These results from usage of the NatureServe Climate Change Vulnerability Index are from:

Walk,J., S. Hagen, and A. Lange. 2011. Adapting Conservation to a Changing Climate: An Update to the Illinois Wildlife Action Plan. Report to the Illinois Department of Natural Resources. Prepared by Illinois Chapter of the Nature Conservancy.

The complete report (with methodology of use of the CCVI) is available at: www.conserveonline.org

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								Temperature Scope		Hamon AET:PET Moisture Metric Scope						Natl barriers	Anth barriers	CC mitigation	Dispersal/Movement	historical thermal niche	physiological thermal niche	historical hydrological niche	physiological hydrological niche	Disturbance	Ice/snow	Phys habitat	Other spp for hab	Diet	Pollinators	Other spp disp	Other spp interaction	Genetic var	Gen bottleneck	Phenol response	Doc response	Modeled change	Modeled overlap	Protected Areas						
Taxonomic Group	Species	English Name	Geographic Area	Range Rel.	Cave/GW	GRank	SRank	A >5.5F	A 5.1F	< -0.119	-0.119	-0.096	-0.073	-0.05	>-0.028	B2a	B2b	B3	C1	C2ai	C2aii	C2bi	C2bii	C2c	C2d	C3	C4a	C4b	C4c	C4d	C4e	C5a	C5b	C6	D1	D2	D3	D4	Index	Conf.	Index Notes	Assessment Notes	Assessor	Date Pasted
Invert-Mollusk	*Alasmidonta viridis*	slippershell mussel	Fox Watershed	Center of range		G4G5	S2		100				100			Inc	SI	SI-N	Inc	N	N	N	SI	SI	N	SI	N	SI	N/A	SI	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Alasmidonta viridis*	slippershell mussel	Kankakee (Iroquois) Watershed	Center of range		G4G5	S2	100				100				Inc	SI	SI	Inc	N	N	N	SI	SI	N	SI	N	SI	N/A	SI	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Alasmidonta viridis*	slippershell mussel	Mackinaw Watershed	Center of range		G4G5	S2	100				100				Inc	SI	SI	Inc	N	N	N	SI	SI	N	SI	N	SI	N/A	SI	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Alasmidonta viridis*	slippershell mussel	Rock (Kishwaukee & Green) Watershed	Center of range		G4G5	S2	100					100			Inc	Inc	SI	Inc	N	N	N	SI	SI	N	SI	N	SI	N/A	SI	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Alasmidonta viridis*	slippershell mussel	Sangamon Watershed	Center of range		G4G5	S2	100				100				Inc	Inc-SI	SI	Inc	N	N	N	SI	SI	N	SI	N	SI	N/A	SI	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Alasmidonta viridis*	slippershell mussel	Wabash (Vermilion) Watershed	Center of range		G4G5	S2	100				100				Inc	SI	N-SD	Inc	N	N	N	SI	SI	N	SI	N	SI	N/A	SI	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Arcidens confragosus*	rock pocketbook	Big Muddy Watershed	Center of range		G4	S3		100		100					SI-N	Inc-SI	SI	Inc	N	N	N	SI	SI	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	EV	Mod		EV 75% HV 25%	Sarah	20-Sep-10
Invert-Mollusk	*Arcidens confragosus*	rock pocketbook	Embarras Watershed	Center of range		G4	S3	100				100				SI-N	Inc-SI	SI	Inc	N	N	N	SI	SI	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	20-Sep-10
Invert-Mollusk	*Arcidens confragosus*	rock pocketbook	Illinois Watershed	Center of range		G4	S3	100				100				SI-N	Inc	N-SD	Inc	N	N	N	SI	SI	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	EV	Mod		EV 75% HV 25%	Sarah	20-Sep-10
