Historic Endangered and Threatened Plant Species Element Occurrence Updates for IDNR, Administrative Region 1

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The Illinois Natural Heritage Biological Conservation Database (BCD) documents 163 endangered and threatened plant element occurrences from ten or more years ago (Historic Plant Occurrence Record) in the IDNR Region 1. These records represent 77 species found in 156 locations within 16 of the 24 counties that comprise the IDNR Region 1. The need to update these historic occurrences is critical in decision making for the IDNR Endangered Species Consultation Process, the Comprehensive Environmental Review Process, the maintenance of the BCD, listing evaluations and recovery planning for the Illinois Endangered Species Protection Board, and natural area protection, maintenance, and management by the IDNR and Illinois Nature Preserve Commission.

During the growing seasons of 2004 and 2005, 149 locations of all 77 species were examined in the sixteen counties these plant species occurred. Visits were coordinated with optimal times to find the plants, in most cases during flowering. Plant occurrences on IDNR properties in several cases were checked more than once if the species to be examined was not found on the first visit. Such increased survey effort was necessary because plants on State property are in the public trust and therefore should have the best opportunities for survival with appropriate habitat management and protection. Plant locations on private property often took much longer to survey because of the time trying to locate land owners for permission to examine the plants. Fifty-three historic occurrences were not found because permission was not given to enter the property or owners not found, the habitat was destroyed, or the plants may have been not located due to stressors such as drought, deer browse, succession or lack of management. Element Occurrence Records (EOR) were completed for each Historic Plant Record site visited.

The summary of the 163 historic plant occurrences is found in Table 1.

Acknowledgements:

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County	Genus	Species	EOR #	Found	Not Found
Boone	Sambucus	pubens	PDCPR04080*002*IL		A
Carroll	Aster	furcatus	PDAST0T170*018*IL	X	
	Ceonothus	ovatus	none	X	
	Equisetum	pratense	PPEQU01060*006*IL	X	
			PPEQU01060*007*IL	X	
			PPEQU01060*008*IL	X	
			PPEQU01060*009*IL	X	
	Equisetum	scirpoides	PPEQU01080*001*IL	X	
	Gymnocarpium	robertianum	PPDRY0D060*001*IL		A
	Hackelia	americana	F PPBOR0G0B1*001*IL	X	
	Solidago	sciaphila	PDAST8PR0*001*IL	X	
			PDAST8PR0*004*IL	X	
	Sullivantia	renifolia	PDSAX0X040*002*IL	X	
DeKalb	Asclepias	otarioides	PDASC021C0*006*IL		A
	Sambucus	pubens	PDCPR04080*001*IL		B
	Viola	conspersa	PDVIO040E0*008*IL		B
				X	
Henderson	Besseya	bullii	PDSCR09030*001*IL	X	
			PDSCR09030*001*IL		A
Henry	Tomanthera	auriculata	PDSCR01130*032*IL		A
			PDSCR1X010*015*IL		A
Jo Daviess	Adoxa	moschatellina	PDAO01010*001*IL		A
	Amelanchier	interior	PDROS050H0*007*IL		A
			PDROS050H0*001*IL	X	
	Asclepias	lanuginosa	PDASC022A0*001*IL	X	
	Carex	inops subsp. heliophila	PMCYP035U0*001*IL		
	Carex	prasina	PMCYP03B10*OO8*IL	X	
	Carex	woodii	PMCYP03EV0*001*IL		A
	Ceonothus	herbaceus	PDRHA040K0*001*IL	X	
			PDRHA040K0*006*IL	X	
	Circaea	alpina	PDONA04010*002*IL		A
			PDONA04010*001*IL	X	
	Conioselinum	chinense	PDAPI0P010*001*IL	X	
	Corylus	rostrata	PDBET04032*001*IL	X	
	Cyperus	grayioides	PMCYP061G0*001*IL	X	
	Elymus	trachycaulus	PMPOA030L0*007*IL	X	
	Equisetum	pratense	PPEQU01060*001*IL	X	
	Gymnocarpium	dryopteris	PPDRY0D030*003*IL	X	
	Hackelia	americana	PDBOR0G0B1*002*IL		A
			PDBOR0G0B1*003*IL	X	
			PDBOR0G0B1*004*IL		A
	Juniperus	communis	PGCUP05030*008*IL		
	Lathyrus	ochroleucus	PDFAB250M0*001*IL	X	
	Mirabilis	hirsuta	PDNYC0A0P0*002*IL	X	
			F PDNYC0A0P0*001*IL		A
	Opuntia	fragilis	PDCAC0D0H0*001*IL	X	
	Polansia	jamesii	PDCPP0830*001*IL	X	

