



Lyndon B. Johnson National Historical Park

2013 Exotic Plant Monitoring Data Summary



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ON THE COVER

View of the back 40 area at Lyndon B. Johnson NHP. NPS Photo.

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Introduction

This report contains a data summary of results from exotic monitoring conducted by SOPN from 2010 through 2013 at Lyndon B. Johnson National Historical Park (LYJO). Data summaries are used to impart current monitoring data until enough years of data have been collected to facilitate trend analysis. A more detailed synthesis report is scheduled to be produced in 2015.

Exotic Monitoring Results

Exotic plant monitoring followed the protocol Multi-Network Exotic Plant Monitoring Protocol and Standard Operating Procedures (Folts-Zettner et al. 2013). Methodology requires a series of discreet 50-meter blocks along designated vectors chosen for high-probability of introduction. Exotic species detected within each block are assigned densities, and their proximity to the vector itself is divided into various Distance Classes (Figure 1).

Table 1 contains a listing of all the exotic species, along with their species codes and attributes, detected during exotic monitoring at LYJO from 2010 to 2013.

Monitoring occurred May 21, 2013 and included the loop trail in the Johnson City unit (Figure 2). Previous monitoring has always occurred in late May. It should be noted that 2010 was a year of above average precipitation, followed by consecutive years of extreme to severe drought, including 2013. Data summarized in this report compares the results of 2013 monitoring to that of all previous years.

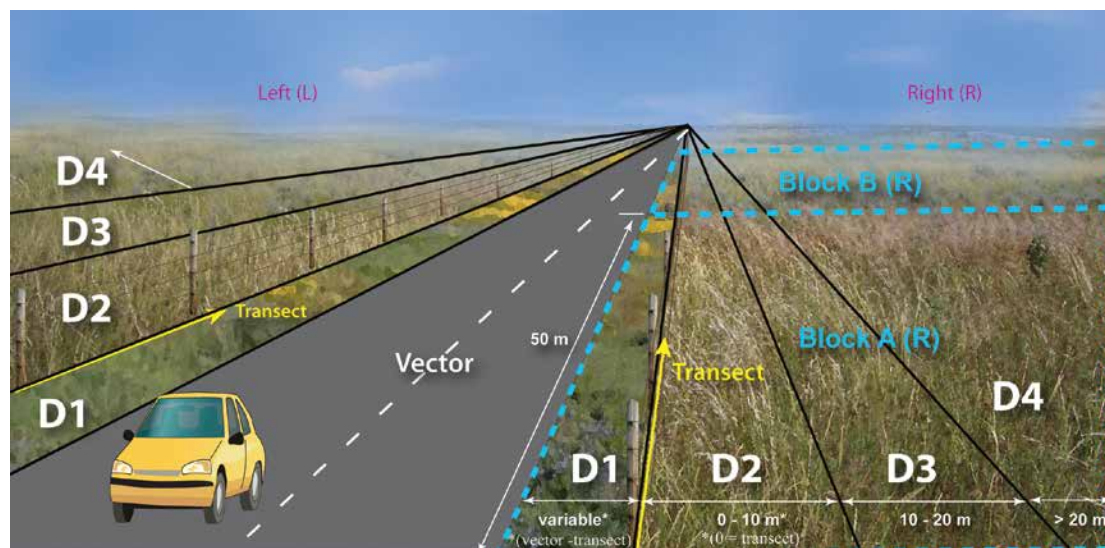


Figure 1. Layout of Vector Blocks and Distance Classes along a vector.

Table 1. List of exotic plant species detected during exotic monitoring in 2010 - 2013 at LYJO.

Species Code	LifeForm	Scientific Name	Common Name	Primary Duration	2010	2011	2012	2013
BOTISC	Grass	<i>Bothriochloa ischaemum</i>	kr bluestem	Perennial	•	•	•	•
BROCAT	Grass	<i>Bromus catharticus</i>	rescue grass	Annual/Perennial			•	•
BROJAP	Grass	<i>Bromus japonicus</i>	Japanese brome	Annual	•	•		•
BROTEC	Grass	<i>Bromus tectorum</i>	cheatgrass	Annual	•		•	
CENMEL	Forb	<i>Centaurea melitensis</i>	malta starthistle	Annual/Biennial	•			•
CONARV	Forb	<i>Convolvulus arvensis</i>	field bindweed	Perennial		•		
CYNDAC	Grass	<i>Cynodon dactylon</i>	Bermudagrass	Perennial		•	•	•
CYPESC	Grass	<i>Cyperus esculentus</i>	yellow nutsedge	Perennial			•	
DICANN	Grass	<i>Dichanthium annulatum</i>	kleberg bluestem	Perennial	•			
ERABAR	Grass	<i>Eragrostis barrelieri</i>	mediterranean lovegrass	Annual				•
GALDIV	Forb	<i>Galium divaricatum</i>	lamarcks bedstraw	Annual	•		•	
LOLARU	Grass	<i>Lolium arundinaceum</i>	tall fescue	Perennial	•			
LOLPER	Grass	<i>Lolium perenne</i>	perennial ryegrass	Annual/Perennial	•	•	•	•
LONJAP	Vine	<i>Lonicera japonica</i>	Japanese honeysuckle	Perennial	•	•	•	•
MARVUL	Forb	<i>Marrubium vulgare</i>	horehound	Perennial				•
MEDLUP	Forb	<i>Medicago lupulina</i>	black medic clover	Annual/Perennial	•	•	•	•
MEDMIN	Forb	<i>Medicago minima</i>	burr medic clover	Annual	•		•	•
PASDIL	Grass	<i>Paspalum dilatatum</i>	dallisgrass	Perennial				•
PASURV	Grass	<i>Paspalum urvillei</i>	vaseygrass	Perennial	•			
POAPRA	Grass	<i>Poa pratensis</i>	Kentucky bluegrass	Perennial			•	
SORHAL	Grass	<i>Sorghum halepense</i>	Johnsongrass	Perennial	•	•	•	•
TAROFF	Forb	<i>Taraxacum officinale</i>	dandelion	Perennial	•		•	•
TORARV	Forb	<i>Torilis arvensis</i>	spreading hedgeparsley	Annual	•		•	•
VICSAT	Vine	<i>Vicia sativa</i>	garden vetch	Annual	•			