Invert-Mollusk	*Arcidens confragosus*	rock pocketbook	Kaskaskia Watershed	Center of range		G4	S3	100				100				SI-N	GI-Inc	SI	Inc	N	N	N	SI	SI	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	20-Sep-10
Invert-Mollusk	*Arcidens confragosus*	rock pocketbook	LaMoine Watershed	Center of range		G4	S3	100				100				SI-N	N	SI	Inc	N	N	N	SI	SI	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	HV	Low		EV 45% HV 55%	Sarah	20-Sep-10
Invert-Mollusk	*Arcidens confragosus*	rock pocketbook	Little Wabash Watershed	Center of range		G4	S3		100			100				SI-N	Inc-SI	SI	Inc	N	N	N	SI	SI	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	EV	Mod		EV 75% HV 25%	Sarah	20-Sep-10
Invert-Mollusk	*Arcidens confragosus*	rock pocketbook	Mackinaw Watershed	Center of range		G4	S3	100				100				SI-N	SI	SI	Inc	N	N	N	SI	SI	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	20-Sep-10
Invert-Mollusk	*Arcidens confragosus*	rock pocketbook	Macoupin Watershed	Center of range		G4	S3	100				100				SI-N	SI	SI	Inc	N	N	N	SI	SI	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	20-Sep-10
Invert-Mollusk	*Arcidens confragosus*	rock pocketbook	Mississippi Watershed	Center of range		G4	S3	100				100				SI-N	Inc-SI	N-SD	Inc	N	N	N	SI	SI	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	HV	Low		EV 50% HV 40% MV 10%	Sarah	20-Sep-10
Invert-Mollusk	*Arcidens confragosus*	rock pocketbook	Ohio (Cache) Watershed	Center of range		G4	S3		100			100				SI-N	Inc-SI	N-SD	Inc	N	N	N	SI	SI	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	HV	Mod		EV 15% HV 70% MV 15%	Sarah	20-Sep-10
Invert-Mollusk	*Arcidens confragosus*	rock pocketbook	Rock (Kishwaukee & Green) Watershed	Center of range		G4	S3	100					100			SI	Inc-SI	SI	Inc	N	N	N	SI	SI	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	20-Sep-10
Invert-Mollusk	*Arcidens confragosus*	rock pocketbook	Saline Watershed	Center of range		G4	S3		100		100					SI-N	SI	SI	Inc	N	N	N	SI	SI	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	EV	Low		EV 50% HV 50%	Sarah	20-Sep-10
Invert-Mollusk	*Arcidens confragosus*	rock pocketbook	Sangamon Watershed	Center of range		G4	S3	100				100				SI-N	Inc-SI	SI	Inc	N	N	N	SI	SI	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	20-Sep-10
Invert-Mollusk	*Arcidens confragosus*	rock pocketbook	Spoon Watershed	Center of range		G4	S3	100				100				SI-N	SI	SI	Inc	N	N	N	SI	SI	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	20-Sep-10
Invert-Mollusk	*Arcidens confragosus*	rock pocketbook	Wabash (Vermilion) Watershed	Center of range		G4	S3	100				100				SI-N	SI	N-SD	Inc	N	N	N	SI	SI	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	HV	Low		EV 25% HV 50% MV 25%	Sarah	20-Sep-10
Invert-Mollusk	*Cumberlandia monodonta*	spectacle case mussel	Mississippi Watershed	Center of range		G3	S1	100				100				N	Inc-SI	N-SD	Inc	N	N	N	N	N	N	N	N	N	N/A	SI	U	U	U	U	U	U	U	U	HV	Mod		HV 75% MV 25%	Sarah	1-Oct-10
Invert-Mollusk	*Cumberlandia monodonta*	spectacle case mussel	Ohio (Cache) Watershed	Center of range		G3	S1		100			100				N	Inc-SI	SD	Inc	N	N	N	N	N	N	N	N	N	N/A	SI	U	U	U	U	U	U	U	U	MV	VH		MV 100%	Sarah	1-Oct-10