	Rosa	acicularis	PDROS1J010*002*IL		
	Salvia	azurea ssp pitcheri	PDLAM1S053*004*IL	X	
	Schizachne	purpurascens	PMPOA5C010*001*IL		
	Solidago	sciaphila	PDAST8P1R0*002*IL	X	
			PDAST8P1R0*003*IL	X	
			PDAST8P1R0*005*IL		
			PDAST8P1R0*009*IL	X	
	Ulmus	thomasii	PDULM040B0*001*IL		
	Viola	canadensis	PDVIO040A0*004*IL	X	
	Viola	incognita	PDVIO042U2*001*IL		
	Zigadenus	glaucus	PMLIL28032*002*IL	X	
McDonough	Tradescantia	bracteata	PMCOM0B010*005*IL		A
			PMCOM0B010*004*IL		A
Ogle	Amelanchier	sanguinea	PDROS050C0*004*IL	X	
	Arctostaphylos	urv-ursi	PDERIO41J0*001*IL		A
	Aster	furcatus	PDAST0T170*019*IL	X	
	Besseya	bullii	PDSCR09030*005*IL		A
			PDSCR09030*007*IL	X	
			PDSCR09030*008*IL	X	
			PDSCR09030*009*IL	X	
			PDSCR09030*025*IL	X	
			PDSCR09030*027*IL		A
			PDSCR09030*033*IL	X	
		Castle Rk, Heather Val			A
	Betula	alleghaniensis	PDBET02010*005*IL		A
	Carex	echinata	PMCYP03430*002*IL		B
	Carex	woodii	PMCYP03EV0*005*IL		A
	Cornus	canadensis	PDCOR01040*001*IL		A
			PDCOR01040*003*IL		A
			PDCOR01040*006*IL	X	
	Corydalis	sempervirens	PDFUM030B0*001*IL	X	
	Cypripedium	acaule	PMORC0Q010*002*IL		
	Dichanthelium	boreale	PMPOA24030*002*IL	X	
	Equisetum	pratense	PPEQU01060*002*IL	X	
			PPEQU01060*005*IL	X	
			Babson Hollow		B
	Equisetum	sylvaticum	PPEQU01090*002*IL	X	
	Lathyrus	ochroleucus	PDFAB250M0*007*IL	X	
			PDFAB250M0*018*IL		A
	Lespedeza	leptostachya	PDFAB27090*005*IL	X	
	Luzula	acuminata	PMJUN02010*001*IL	X	
			PMJUN02010*002*IL	X	
			PMJUN02010*003*IL	X	
	Lycopodium	clavatum	PPLYC01080*001*IL		
	Lycopodium	dendroideum	PPLY010B0*001*IL		
	Microseris	cuspidata	PDAST6P020*002*IL		A
			PDAST6P020*003*IL		A
			PDAST6P020*006*IL		
			PDAST6P020*007*IL		A
	Sullivantia	renifolia	PDSAX0X040*005*IL	X	