Lyndon B. Johnson NHP Exotics Sampling

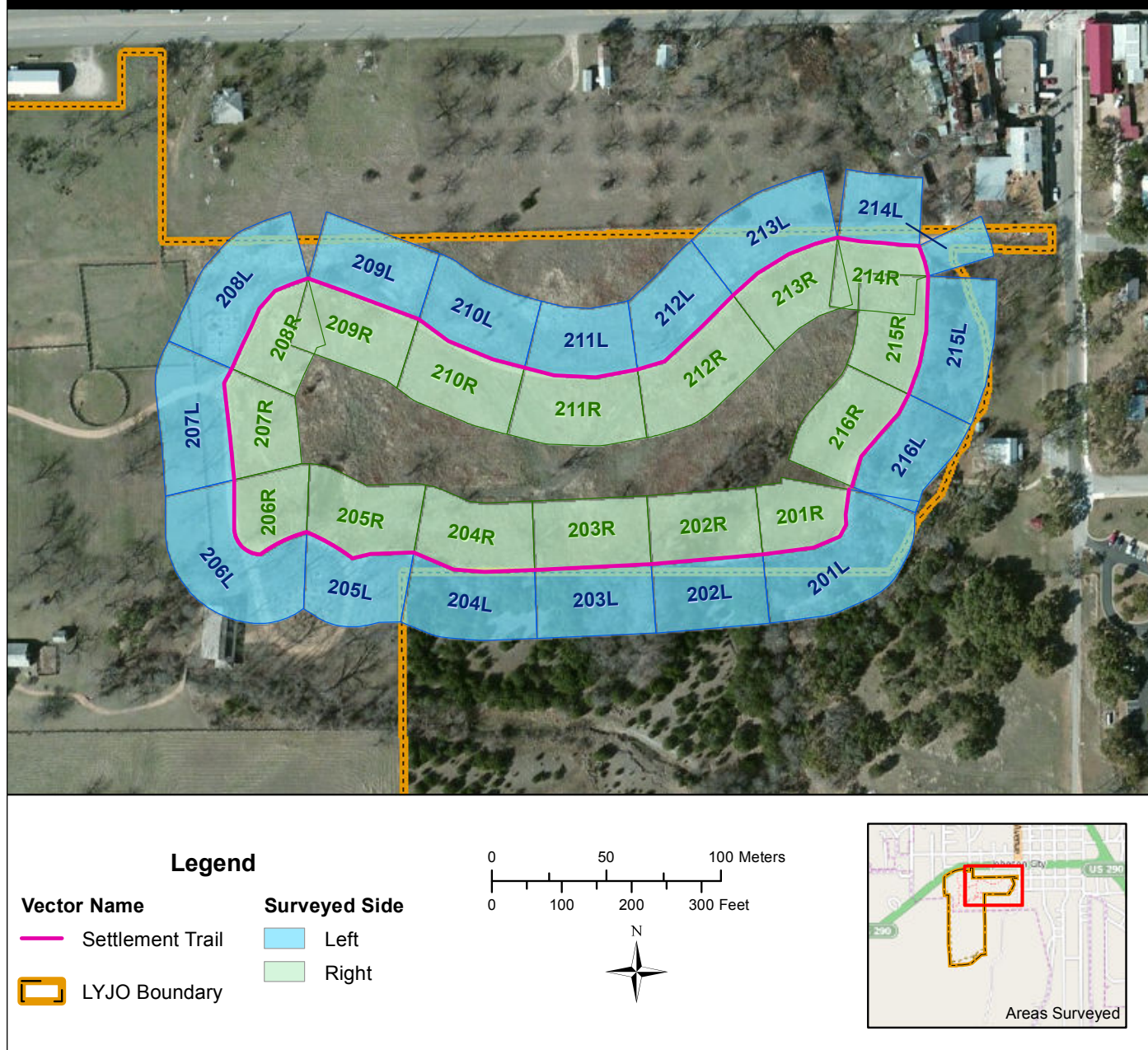


Figure 2. Numbered vector blocks monitored at LYJO from 2010 to 2013.

Table 2 presents all exotic species detected during exotic monitoring in all years as well as the number and percentage of vector blocks (N=32) in which these species were found. The effect of drought is easily seen.

Table 2. Number and percentage comparison of unit detections of exotic species found in repeated monitoring of vector blocks and permanent transects at LYJO.

Scientific Name	Common Name	2010		2011		2012		2013	
		Primary Blocks (N=32)		Primary Blocks (N=32)		Primary Blocks (N=32)		Primary Blocks (N=32)	
		Total	% Blocks	Total	% Blocks	Total	% Blocks	Total	% Blocks
<i>Bothriochloa ischaemum</i>	King Ranch bluestem	14	43.8%	29	90.6%	28	87.5%	30	93.8%
<i>Bromus catharticus</i>	rescuegrass	–	–	–	–	2	6.3%	6	18.8%
<i>Bromus japonicus</i>	Japanese brome	17	53.1%	7	21.9%	–	–	13	40.6%
<i>Bromus tectorum</i>	cheatgrass	5	15.6%	–	–	20	62.5%	–	–
<i>Centaurea melitensis</i>	Maltese star-thistle	5	15.6%	–	–	–	–	2	6.3%
<i>Convolvulus arvensis</i>	field bindweed	–	–	1	3.1%	–	–	–	–
<i>Cynodon dactylon</i>	Bermudagrass	–	–	5	15.6%	20	62.5%	16	50.0%
<i>Cyperus esculentus</i>	yellow nutsedge	–	–	–	–	1	3.1%	–	–
<i>Dichanthium annulatum</i>	Kleberg bluestem	11	34.4%	–	–	–	–	–	–
<i>Eragrostis barrelieri</i>	Mediterranean lovegrass	–	–	–	–	–	–	1	3.1%
<i>Galium divaricatum</i>	Lamarck's bedstraw	9	28.1%	–	–	4	12.5%	–	–
<i>Lolium arundinaceum</i>	tall fescue	9	28.1%	–	–	–	–	–	–
<i>Lolium perenne</i>	perennial ryegrass	17	53.1%	1	3.1%	1	3.1%	3	9.4%
<i>Lonicera japonica</i>	Japanese honeysuckle	5	15.6%	1	3.1%	5	15.6%	3	9.4%
<i>Marrubium vulgare</i>	horehound	–	–	–	–	–	–	1	3.1%
<i>Medicago lupulina</i>	black medic clover	30	93.8%	16	50.0%	23	71.9%	18	56.3%
<i>Medicago minima</i>	burr medic clover	8	25.0%	–	–	5	15.6%	13	40.6%
<i>Paspalum dilatatum</i>	dallisgrass	–	–	–	–	–	–	25	78.1%
<i>Paspalum urvillei</i>	vaseygrass	5	15.6%	–	–	–	–	–	–
<i>Poa pratensis</i>	Kentucky bluegrass	–	–	–	–	2	6.3%	–	–
<i>Sorghum halepense</i>	Johnsongrass	26	81.3%	23	71.9%	26	81.3%	18	56.3%
<i>Taraxacum officinale</i>	common dandelion	22	68.8%	–	–	11	34.4%	11	34.4%
<i>Torilis arvensis</i>	spreading hedgeparsley	22	68.8%	–	–	18	56.3%	14	43.8%
<i>Vicia sativa</i>	garden vetch	5	15.6%	–	–	–	–	–	–

The density of a detection of any given exotic species informs us of the invasion stage of that area. A Density Code of 1 will point to either a new introduction in an area or a lack of suitable resources for that species to establish and spread. Conversely, a Density Code of 4 denotes a matrix of the exotic species that has successfully colonized the site and pushed out all native species. Table 3 is a comparison of the number of blocks containing that density from 2010 to 2013 in two Distance Classes. Distance Class 1 is from immediately along the vector to 2 meters into the landscape or the depth of the mowed verge (whichever is greater). Distance Class 2 is a constant 10 meters into the landscape beginning at the interior edge of Distance Class 1. This minimum depth of 12 meters will give the resource manager an idea of the ability of a given exotic species to invade into the interior of a landscape.