Invert-Mollusk	*Cyprogenia stegaria*	fanshell mussel	Wabash (Vermilion) Watershed	East/west edge of range		G1Q	S1	100				100				N	SI	N-SD	Inc	N	N	N	N	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	MV	Low		MV 50% PS 50%	Sarah	1-Oct-10
Invert-Mollusk	*Discus macclintocki*	Iowa pleistocene snail	Wisconsin Driftless Area Natural Division	East/west edge of range		G1G2	S1		100				100			SI-N	N	N	SI	N	GI	N	Inc-SI	N	GI	Inc	N	SI	N/A	U	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	1-Oct-10
Invert-Mollusk	*Elliptio crassidens*	elephant-ear mussel	Ohio (Cache) Watershed	Center of range		G5	S2		100			100				Inc	Inc-SI	SD	Inc	N	N	N	SI	SI	N	N	N	SI	N/A	Inc	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Elliptio crassidens*	elephant-ear mussel	Wabash (Vermilion) Watershed	Center of range		G5	S2	100				100				Inc	SI	N-SD	Inc	N	N	N	SI	SI	N	N	N	SI	N/A	Inc	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Elliptio dilatata*	spike	Embarras Watershed	Center of range		G5	S2	100				100				N	Inc-SI	SI	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	HV	Low		EV 50% HV 50%	Sarah	20-Sep-10
Invert-Mollusk	*Elliptio dilatata*	spike	Fox Watershed	Center of range		G5	S2		100				100			N	SI	SI-N	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	MV	VH		MV 100%	Sarah	20-Sep-10
Invert-Mollusk	*Elliptio dilatata*	spike	Kankakee (Iroquois) Watershed	Center of range		G5	S2	100				100				N	SI	SI	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	HV	VH		HV 100%	Sarah	20-Sep-10
Invert-Mollusk	*Elliptio dilatata*	spike	Kaskaskia Watershed	Center of range		G5	S2	100				100				N	GI-Inc	SI	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	20-Sep-10
Invert-Mollusk	*Epioblasma triquetra*	snuffbox mussel	Embarras Watershed	Center of range		G3	S1	100				100				N	Inc-SI	SI	Inc	N	N	N	N	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	HV	VH		HV 100%	Sarah	1-Oct-10
Invert-Mollusk	*Fusconaia ebena*	ebonyshell	Illinois Watershed	East/west edge of range		G4G5	S2	100				100				N	Inc	N-SD	Inc	N	N	N	N	N	N	N	N	N	N/A	SI	U	U	U	U	U	U	U	U	HV	VH		HV 100%	Sarah	1-Oct-10
Invert-Mollusk	*Fusconaia ebena*	ebonyshell	Little Wabash Watershed	East/west edge of range		G4G5	S2		100			100				N	Inc-SI	SI	Inc	N	N	N	N	N	N	N	N	N	N/A	SI	U	U	U	U	U	U	U	U	HV	VH		HV 100%	Sarah	1-Oct-10
Invert-Mollusk	*Fusconaia ebena*	ebonyshell	Mississippi Watershed	East/west edge of range		G4G5	S2	100				100				N	Inc-SI	N-SD	Inc	N	N	N	N	N	N	N	N	N	N/A	SI	U	U	U	U	U	U	U	U	HV	Mod		HV 75% MV 25%	Sarah	1-Oct-10
Invert-Mollusk	*Fusconaia ebena*	ebonyshell	Ohio (Cache) Watershed	East/west edge of range		G4G5	S2		100			100				N	Inc-SI	SD	Inc	N	N	N	N	N	N	N	N	N	N/A	SI	U	U	U	U	U	U	U	U	MV	VH		MV 100%	Sarah	1-Oct-10
Invert-Mollusk	*Fusconaia ebena*	ebonyshell	Wabash (Vermilion) Watershed	East/west edge of range		G4G5	S2	100				100				N	SI	N-SD	Inc	N	N	N	N	N	N	N	N	N	N/A	SI	U	U	U	U	U	U	U	U	MV	Low		HV 45% MV 55%	Sarah	1-Oct-10