			Moosehart Camp		
	Thelypteris	phegopteris	PPASP0X130*001*IL		
	Tomanthera	auriculata	Polo RR prairie		A
	Trientalis	borealis	PDPRI0A010*003*IL	X	
	Woodsia	ilvensis	PPDRY0U050*001*IL		
			PPDRY0U050*002*IL		A
Peoria	Viburnum	molle	PDCPR070C0*008*IL	X	
Putnum	Boltonia	decurrens	PDAST1E040*018*IL	X	
Rock Island	Cirsium	hillii	PDAST2E1C0*031*IL	X	
			PDAST2E1C0*042*IL		A
Stephenson	Ranunculus	rhomboideus	PDRAN0L2D0*001`*IL		A
	Sullivantia	renifolia	PDSAX0X040*003*IL	X	
Tazewell	Aster	furcatus	PDAST0T170*007*IL	X	
	Besseya	bullii	PDSCR09030*011*IL		A
Whiteside	Besseya	bullii	PDSCR09030*021*IL		A
			PDSCR09030*022*IL		A
			PDSCR09030*023*IL		A
Woodford	Filipendula	rubra	PDROS0Q020*008*IL		A
	Mimulus	glabratus	2		A
Winnebago	Alnus	incana ssp rugosa	PDBET01021*002*IL		
	Amelanchier	interior	PDROS050H0*002*IL		
			PDROS050H0*004*IL		
	Arctostaphylos	uva-ursi	PDERI041J0*002*IL		
	Artemisia	dracunculus	PDAST0S0H0*001*IL		
			PDAST0S0H0*002*IL		
	Asclepias	lanuginosa	PDASC022A0*007*IL	X	
			PDASC022A0*010*IL		
	Aster	furcatus	PDAST0T170*004*IL		A
			PDAST0T170*012*IL		A
			PDAST0T170*016*IL		A
	Besseya	bullii	PDSCR09030*013*IL		B
			PDSCR09030*015*IL	X	
			PDSCR09030*016*IL		
			PDSCR09030*017*IL		
			PDSCR09030*018*IL		
			PDSCR09030*019*IL		
			PDSRC09030*029*IL		
			PDSRC09030*031*IL		
	Botrychium	matricariifolium	PPOPH010A0*001*IL		
	Botrychium	multifidum	PPOPH010B0*001*IL		
	Botrychium	simplex	PPOPH010E0*003*IL		
	Calopogon	tuberosus	PMORC040*010*IL		A
	Carex	echinata	PMCYP03430*001*IL		A
	Castilleja	sessiliflora	PDSCR0D300*003*IL		A

		PDSCR0D300*007*IL		
Ceanothus	ovatus	PDRHA040K0*004*IL		
Chimaphila	umbellata	PDPYR01030*001*IL		
		PDPYR01030*002*IL		
		PDPYR01030*003*IL		
Cirsium	hillii	PDAST2E1C0*007*IL	X	
		PDAST2E1C0*009*IL		
		PDAST2E1C0*012*IL		
Comptonia	peregrina	PDMCC01010*003*IL		A
Corollorhiza	maculata	PMORC0M010*002*IL		
		PMORC0M010*005*IL		
Elymus	trachyculus	PMPOA2H0Q0*001*IL		A
Helianthus	giganteus	PDAST4N0L0*002*IL	X	
		PDAST4N0L0*003*IL		
Juncus	vaseyi	PMJUN01340*001*IL		
Juniperus	communis	PGCUP05030*010*IL		
Lechea	intermedia	PDCIS04040*004*IL		A
Oenothera	perennis	PDONA0C100*005*IL		A
Sambucus	pubens	PDCPR04080*005*IL		
		PDCPR04080*007*IL		
Sparganium	americanum	PMSPA01010*002*IL		B
Ulmus	thomasii	PDULM040B0*003*IL		
Vaccinium	corymbosum	PDERI18090*004*IL		

A. Site visited, species not found due to changes in habitat/environmental stressors.
B. Site not visited because land owner not found.

Table 1. Historic endangered and threatened plant species in sixteen counties of IDNR, Region 1, by county, species, EOR number, and fate. (WPF Project # 04-L12 12W)