Table 3. A comparison of the number of blocks containing a given density in 2010 through 2013 in two Distance Classes.

Species Code	Scientific Name	Common Name	Density Code	Distance Class 1				Distance Class 2			
				2010	2011	2012	2013	2010	2011	2012	2013
BOTISC	<i>Bothriochloa ischaemum</i>	kr bluestem	1	6	2		5	6	1	2	2
			2	6	26	28	24	2	18	18	
			3	1			1				
BROCAT	<i>Bromus catharticus</i>	rescue grass	1				1			1	2
			2			2	2				3
BROJAP	<i>Bromus japonicus</i>	Japanese brome	1	6	3		2	3	1		3
			2	3	4		10	7	1		7
			3	3		2		2			
BROTEC	<i>Bromus tectorum</i>	cheatgrass	1	1		2		3		2	
			2	3						16	
CENMEL	<i>Centaurea melitensis</i>	malta starthistle	1	1				1			2
			2		1			1			
			3		5			2			
CONARV	<i>Convolvulus arvensis</i>	field bindweed	1		1		1		1		
CYNDAC	<i>Cynodon dactylon</i>	Bermudagrass	1	3							
			2	3					1	2	2
CYPESC	<i>Cyperus esculentus</i>	yellow nutsedge	1							1	
DICANN	<i>Dichanthium annulatum</i>	kleberg bluestem	1				1	2			
			2	1		1		6			
			3				2	1			
ERABAR	<i>Eragrostis barrelieri</i>	mediterranean lovegrass	1				5				
GALDIV	<i>Galium divaricatum</i>	lamarcks bedstraw	1	1				7		1	
			2					1		3	
LOLARU	<i>Lolium arundinaceum</i>	tall fescue	1	2	1		1	2			
			2	1				5			
			3					1			
LOLPER	<i>Lolium perenne</i>	perennial ryegrass	1	1			1	4			1
			2	8	1			9		1	
			3					1			

Density Code Key: 1 = one to five individual plants; 2 = scattered patches; 3 = evenly distributed patches; 4 = matrix; X = non-detect.

Table 6. A comparison of the number of blocks containing a given density in 2010 and 2013 in two Distance Classes (continued).

Species Code	Scientific Name	Common Name	Density Code	Distance Class 1				Distance Class 2			
				2010	2011	2012	2013	2010	2011	2012	2013
LONJAP	<i>Lonicera japonica</i>	Japanese honeysuckle	1	17	15	23	18	4	1	2	
			2	4						3	3
MEDLUP	<i>Medicago lupulina</i>	black medic clover	1	1		1	1	1			
			2	6		4	11	6	1	5	1
			3	1							
MEDMIN	<i>Medicago minima</i>	burr medic clover	1				5				1
			2				19	4		1	
			3	5							
PASDIL	<i>Paspalum dilatatum</i>	dallisgrass	1			2					2
			2	6	1	2	4				4
PASURV	<i>Paspalum urvillei</i>	vaseygrass	1	3	10	1	3	1			
POAPRA	<i>Poa pratensis</i>	Kentucky bluegrass	2	11		1	9			2	
SORHAL	<i>Sorghum halepense</i>	Johnsongrass	1			9	1	8	2	5	8
			2	10		1	3	9	16	20	7
			3					4	1		
TAROFF	<i>Taraxacum officinale</i>	dandelion	1	2		1	4	12		3	2
			2	5				2			
TORARV	<i>Torilis arvensis</i>	spreading hedgeparsley	1					9		4	4
			2					8		13	6
			3					1			
VICSAT	<i>Vicia sativa</i>	garden vetch	1					1			

Density Code Key: 1 = one to five individual plants; 2 = scattered patches; 3 = evenly distributed patches; 4 = matrix; X = non-detect.

Table 4 is included for the benefit of those resource managers with an active exotic management program. This table lists the specific species found in each vector block and the Density Code of that species in each Distance Class. The comparison of current detections to those from previous years underscores the current drought effect – the more herbaceous species have disappeared, while the drought tolerant exotics (ie: KR bluestem, rescuegrass) appear and have increased.

Table 4. Comparison of 2010 through. 2013 detections for each individual Vector Block, detailing the given Density Code for each Distance Class.

Block	Scientific Name	Common Name	2010				2011				2012				2013			
			D1	D2	D3	D4	D1	D2	D3	D4	D1	D2	D3	D4	D1	D2	D3	D4
201L	<i>Bothriochloa ischaemum</i>	kr bluestem	2	X	X	X	2	0	X	X	2	2	X	X	2	0	X	X
	<i>Bromus japonicus</i>	Japanese brome	1	X	X	X												
	<i>Lonicera japonica</i>	Japanese honeysuckle									0	1	X	X				
	<i>Medicago lupulina</i>	black medic clover	2	X	X	X	2	0	X	X	2	0	X	X	2	0	X	X
	<i>Paspalum dilatatum</i>	dallisgrass													1	0	X	X
	<i>Taraxacum officinale</i>	dandelion	1	X	X	X									1	0	X	X
	<i>Torilis arvensis</i>	spreading hedgeparsley	1	X	X	X					0	2	X	X	0	2	X	X
	<i>Vicia sativa</i>	garden vetch	1	X	X	X												
201R	<i>Bothriochloa ischaemum</i>	kr bluestem	1	1	1	0	2	2	0	X	2	2	0	0	2	0	0	0
	<i>Bromus tectorum</i>	cheatgrass									0	0	0	2				
	<i>Cynodon dactylon</i>	Bermudagrass									2	0	0	0	2	0	0	0
	<i>Galium divaricatum</i>	lamarcks bedstraw									0	1	0	0				
	<i>Medicago lupulina</i>	black medic clover	3	2	0	0	2	0	0	X	2	0	0	0	2	0	0	0
	<i>Paspalum dilatatum</i>	dallisgrass													2	0	0	0
	<i>Sorghum halepense</i>	Johnsongrass	0	1	1	2	0	2	2	X	0	0	0	2				
	<i>Torilis arvensis</i>	spreading hedgeparsley									0	2	0	0				
202L	<i>Bothriochloa ischaemum</i>	kr bluestem	1	0	X	X	2	0	X	X					2	0	X	X
	<i>Bromus japonicus</i>	Japanese brome	1	0	X	X												
	<i>Bromus tectorum</i>	cheatgrass	1	0	X	X					1	0	X	X				
	<i>Galium divaricatum</i>	lamarcks bedstraw	1	0	X	X												
	<i>Lonicera japonica</i>	Japanese honeysuckle									0	2	X	X	2	2	X	X
	<i>Medicago lupulina</i>	black medic clover	3	0	X	X	2	0	X	X	2	2	X	X	2	0	X	X
	<i>Paspalum dilatatum</i>	dallisgrass													2	2	X	X
	<i>Paspalum urvillei</i>	vaseygrass	1	0	X	X												
	<i>Poa pratensis</i>	Kentucky bluegrass									2	2	X	X				
	<i>Taraxacum officinale</i>	dandelion	1	0	X	X					1	0	X	X	2	0	X	X
	<i>Torilis arvensis</i>	spreading hedgeparsley									2	0	X	X	2	2	X	X
	<i>Vicia sativa</i>	garden vetch	1	0	X	X												
202R	<i>Bothriochloa ischaemum</i>	kr bluestem	2	2	1	0	2	2	0	X	2	2	0	0	2	1	0	0
	<i>Bromus japonicus</i>	Japanese brome	1	2	0	0	1	0	0	X					2	2	0	0
	<i>Bromus tectorum</i>	cheatgrass									0	2	2	0				

Distance Class Key: D1 = edge of vector to 2 meters into the landscape (or inner edge of mow line); D2 = interior edge of D1 to 10 meters; D3 & D4 = each additional 10 meters into the landscape.