								Temperature Scope		Hamon AET:PET Moisture Metric Scope						Natl barriers	Anth barriers	CC mitigation	Dispersal/Movement	historical thermal niche	physiological thermal niche	historical hydrological niche	physiological hydrological niche	Disturbance	Ice/snow	Phys habitat	Other spp for hab	Diet	Pollinators	Other spp disp	Other spp interaction	Genetic var	Gen bottleneck	Phenol response	Doc response	Modeled change	Modeled overlap	Protected Areas						
Taxonomic Group	Species	English Name	Geographic Area	Range Rel.	Cave/GW	GRank	SRank	A >5.5F	A 5.1F	< -0.119	-0.119	-0.096	-0.073	-0.05	>-0.028	B2a	B2b	B3	C1	C2ai	C2aii	C2bi	C2bii	C2c	C2d	C3	C4a	C4b	C4c	C4d	C4e	C5a	C5b	C6	D1	D2	D3	D4	Index	Conf.	Index Notes	Assessment Notes	Assessor	Date Pasted
Invert-Mollusk	*Lampsilis abrupta*	pink mucket	Ohio (Cache) Watershed	Northern edge of range		G2	S1		100			100				N	Inc-SI	SD	Inc	N	N	N	N	N	N	N	N	N	N/A	SI	U	U	U	U	U	U	U	U	PS	Low		MV 50% PS 50%	Sarah	1-Oct-10
Invert-Mollusk	*Lampsilis fasciola*	wavy-rayed lampmussel	Wabash (Vermilion) Watershed	East/west edge of range		G5	S2	100				100				Inc	SI	SI	Inc	N	N	N	SI	SI	N	N	N	N	N/A	SI	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Lampsilis higginsii*	Higgins eye	Mississippi Watershed	East/west edge of range		G1	S1	100				100				N	Inc-SI	N-SD	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	MV	Mod		HV 25% MV 75%	Sarah	20-Sep-10
Invert-Mollusk	*Lasmigona compressa*	creek heelsplitter	Illinois Watershed	Center of range		G5	S3	100				100				N	Inc	N-SD	Inc	N	N	N	N	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	MV	Low		HV 50% MV 50%	Sarah	1-Oct-10
Invert-Mollusk	*Lasmigona compressa*	creek heelsplitter	Mackinaw Watershed	Center of range		G5	S3	100				100				N	SI	SI	Inc	N	N	N	N	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	HV	VH		HV 100%	Sarah	1-Oct-10
Invert-Mollusk	*Lasmigona compressa*	creek heelsplitter	Vermilion (Illinois) Watershed	Center of range		G5	S3	100				100				N	SI	SI	Inc	N	N	N	N	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	HV	VH		HV 100%	Sarah	1-Oct-10
Invert-Mollusk	*Lasmigona compressa*	creek heelsplitter	Wabash (Vermilion) Watershed	Center of range		G5	S3	100				100				N	SI	N-SD	Inc	N	N	N	N	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	MV	Low		MV 50% PS 50%	Sarah	1-Oct-10
Invert-Mollusk	*Lithasia obovata*	Shawnee rocksnail	Ohio (Cache) Watershed	East/west edge of range		G4	SNR		100			100				SI	Inc-SI	SD	SI	N	N	N	N	SI	N	N	N	N	N/A	U	U	U	U	U	U	U	U	U	MV	VH		MV 100%	Sarah	1-Oct-10
Invert-Mollusk	*Plethobasus cooperianus*	orange-foot pimpleback	Ohio (Cache) Watershed	East/west edge of range		G1	S1		100			100				N	Inc-SI	SD	Inc	N	N	N	SI	N	N	N	N	N	N/A	Inc	U	U	U	U	U	U	U	U	HV	VH		HV 100%	Sarah	20-Sep-10
Invert-Mollusk	*Plethobasus cyphyus*	sheepnose mussel	Kankakee (Iroquois) Watershed	Center of range		G3	S1	100				100				N	SI	SI	Inc	N	N	N	N	N	N	N	N	N	N/A	SI	U	U	U	U	U	U	U	U	HV	VH		HV 100%	Sarah	1-Oct-10
Invert-Mollusk	*Plethobasus cyphyus*	sheepnose mussel	Mississippi Watershed	Center of range		G3	S1	100				100				N	Inc-SI	N-SD	Inc	N	N	N	N	N	N	N	N	N	N/A	SI	U	U	U	U	U	U	U	U	HV	Mod		HV 75% MV 25%	Sarah	1-Oct-10
Invert-Mollusk	*Potamilus capax*	fat pocketbook pearly mussel	Ohio (Cache) Watershed	Center of range		G2	S1		100			100				SI-N	Inc-SI	SD	Inc	N	N	N	N	N	N	N	N	N	N/A	Inc	U	U	U	U	U	U	U	U	HV	Mod		HV 75% MV 25%	Sarah	1-Oct-10
Invert-Mollusk	*Potamilus capax*	fat pocketbook pearly mussel	Wabash (Vermilion) Watershed	Center of range		G2	S1	100				100				SI-N	SI	N-SD	Inc	N	N	N	N	N	N	N	N	N	N/A	Inc	U	U	U	U	U	U	U	U	HV	Mod		EV 25% HV 75%	Sarah	1-Oct-10
Invert-Mollusk	*Ptychobranchus fasciolaris*	kidneyshell mussel	Embarras Watershed	East/west edge of range		G4G5	S1	100				100				SI	Inc-SI	SI	SI	N	N	N	N	SI	N	N	N	N	N/A	SI	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	1-Oct-10
Invert-Mollusk	*Ptychobranchus fasciolaris*	kidneyshell mussel	Wabash (Vermilion) Watershed	East/west edge of range		G4G5	S1	100				100				SI	SI	N-SD	SI	N	N	N	N	SI	N	N	N	N	N/A	SI	U	U	U	U	U	U	U	U	HV	VH		HV 100%	Sarah	1-Oct-10
Invert-Mollusk	*Quadrula metanevra*	monkeyface	Big Muddy Watershed	Center of range		G4	S3		100		100					N	Inc-SI	SI	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	HV	VH		HV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Quadrula metanevra*	monkeyface	Embarras Watershed	Center of range		G4	S3	100				100				N	Inc-SI	SI	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	HV	Low		EV 50% HV 50%	Sarah	17-Sep-10
Invert-Mollusk	*Quadrula metanevra*	monkeyface	Illinois Watershed	Center of range		G4	S3	100				100				N	Inc	N-SD	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	HV	Low		HV 50% MV 50%	Sarah	17-Sep-10
Invert-Mollusk	*Quadrula metanevra*	monkeyface	Kankakee (Iroquois) Watershed	Center of range		G4	S3	100				100				N	SI	SI	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	HV	VH		HV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Quadrula metanevra*	monkeyface	Kaskaskia Watershed	Center of range		G4	S3	100				100				N	GI-Inc	SI	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Quadrula metanevra*	monkeyface	LaMoine Watershed	Center of range		G4	S3	100				100				N	N	SI	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	MV	VH		MV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Quadrula metanevra*	monkeyface	Little Wabash Watershed	Center of range		G4	S3		100			100				N	Inc-SI	SI	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	HV	VH		HV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Quadrula metanevra*	monkeyface	Mackinaw Watershed	Center of range		G4	S3	100				100				N	SI	SI	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	HV	VH		HV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Quadrula metanevra*	monkeyface	Macoupin Watershed	Center of range		G4	S3	100				100				N	SI	SI	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	HV	VH		HV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Quadrula metanevra*	monkeyface	Mississippi Watershed	Center of range		G4	S3	100				100				N	Inc-SI	N-SD	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	MV	Mod		HV 25% MV 75%	Sarah	17-Sep-10