Density Code Key: 0 = no plants; 1 = 1–5 plants; 2 = scattered patches; 3 = even distributed patches; 4 = matrix; X = non-detect

Table 4. Comparison of 2010 through 2013 detections for each individual Vector Block, detailing the given Density Code for each Distance Class (continued).

Block	Scientific Name	Common Name	2010				2011				2012				2013			
			D1	D2	D3	D4	D1	D2	D3	D4	D1	D2	D3	D4	D1	D2	D3	D4
202R (cont.)	<i>Cynodon dactylon</i>	Bermudagrass									2	0	0	0				
	<i>Cyperus esculentus</i>	yellow nutsedge									0	1	0	0				
	<i>Galium divaricatum</i>	lamarcks bedstraw	0	1	1	0					1	2	0	0				
	<i>Lolium arundinaceum</i>	tall fescue	1	0	0	0												
	<i>Lolium perenne</i>	perennial ryegrass	1	2	0	0												
	<i>Lonicera japonica</i>	Japanese honeysuckle					0	1	0	X	0	2	0	0				
	<i>Medicago lupulina</i>	black medic clover	3	2	0	0	2	0	0	X	2	0	0	0	2	0	0	0
	<i>Paspalum dilatatum</i>	dallisgrass													2	0	0	0
	<i>Sorghum halepense</i>	Johnsongrass	0	1	1	2	0	2	2	X	0	2	2	2				
	<i>Taraxacum officinale</i>	dandelion													1	0	0	0
	<i>Torilis arvensis</i>	spreading hedgeparsley	1	1	0	0					0	2	0	0				
203L	<i>Bothriochloa ischaemum</i>	kr bluestem	1	1	X	X	2	0	X	X	2	2	X	X	2	0	X	X
	<i>Bromus japonicus</i>	Japanese brome													2	0	X	X
	<i>Bromus tectorum</i>	cheatgrass	1	1	X	X					0	2	X	X				
	<i>Cynodon dactylon</i>	Bermudagrass									2	0	X	X				
	<i>Lolium perenne</i>	perennial ryegrass	1	0	X	X												
	<i>Lonicera japonica</i>	Japanese honeysuckle	2	1	X	X					0	2	X	X	0	2	X	X
	<i>Medicago lupulina</i>	black medic clover	2	2	X	X	2	0	X	X	2	0	X	X	2	0	X	X
	<i>Paspalum dilatatum</i>	dallisgrass													2	2	X	X
	<i>Paspalum urvillei</i>	vaseygrass	1	1	X	X												
	<i>Poa pratensis</i>	Kentucky bluegrass									2	2	X	X				
	<i>Taraxacum officinale</i>	dandelion	1	0	X	X									1	0	X	X
	<i>Torilis arvensis</i>	spreading hedgeparsley	1	0	X	X					0	2	X	X	2	2	X	X
	<i>Vicia sativa</i>	garden vetch	1	0	X	X												
203R	<i>Bothriochloa ischaemum</i>	kr bluestem	1	1	0	0	0	2	2	0	2	2	0	0	2	0	0	0
	<i>Bromus japonicus</i>	Japanese brome	0	3	0	0									1	1	0	0
	<i>Bromus tectorum</i>	cheatgrass									0	2	2	0				
	<i>Cynodon dactylon</i>	Bermudagrass									2	0	0	0	1	0	0	0
	<i>Galium divaricatum</i>	lamarcks bedstraw	0	1	1	0												
	<i>Lolium arundinaceum</i>	tall fescue	2	2	0	0												
	<i>Lolium perenne</i>	perennial ryegrass	1	1	0	0												
	<i>Medicago lupulina</i>	black medic clover	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0
	<i>Paspalum dilatatum</i>	dallisgrass													2	0	0	0
	<i>Sorghum halepense</i>	Johnsongrass	0	1	1	0	0	2	2	0	0	2	2	2				
	<i>Taraxacum officinale</i>	dandelion									2	1	0	0	1	0	0	0
	<i>Torilis arvensis</i>	spreading hedgeparsley	1	2	0	0					0	2	0	0	1	1	0	0
204L	<i>Bothriochloa ischaemum</i>	kr bluestem	1	1	X	X	2	0	X	X	2	2	X	X	1	0	X	X
	<i>Bromus japonicus</i>	Japanese brome	1	1	X	X	2	0	X	X					2	0	X	X
	<i>Bromus tectorum</i>	cheatgrass	2	1	X	X					1	2	X	X				
	<i>Cynodon dactylon</i>	Bermudagrass									2	0	X	X	2	0	X	X

Distance Class Key: D1 = edge of vector to 2 meters into the landscape (or inner edge of mow line); D2 = interior edge of D1 to 10 meters; D3 & D4 = each additional 10 meters into the landscape.

Density Code Key: 0 = no plants; 1 = 1–5 plants; 2 = scattered patches; 3 = even distributed patches; 4 = matrix; X = non-detect

Table 4. Comparison of 2010 through 2013 detections for each individual Vector Block, detailing the given Density Code for each Distance Class (continued).

Block	Scientific Name	Common Name	2010				2011				2012				2013			
			D1	D2	D3	D4	D1	D2	D3	D4	D1	D2	D3	D4	D1	D2	D3	D4
204L (cont.)	<i>Lonicera japonica</i>	Japanese honeysuckle	1	1	X	X					0	1	X	X				
	<i>Medicago lupulina</i>	black medic clover	2	0	X	X					2	0	X	X	2	0	X	X
	<i>Sorghum halepense</i>	Johnsongrass	1	0	X	X	2	0	X	X	1	2	X	X	2	0	X	X
	<i>Taraxacum officinale</i>	dandelion	1	0	X	X									1	0	X	X
	<i>Torilis arvensis</i>	spreading hedgeparsley	1	0	X	X					0	2	X	X	2	0	X	X
204R	<i>Bothriochloa ischaemum</i>	kr bluestem	3	1	0	0	2	0	0	0	2	0	0	0	2	0	0	0
	<i>Bromus japonicus</i>	Japanese brome	0	2	0	0	1	0	0	0					2	2	0	0
	<i>Bromus tectorum</i>	cheatgrass									0	2	2	0				
	<i>Cynodon dactylon</i>	Bermudagrass					1	0	0	0	2	0	0	0	2	0	0	0
	<i>Galium divaricatum</i>	lamarcks bedstraw	0	1	0	0					0	2	0	0				
	<i>Lolium arundinaceum</i>	tall fescue	0	2	0	2												
	<i>Lolium perenne</i>	perennial ryegrass	0	2	0	0												
	<i>Medicago lupulina</i>	black medic clover	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0
	<i>Paspalum dilatatum</i>	dallisgrass													2	0	0	0
	<i>Sorghum halepense</i>	Johnsongrass	0	3	2	1	0	2	2	0	0	2	2	2	1	1	0	0
	<i>Torilis arvensis</i>	spreading hedgeparsley	0	2	0	0					0	2	0	0	0	2	0	0
205L	<i>Bothriochloa ischaemum</i>	kr bluestem					2	2	0	0	2	2	2	0	1	0	0	0
	<i>Bromus catharticus</i>	rescue grass									2	0	0	0	2	0	0	0
	<i>Bromus japonicus</i>	Japanese brome	0	2	0	0	2	2	0	0								
	<i>Centaurea melitensis</i>	malta starthistle	1	0	0	0												
	<i>Cynodon dactylon</i>	Bermudagrass									2	0	0	0	2	2	0	0
	<i>Lolium perenne</i>	perennial ryegrass	1	2	0	0												
	<i>Medicago lupulina</i>	black medic clover	2	0	2	0	2	2	0	0	2	2	0	0	2	0	0	0
	<i>Paspalum dilatatum</i>	dallisgrass													2	1	0	0
	<i>Sorghum halepense</i>	Johnsongrass	0	2	3	0					0	2	1	0	0	0	2	0
	<i>Taraxacum officinale</i>	dandelion	1	0	1	0									1	1	0	0
	<i>Torilis arvensis</i>	spreading hedgeparsley	1	1	0	0					0	2	0	0				
205R	<i>Bothriochloa ischaemum</i>	kr bluestem	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0
	<i>Bromus catharticus</i>	rescue grass													1	2	0	0
	<i>Bromus japonicus</i>	Japanese brome	0	2	0	0	2	0	0	0					2	2	0	0
	<i>Bromus tectorum</i>	cheatgrass									0	2	2	0				
	<i>Cynodon dactylon</i>	Bermudagrass					2	0	0	0	2	2	0	0	2	0	0	0
	<i>Galium divaricatum</i>	lamarcks bedstraw	0	1	1	0					0	2	0	0				
	<i>Lolium arundinaceum</i>	tall fescue	0	1	0	0												
	<i>Lolium perenne</i>	perennial ryegrass	0	3	1	0												
	<i>Medicago lupulina</i>	black medic clover									2	0	0	0				
	<i>Paspalum dilatatum</i>	dallisgrass													2	0	0	0
	<i>Sorghum halepense</i>	Johnsongrass	2	3	2	0	0	3	2	0	0	2	2	2	2	2	0	0
	<i>Taraxacum officinale</i>	dandelion	1	0	0	0					2	0	0	0	1	0	0	0
	<i>Torilis arvensis</i>	spreading hedgeparsley	0	1	0	0					0	2	0	0	0	2	0	0

Distance Class Key: D1 = edge of vector to 2 meters into the landscape (or inner edge of mow line); D2 = interior edge of D1 to 10 meters; D3 & D4 = each additional 10 meters into the landscape.

Density Code Key: 0 = no plants; 1 = 1–5 plants; 2 = scattered patches; 3 = even distributed patches; 4 = matrix; X = non-detect

Table 4. Comparison of 2010 through 2013 detections for each individual Vector Block, detailing the given Density Code for each Distance Class (continued).

Block	Scientific Name	Common Name	2010				2011				2012				2013			
			D1	D2	D3	D4	D1	D2	D3	D4	D1	D2	D3	D4	D1	D2	D3	D4
206L	<i>Bothriochloa ischaemum</i>	kr bluestem					2	2	2	0	2	2	0	0	1	1	0	0
	<i>Bromus catharticus</i>	rescue grass									2	1	0	0				
	<i>Bromus japonicus</i>	Japanese brome	0	1	0	0												
	<i>Cynodon dactylon</i>	Bermudagrass					2	2	0	0	2	2	2	0	2	2	0	0
	<i>Lolium arundinaceum</i>	tall fescue	0	1	0	0												
	<i>Lolium perenne</i>	perennial ryegrass	1	2	1	0												
	<i>Lonicera japonica</i>	Japanese honeysuckle	0	1	0	0												
	<i>Medicago lupulina</i>	black medic clover	2	2	2	0					2	2	0	0	2	0	0	0
	<i>Paspalum dilatatum</i>	dallisgrass													2	2	0	0
	<i>Sorghum halepense</i>	Johnsongrass	1	1	0	0	2	2	2	0	0	2	0	0				
	<i>Taraxacum officinale</i>	dandelion	0	1	1	0									1	0	0	0
	<i>Vicia sativa</i>	garden vetch	1	1	0	0												
206R	<i>Bothriochloa ischaemum</i>	kr bluestem	X	1	0	0	2	1	0	0	2	2	0	0	2	0	0	0
	<i>Bromus catharticus</i>	rescue grass													0	2	0	0
	<i>Bromus japonicus</i>	Japanese brome	X	3	0	0	1	1	0	0					2	2	0	0
	<i>Bromus tectorum</i>	cheatgrass									0	2	2	0				
	<i>Cynodon dactylon</i>	Bermudagrass					2	0	0	0								
	<i>Lolium arundinaceum</i>	tall fescue	0	2	0	0												
	<i>Lolium perenne</i>	perennial ryegrass	2	0	0	0												
	<i>Medicago lupulina</i>	black medic clover	1	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0
	<i>Paspalum dilatatum</i>	dallisgrass													2	1	0	0
	<i>Sorghum halepense</i>	Johnsongrass	X	2	2	0	1	2	3	0	0	2	2	2	1	2	0	0
	<i>Taraxacum officinale</i>	dandelion									2	0	0	0				
	<i>Torilis arvensis</i>	spreading hedgeparsley	0	1	0	0					0	2	0	0	0	1	0	0
207L	<i>Bothriochloa ischaemum</i>	kr bluestem									2	2	0	0	2	0	0	0
	<i>Bromus japonicus</i>	Japanese brome	2	0	0	0												
	<i>Centaurea melitensis</i>	malta starthistle	0	1	0	0									0	1	0	0
	<i>Cynodon dactylon</i>	Bermudagrass									2	0	0	0	2	0	0	0
	<i>Marrubium vulgare</i>	horehound													0	0	0	1
	<i>Medicago lupulina</i>	black medic clover	2	2	0	0									2	2	0	0
	<i>Medicago minima</i>	burr medic clover													0	1	0	0
	<i>Paspalum dilatatum</i>	dallisgrass													2	0	0	0
	<i>Paspalum urvillei</i>	vaseygrass	1	0	0	0												
	<i>Sorghum halepense</i>	Johnsongrass	0	0	1	0					0	2	0	0	0	0	1	0
	<i>Taraxacum officinale</i>	dandelion	1	0	1	0												
207R	<i>Bothriochloa ischaemum</i>	kr bluestem	2	0	0	0					2	2	2	0				
	<i>Bromus japonicus</i>	Japanese brome													2	0	0	0
	<i>Cynodon dactylon</i>	Bermudagrass									2	0	0	0	2	0	0	0
	<i>Galium divaricatum</i>	lamarcks bedstraw	0	2	0	0												

Distance Class Key: D1 = edge of vector to 2 meters into the landscape (or inner edge of mow line); D2 = interior edge of D1 to 10 meters; D3 & D4 = each additional 10 meters into the landscape.