Invert-Mollusk	*Quadrula metanevra*	monkeyface	Ohio (Cache) Watershed	Center of range		G4	S3		100			100				N	Inc-SI	SD	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	MV	VH		MV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Quadrula metanevra*	monkeyface	Rock (Kishwaukee) Watershed	Center of range		G4	S3	100					100			N	Inc-SI	SI	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	HV	VH		HV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Quadrula metanevra*	monkeyface	Saline Watershed	Center of range		G4	S3		100		100					N	SI	SI	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	HV	VH		HV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Quadrula metanevra*	monkeyface	Sangamon Watershed	Center of range		G4	S3	100				100				N	Inc-SI	SI	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	HV	Low		EV 50% HV 50%	Sarah	17-Sep-10
Invert-Mollusk	*Quadrula metanevra*	monkeyface	Spoon Watershed	Center of range		G4	S3	100				100				N	SI	SI	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	HV	VH		HV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Quadrula metanevra*	monkeyface	Vermilion (Illinois) Watershed	Center of range		G4	S3	100				100				N	SI	SI	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	HV	VH		HV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Quadrula metanevra*	monkeyface	Wabash (Vermilion) Watershed	Center of range		G4	S3	100				100				N	SI	N-SD	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	MV	VH		MV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Simpsonaias ambigua*	salamander mussel	Fox Watershed	Center of range		G3	S1		100				100			N	SI	SI-N	Inc	N	N	N	SI	N	N	N	N	N	N/A	Inc	U	U	U	U	U	U	U	U	HV	VH		HV 100%	Sarah	20-Sep-10
Invert-Mollusk	*Simpsonaias ambigua*	salamander mussel	Sangamon Watershed	Center of range		G3	S1	100				100				N	Inc-SI	SI	Inc	N	N	N	SI	N	N	N	N	N	N/A	Inc	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	20-Sep-10
Invert-Mollusk	*Simpsonaias ambigua*	salamander mussel	Wabash (Vermillion) Watershed	Center of range		G3	S1	100				100				N	SI	N-SD	Inc	N	N	N	SI	N	N	N	N	N	N/A	Inc	U	U	U	U	U	U	U	U	HV	Low		EV 45% HV 55%	Sarah	20-Sep-10
Invert-Mollusk	*Toxolasma lividum*	purple lilliput mussel	Ohio (Cache) Watershed	East/west edge of range		G3	S1		100			100				Inc-SI	Inc-SI	SD	Inc	N	N	N	N	Inc-SI	N	N	N	N	N/A	SI	U	U	U	U	U	U	U	U	HV	Low		EV 50% HV 50%	Sarah	1-Oct-10
Invert-Mollusk	*Toxolasma lividum*	purple lilliput mussel	Wabash (Vermilion) Watershed	East/west edge of range		G3	S1	100				100				Inc-SI	SI	N-SD	Inc	N	N	N	N	Inc-SI	N	N	N	N	N/A	SI	U	U	U	U	U	U	U	U	EV	High		EV 50% HV 50%	Sarah	1-Oct-10
Invert-Mollusk	*Venustaconcha ellipsiformis*	ellipse	Fox Watershed	Center of range		G4	S3		100				100			SI	SI	SI-N	Inc	N	N	N	SI	SI	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	HV	VH		HV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Venustaconcha ellipsiformis*	ellipse	Kankakee (Iroquois) Watershed	Center of range		G4	S3	100				100				SI	SI	SI	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Venustaconcha ellipsiformis*	ellipse	LaMoine Watershed	Center of range		G4	S3	100				100				SI	N	SI	Inc	N	N	N	SI	SI	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Venustaconcha ellipsiformis*	ellipse	Mackinaw Watershed	Center of range		G4	S3	100				100				SI	SI	SI	Inc	N	N	N	SI	SI	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Venustaconcha ellipsiformis*	ellipse	Rock (Kishwaukee) Watershed	Center of range		G4	S3	100					100			SI	Inc-SI	SI	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	EV	Low		EV 45% HV 55%	Sarah	17-Sep-10