Density Code Key: 0 = no plants; 1 = 1–5 plants; 2 = scattered patches; 3 = even distributed patches; 4 = matrix; X = non-detect

Table 4. Comparison of 2010 through 2013 detections for each individual Vector Block, detailing the given Density Code for each Distance Class (continued).

Block	Scientific Name	Common Name	2010				2011				2012				2013			
			D1	D2	D3	D4	D1	D2	D3	D4	D1	D2	D3	D4	D1	D2	D3	D4
207R (cont.)	<i>Lolium perenne</i>	perennial ryegrass	0	2	2	0												
	<i>Medicago lupulina</i>	black medic clover	1	0	0	0									2	0	0	0
	<i>Paspalum dilatatum</i>	dallisgrass													2	0	0	0
	<i>Sorghum halepense</i>	Johnsongrass	0	2	2	0					0	2	2	0	1	2	0	0
	<i>Taraxacum officinale</i>	dandelion	0	1	0	0					0	1	0	0				
	<i>Torilis arvensis</i>	spreading hedgeparsley	0	2	0	0					0	1	0	0				
208L	<i>Bothriochloa ischaemum</i>	kr bluestem					2	2	2	0	2	2	0	0	2	0	0	0
	<i>Bromus japonicus</i>	Japanese brome	1	2	0	0												
	<i>Bromus tectorum</i>	cheatgrass	0	1	0	0												
	<i>Centaurea melitensis</i>	malta starthistle	1	3	3	2												
	<i>Cynodon dactylon</i>	Bermudagrass													2	0	0	0
	<i>Dichanthium annulatum</i>	kleberg bluestem	0	2	2	0												
	<i>Lolium perenne</i>	perennial ryegrass	1	1	0	0												
	<i>Medicago lupulina</i>	black medic clover									2	0	0	0				
	<i>Paspalum dilatatum</i>	dallisgrass													1	0	0	0
	<i>Sorghum halepense</i>	Johnsongrass	0	1	2	0	2	2	2	0	0	2	2	0	2	2	2	0
	<i>Taraxacum officinale</i>	dandelion	1	1	0	0					2	0	0	0				
	<i>Torilis arvensis</i>	spreading hedgeparsley	1	2	0	0												
	<i>Vicia sativa</i>	garden vetch	1	0	0	0												
208R	<i>Bothriochloa ischaemum</i>	kr bluestem	2	2	0	0	2	2	0	0	2	2	0	0	3	0	0	0
	<i>Bromus catharticus</i>	rescue grass													0	1	0	0
	<i>Bromus tectorum</i>	cheatgrass									0	2	0	0				
	<i>Centaurea melitensis</i>	malta starthistle													0	1	0	0
	<i>Convolvulus arvensis</i>	field bindweed					1	1	0	0								
	<i>Cynodon dactylon</i>	Bermudagrass					2	0	0	0	2	0	0	0	2	0	0	0
	<i>Dichanthium annulatum</i>	kleberg bluestem	0	1	0	0												
	<i>Galium divaricatum</i>	lamarcks bedstraw	0	1	1	0												
	<i>Lolium perenne</i>	perennial ryegrass	0	2	2	2									1	0	0	0
	<i>Medicago lupulina</i>	black medic clover	1	0	0	0	2	0	0	0	2	0	0	0				
	<i>Medicago minima</i>	burr medic clover													2	0	0	0
	<i>Sorghum halepense</i>	Johnsongrass	0	2	1	0	0	2	0	0	0	2	0	0	0	2	0	0
	<i>Taraxacum officinale</i>	dandelion	0	1	0	0					2	0	0	0				
	<i>Torilis arvensis</i>	spreading hedgeparsley	0	1	1	0					0	2	0	0				
209L	<i>Bothriochloa ischaemum</i>	kr bluestem													1	0	0	0
	<i>Bromus japonicus</i>	Japanese brome	2	0	0	0												
	<i>Bromus tectorum</i>	cheatgrass	1	0	0	0					0	2	0	0				
	<i>Centaurea melitensis</i>	malta starthistle	2	3	0	0												
	<i>Dichanthium annulatum</i>	kleberg bluestem	1	3	3	3												

Distance Class Key: D1 = edge of vector to 2 meters into the landscape (or inner edge of mow line); D2 = interior edge of D1 to 10 meters; D3 & D4 = each additional 10 meters into the landscape.

Density Code Key: 0 = no plants; 1 = 1–5 plants; 2 = scattered patches; 3 = even distributed patches; 4 = matrix; X = non-detect

Table 4. Comparison of 2010 through 2013 detections for each individual Vector Block, detailing the given Density Code for each Distance Class (continued).

Block	Scientific Name	Common Name	2010				2011				2012				2013			
			D1	D2	D3	D4	D1	D2	D3	D4	D1	D2	D3	D4	D1	D2	D3	D4
209L (cont.)	<i>Lonicera japonica</i>	Japanese honeysuckle	0	0	1	0												
	<i>Medicago lupulina</i>	black medic clover	1	0	0	0												
	<i>Medicago minima</i>	burr medic clover													2	0	0	0
	<i>Paspalum dilatatum</i>	dallisgrass													2	0	0	0
	<i>Paspalum urvillei</i>	vaseygrass	1	0	0	0												
	<i>Sorghum halepense</i>	Johnsongrass	1	2	2	2	2	2	0	0	0	2	1	0				
	<i>Taraxacum officinale</i>	dandelion	1	0	0	0					2	0	0	0	1	0	0	0
209R	<i>Bothriochloa ischaemum</i>	kr bluestem					1	2	0	0	2	2	0	0	2	0	0	0
	<i>Bromus japonicus</i>	Japanese brome					2	0	0	0					1	1	0	0
	<i>Cynodon dactylon</i>	Bermudagrass									2	0	0	0	2	0	0	0
	<i>Dichanthium annulatum</i>	kleberg bluestem	0	1	0	0												
	<i>Lolium perenne</i>	perennial ryegrass	0	2	0	2	2	0	0	0	1	2	0	0	2	1	0	0
	<i>Medicago lupulina</i>	black medic clover	2	1	0	0					2	0	0	0	2	0	0	0
	<i>Paspalum dilatatum</i>	dallisgrass													2	0	0	0
	<i>Taraxacum officinale</i>	dandelion	0	1	0	0									0	1	0	0
	<i>Torilis arvensis</i>	spreading hedgeparsley	0	1	1	0					0	1	0	0	0	1	0	0
210L	<i>Bothriochloa ischaemum</i>	kr bluestem					2	0	0	0	2	0	0	0	2	0	0	0
	<i>Bromus japonicus</i>	Japanese brome	2	2	0	0												
	<i>Dichanthium annulatum</i>	kleberg bluestem	1	0	0	0												
	<i>Lolium arundinaceum</i>	tall fescue	2	2	0	0												
	<i>Medicago lupulina</i>	black medic clover	2	2	0	0					2	0	0	0				
	<i>Medicago minima</i>	burr medic clover													2	0	0	0
	<i>Paspalum dilatatum</i>	dallisgrass													1	0	0	0
	<i>Sorghum halepense</i>	Johnsongrass	1	1	2	2	2	0	0	0	2	1	0	0	0	1	0	0
	<i>Taraxacum officinale</i>	dandelion	0	1	1	0					2	0	0	0				
	<i>Torilis arvensis</i>	spreading hedgeparsley	1	2	2	0												
210R	<i>Bothriochloa ischaemum</i>	kr bluestem					2	2	0	0	2	0	0	0	2	0	0	0
	<i>Cynodon dactylon</i>	Bermudagrass									2	0	0	0	2	0	0	0
	<i>Dichanthium annulatum</i>	kleberg bluestem	2	0	0	0												
	<i>Galium divaricatum</i>	lamarcks bedstraw	0	1	0	0												
	<i>Lolium perenne</i>	perennial ryegrass	0	2	0	0												
	<i>Medicago lupulina</i>	black medic clover	2	0	0	0	1	0	0	0	2	0	0	0	2	0	0	0
	<i>Paspalum dilatatum</i>	dallisgrass													2	0	0	0
	<i>Sorghum halepense</i>	Johnsongrass	0	1	0	0	0	2	2	3	0	1	0	0	0	1	0	0
	<i>Taraxacum officinale</i>	dandelion	1	2	1	0												
	<i>Torilis arvensis</i>	spreading hedgeparsley	0	1	1	0												
211L	<i>Bothriochloa ischaemum</i>	kr bluestem					2	2	0	0					2	0	0	0

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Table 4. Comparison of 2010 through 2013 detections for each individual Vector Block, detailing the given Density Code for each Distance Class (continued).

Block	Scientific Name	Common Name	2010				2011				2012				2013			
			D1	D2	D3	D4	D1	D2	D3	D4	D1	D2	D3	D4	D1	D2	D3	D4
211L (cont.)	<i>Centaurea melitensis</i>	malta starthistle	1	2	0	0												
	<i>Medicago lupulina</i>	black medic clover	2	0	0	0												
	<i>Medicago minima</i>	burr medic clover													2	0	0	0
	<i>Paspalum dilatatum</i>	dallisgrass													2	0	0	0
	<i>Sorghum halepense</i>	Johnsongrass	1	2	3	2	2	2	2	0	0	2	0	0	0	2	0	0
	<i>Taraxacum officinale</i>	dandelion	1	1	0	0					2	0	0	0				
211R	<i>Bothriochloa ischaemum</i>	kr bluestem					2	2	0	0	2	0	0	0	2	0	0	0
	<i>Cynodon dactylon</i>	Bermudagrass													2	0	0	0
	<i>Medicago lupulina</i>	black medic clover	1	0	0	0	2	0	0	0								
	<i>Sorghum halepense</i>	Johnsongrass	0	0	0	2	0	1	2	3	0	1	1	2	0	1	0	1
	<i>Taraxacum officinale</i>	dandelion	0	2	0	0												
212L	<i>Bothriochloa ischaemum</i>	kr bluestem					2	0	0	0	2	2	2	0	2	0	0	0
	<i>Bromus tectorum</i>	cheatgrass									0	1	0	0				
	<i>Lolium arundinaceum</i>	tall fescue	2	3	3	2												
	<i>Medicago lupulina</i>	black medic clover	0	0	0	0												
	<i>Medicago minima</i>	burr medic clover													2	0	0	0
	<i>Paspalum dilatatum</i>	dallisgrass													0	2	0	0
	<i>Sorghum halepense</i>	Johnsongrass	2	3	3	2	2	2	2	0	0	2	0	0				
	<i>Taraxacum officinale</i>	dandelion									2	1	0	0				
	<i>Torilis arvensis</i>	spreading hedgeparsley	0	0	0	0												
212R	<i>Bothriochloa ischaemum</i>	kr bluestem					2	2	0	0	2	2	0	0	2	0	0	0
	<i>Bromus japonicus</i>	Japanese brome													0	1	0	0
	<i>Bromus tectorum</i>	cheatgrass									0	2	0	0				
	<i>Cynodon dactylon</i>	Bermudagrass									2	0	0	0				
	<i>Dichanthium annulatum</i>	kleberg bluestem	0	2	0	0												
	<i>Eragrostis barrelieri</i>	mediterranean lovegrass													1	0	0	0
	<i>Medicago lupulina</i>	black medic clover	2	0	0	0												
	<i>Medicago minima</i>	burr medic clover	2	0	0	0					2	0	0	0				
	<i>Sorghum halepense</i>	Johnsongrass	0	1	0	2	0	1	2	2	0	2	2	2	0	1	1	0
	<i>Taraxacum officinale</i>	dandelion	0	1	0	0												
	<i>Torilis arvensis</i>	spreading hedgeparsley	0	1	0	0												
213L	<i>Bothriochloa ischaemum</i>	kr bluestem					2	2	0	0	2	2	2	0	2	0	0	0
	<i>Bromus tectorum</i>	cheatgrass									2	2	0	0				
	<i>Cynodon dactylon</i>	Bermudagrass									2	0	0	0	2	0	0	0
	<i>Dichanthium annulatum</i>	kleberg bluestem	0	2	3	2												
	<i>Lolium perenne</i>	perennial ryegrass	0	2	2	0												
	<i>Medicago lupulina</i>	black medic clover	1	0	0	0												

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Density Code Key: 0 = no plants; 1 = 1–5 plants; 2 = scattered patches; 3 = even distributed patches; 4 = matrix; X = non-detect

Table 4. Comparison of 2010 through 2013 detections for each individual Vector Block, detailing the given Density Code for each Distance Class (continued).