Invert-Mollusk	*Venustaconcha ellipsiformis*	ellipse	Spoon Watershed	Center of range		G4	S3	100				100				SI	SI	SI	Inc	N	N	N	SI	SI	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Venustaconcha ellipsiformis*	ellipse	Vermilion (Illinois) Watershed	Center of range		G4	S3	100				100				SI	SI	SI	Inc	N	N	N	SI	SI	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	17-Sep-10
Invert-Mollusk	*Villosa iris*	rainbow mussel	Wabash (Vermillion) Watershed	Center of range		G5	S1	100				100				SI	SI	N-SD	Inc	N	N	N	SI	N	N	N	N	N	N/A	N	U	U	U	U	U	U	U	U	HV	Low		HV 50% MV 50%	Sarah	20-Sep-10

								Temperature Scope		Hamon AET:PET Moisture Metric Scope						Natl barriers	Anth barriers	CC mitigation	Dispersal/Movement	historical thermal niche	physiological thermal niche	historical hydrological niche	physiological hydrological niche	Disturbance	Ice/snow	Phys habitat	Other spp for hab	Diet	Pollinators	Other spp disp	Other spp interaction	Genetic var	Gen bottleneck	Phenol response	Doc response	Modeled change	Modeled overlap	Protected Areas						
Taxonomic Group	Species	English Name	Geographic Area	Range Rel.	Cave/GW	GRank	SRank	A >5.5F	A 5.1F	< -0.119	-0.119	-0.096	-0.073	-0.05	>-0.028	B2a	B2b	B3	C1	C2ai	C2aii	C2bi	C2bii	C2c	C2d	C3	C4a	C4b	C4c	C4d	C4e	C5a	C5b	C6	D1	D2	D3	D4	Index	Conf.	Index Notes	Assessment Notes	Assessor	Date Pasted
Invert-Mollusk	*Villosa lienosa*	little spectacle case mussel	Embarras Watershed	Northern edge of range		G5	S2	100				100				SI-N	Inc-SI	SI	Inc	N	N	N	N	SI-N	N	N	N	N	N/A	SI	U	U	U	U	U	U	U	U	EV	High		EV 85% HV 15%	Sarah	1-Oct-10
Invert-Mollusk	*Villosa lienosa*	little spectacle case mussel	Wabash (Vermilion) Watershed	Northern edge of range		G5	S2	100				100				SI-N	SI	N-SD	Inc	N	N	N	N	SI-N	N	N	N	N	N/A	SI	U	U	U	U	U	U	U	U	HV	Mod		EV 15% HV 70% MV 50%	Sarah	1-Oct-10
Invert-Other	*Caecidotea spatulata*	a cave obligate isopod	Ozarks Natural Division	Northern edge of range	x	G3G4	SU		100		100					Inc	N	N	SI	N	Inc	N	Inc-SI	N	N	Inc	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	MV	Mod		MV 80%, PS 20%	Sarah	13-Oct-10
Invert-Other	*Crangonyx anomalus*	anomolous spring amphipod	Shawnee Hills Natural Division	Northern edge of range	x	G4G5	SU		100		100					Inc	N	N	SI	N	N	N	SI-N	N	N	SI-N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	HV	Low		HV 50%, MV 50%	Sarah	13-Oct-10
Invert-Other	*Crangonyx packardi*	Packard cave amphipod	Shawnee Hills Natural Division	Northern edge of range	x	G4	S1		100		100					Inc-SI	N	N	SI	N	Inc	N	GI-Inc	N	N	Inc	N	N	N/A	N	N	U	U	U	U	U	U	U	MV	VH		MV 90% PS 10%	Sarah	13-Oct-10
Invert-Other	*Gammarus acherondytes*	Illinois cave amphipod	Ozarks Natural Division	Entire range	x	G2G3	S1S3		100		100					Inc	SI-N	N	SI	N	GI-Inc	N	Inc-SI	N	N	Inc	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	MV	VH		MV 90%, PS 10%	Sarah	13-Oct-10