Block	Scientific Name	Common Name	2010				2011				2012				2013			
			D1	D2	D3	D4	D1	D2	D3	D4	D1	D2	D3	D4	D1	D2	D3	D4
213L (cont.)	<i>Medicago minima</i>	burr medic clover									1	0	0	0	2	0	0	0
	<i>Sorghum halepense</i>	Johnsongrass	0	0	2	2					0	1	0	0				
	<i>Taraxacum officinale</i>	dandelion	0	1	1	0												
	<i>Torilis arvensis</i>	spreading hedgeparsley	2	3	3	0									0	2	0	0
213R	<i>Bothriochloa ischaemum</i>	kr bluestem					2	2	0	0	2	0	0	0	2	0	0	0
	<i>Bromus japonicus</i>	Japanese brome													2	2	0	0
	<i>Bromus tectorum</i>	cheatgrass									0	2	0	0				
	<i>Cynodon dactylon</i>	Bermudagrass									2	0	0	0				
	<i>Galium divaricatum</i>	lamarcks bedstraw	0	1	0	0												
	<i>Lolium perenne</i>	perennial ryegrass	1	0	0	0												
	<i>Medicago lupulina</i>	black medic clover	1	0	0	0					2	0	0	0				
	<i>Medicago minima</i>	burr medic clover	2	2	0	0					2	2	0	0	2	0	0	0
	<i>Paspalum dilatatum</i>	dallisgrass													1	0	0	0
	<i>Sorghum halepense</i>	Johnsongrass	0	2	0	0					0	2	0	0	1	1	0	0
	<i>Taraxacum officinale</i>	dandelion	0	1	0	0												
	<i>Torilis arvensis</i>	spreading hedgeparsley	1	2	0	0												
214L	<i>Bothriochloa ischaemum</i>	kr bluestem					2	2	0	0	2	1	0	0	2	0	0	0
	<i>Bromus catharticus</i>	rescue grass													2	2	0	0
	<i>Bromus tectorum</i>	cheatgrass									2	2	0	0				
	<i>Dichanthium annulatum</i>	kleberg bluestem	2	2	0	0												
	<i>Lolium arundinaceum</i>	tall fescue	0	2	0	0												
	<i>Lolium perenne</i>	perennial ryegrass													1	0	0	0
	<i>Lonicera japonica</i>	Japanese honeysuckle	0	1	1	0									0	2	0	0
	<i>Medicago minima</i>	burr medic clover	1	0	0	0									2	0	0	0
	<i>Paspalum dilatatum</i>	dallisgrass													2	0	0	0
	<i>Sorghum halepense</i>	Johnsongrass	0	2	3	3	2	2	0	0	1	2	2	0	0	2	0	0
	<i>Torilis arvensis</i>	spreading hedgeparsley	1	2	0	0					0	2	0	0	1	0	0	0
214R	<i>Bothriochloa ischaemum</i>	kr bluestem					2	2	0	0	2	2	0	0	1	0	0	0
	<i>Bromus japonicus</i>	Japanese brome													2	2	0	0
	<i>Cynodon dactylon</i>	Bermudagrass									2	0	0	0	2	0	0	0
	<i>Dichanthium annulatum</i>	kleberg bluestem	2	2	0	0												
	<i>Lolium perenne</i>	perennial ryegrass	0	1	0	0												
	<i>Medicago lupulina</i>	black medic clover	1	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0
	<i>Medicago minima</i>	burr medic clover	2	2	0	0					2	0	0	0	1	0	0	0
	<i>Sorghum halepense</i>	Johnsongrass					0	2	2	2	0	1	0	0				
	<i>Torilis arvensis</i>	spreading hedgeparsley									0	1	0	0	1	0	0	0
215L	<i>Bothriochloa ischaemum</i>	kr bluestem					2	0	X	X	2	0	X	X	2	0	X	X
	<i>Bromus japonicus</i>	Japanese brome	1	0	X	X												

Distance Class Key: D1 = edge of vector to 2 meters into the landscape (or inner edge of mow line); D2 = interior edge of D1 to 10 meters; D3 & D4 = each additional 10 meters into the landscape.

Density Code Key: 0 = no plants; 1 = 1–5 plants; 2 = scattered patches; 3 = even distributed patches; 4 = matrix; X = non-detect

Table 4. Comparison of 2010 through 2013 detections for each individual Vector Block, detailing the given Density Code for each Distance Class (continued).

Block	Scientific Name	Common Name	2010				2011				2012				2013			
			D1	D2	D3	D4	D1	D2	D3	D4	D1	D2	D3	D4	D1	D2	D3	D4
215L (cont.)	<i>Lolium perenne</i>	perennial ryegrass	2	1	1	0												
	<i>Medicago lupulina</i>	black medic clover	2	0	X	X					2	0	X	X	2	0	X	X
	<i>Medicago minima</i>	burr medic clover	2	2	0	0									2	0	X	X
	<i>Paspalum dilatatum</i>	dallisgrass													1	0	X	X
	<i>Sorghum halepense</i>	Johnsongrass	2	3	X	X	2	2	X	X								
	<i>Torilis arvensis</i>	spreading hedgeparsley	2	2	2	0					1	1	X	X				
215R	<i>Bothriochloa ischaemum</i>	kr bluestem					1	2	0	0								
	<i>Bromus catharticus</i>	rescue grass													0	1	0	0
	<i>Bromus japonicus</i>	Japanese brome	0	2	0	0									2	2	0	0
	<i>Bromus tectorum</i>	cheatgrass									0	2	0	0				
	<i>Cynodon dactylon</i>	Bermudagrass									2	0	0	0				
	<i>Dichanthium annulatum</i>	kleberg bluestem	1	2	0	0												
	<i>Medicago lupulina</i>	black medic clover	2	0	0	0	2	0	0	0	2	2	0	0				
	<i>Medicago minima</i>	burr medic clover	2	0	0	0					2	0	0	0	2	0	0	0
	<i>Paspalum dilatatum</i>	dallisgrass													2	0	0	0
	<i>Sorghum halepense</i>	Johnsongrass					0	2	2	0	0	2	2	2	0	1	1	0
	<i>Taraxacum officinale</i>	dandelion	0	1	0	0												
	<i>Torilis arvensis</i>	spreading hedgeparsley	0	1	0	0									0	1	0	0
216L	<i>Bothriochloa ischaemum</i>	kr bluestem	1	X	X	X	2	0	X	X	2	0	X	X	2	0	X	X
	<i>Medicago lupulina</i>	black medic clover	3	X	X	X	2	0	X	X	2	0	X	X	2	0	X	X
	<i>Medicago minima</i>	burr medic clover	3	X	X	X												
	<i>Paspalum urvillei</i>	vaseygrass	1	X	X	X												
	<i>Sorghum halepense</i>	Johnsongrass	1	X	X	X	2	0	X	X								
	<i>Torilis arvensis</i>	spreading hedgeparsley									0	2	X	X	2	0	X	X
216R	<i>Bothriochloa ischaemum</i>	kr bluestem	2	0	0	0	2	2	0	0	2	1	0	0	2	0	0	0
	<i>Bromus japonicus</i>	Japanese brome	0	1	0	0												
	<i>Bromus tectorum</i>	cheatgrass									0	1	0	0				
	<i>Cynodon dactylon</i>	Bermudagrass									2	0	0	0				
	<i>Medicago lupulina</i>	black medic clover	2	0	0	0	2	0	0	0	2	2	0	0				
	<i>Medicago minima</i>	burr medic clover	2	2	0	0									2	0	0	0
	<i>Paspalum dilatatum</i>	dallisgrass													2	0	0	0
	<i>Sorghum halepense</i>	Johnsongrass	0	2	0	2	0	0	2	3	0	2	0	2	0	1	0	2
	<i>Taraxacum officinale</i>	dandelion	0	1	0	0												

Distance Class Key: D1 = edge of vector to 2 meters into the landscape (or inner edge of mow line); D2 = interior edge of D1 to 10 meters; D3 & D4 = each additional 10 meters into the landscape.

Density Code Key: 0 = no plants; 1 = 1–5 plants; 2 = scattered patches; 3 = even distributed patches; 4 = matrix; X = non-detect

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