Invert-Other	*Gammarus bousfieldi*	Bousfield's amphipod	Ohio (Cache) Watershed	Northern edge of range		G1	S1		100			100				Inc-SI	Inc-SI	SD	SI	N	N	N	SI-N	N	N	SI-N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	MV	Low		EV 5%, HV 50%, MV 40%, PS 5%	Sarah	13-Oct-10
Invert-Other	*Orconectes illinoiensis*	Shawnee crayfish	Big Muddy Watershed	Entire range		G3	S3		100		100					SI-N	Inc-SI	SI	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	MV	Mod	Species range may shift and perhaps leave the assessment area.	HV 30%, MV 60%, PS 10%	Sarah	13-Oct-10
Invert-Other	*Orconectes illinoiensis*	Shawnee crayfish	Ohio (Cache) Watershed	Entire range		G3	S3		100			100				Inc	Inc-SI	SD	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	MV	Mod		HV 15%, MV 70%, PS 15%	Sarah	13-Oct-10
Invert-Other	*Orconectes indianensis*	Indiana crayfish	Saline Watershed	East/west edge of range		G3	S2		100		100					N	SI	SI	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	MV	Mod		MV 80%, PS 20%	Sarah	13-Oct-10
Invert-Other	*Orconectes kentuckiensis*	Kentucky crayfish	Ohio (Cache) Watershed	Northern edge of range		G4	S2		100			100				N	Inc-SI	SD	SI-N	N	N	N	N	N	N	N	N	N	N/A	N	N	U	U	U	U	U	U	U	PS	VH	Species may expand range in assessment area.	PS 100%	Sarah	13-Oct-10
Invert-Other	*Orconectes lancifer*	shrimp crayfish	Ohio (Cache) Watershed	Northern edge of range		G5	S1		100			100				N	Inc-SI	SD	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	PS	High	Species may expand range in assessment area.	MV 10%, PS 90%	Sarah	13-Oct-10
Invert-Other	*Orconectes placidus*	bigclaw crayfish	Ohio (Cache) Watershed	Northern edge of range		G5	S2		100			100				Inc	Inc-SI	SD	SI-N	N	SI-N	N	SI-N	N	N	SI-N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	HV	Low		EV 15%, HV 55%, MV 25%, PS 5%	Sarah	13-Oct-10
Invert-Insect	*Aflexia rubranura*	redveined prairie leafhopper	Northeastern Morainal	Southern edge of range		2	2		100			0	100			N	Inc	N-SD	SI-N	N-SD	N	N	N	SI-N	N	N	N	N	N/A	U	U	U	U	U	U	U	U	U	PS	Mod		MV25, PS75	Aaron lange	18-Oct-10
Invert-Insect	*Arphia Pseudonietana*	Red-Winged Grasshopper	Middle Mississippi Border	Southern edge of range		5		100	0			100	0			N	Inc-SI	N	SI-N	U	U	N	N	SI-N	N	N	N	N	N/A	U	U	U	U	U	U	U	U	U	IE	—-			Aaron lange	18-Oct-10
Invert-Insect	*Atrytone arogos*	arogos skipper	Grand Prairie	Center of range		3	1	100	0			100	0			N	Inc-SI	N	N	N-SD	N	N	N	N	N	N	N	N	N/A	U	U	U	U	U	U	U	U	U	PS	VH		PS100	Aaron lange	18-Oct-10
Invert-Insect	*Atrytonopsis hianna*	Dusted Skipper	Coastal Plain	Center of range		4	3	0	100			100	0			N	SI	N	N	N-SD	N	N	N	N	N	N	N	N	N/A	U	U	U	U	U	U	U	U	U	PS	VH		PS100	Aaron lange	18-Oct-10
Invert-Insect	*Atrytonopsis hianna*	Dusted Skipper	Grand Prairie	Center of range		4	3	100	0			100	0			N	GI	N	N	N-SD	N	N	N	N	N	N	N	N	N/A	U	U	U	U	U	U	U	U	U	MV	Low		MV45, PS55	Aaron lange	18-Oct-10
Invert-Insect	*Atrytonopsis hianna*	Dusted Skipper	Illinois/Mississippi Sand Areas	Center of range		4	3	100	0			100	0			Inc-SI-N	Inc	N	N	N-SD	N	N	N	N	N	N	N	N	N/A	U	U	U	U	U	U	U	U	U	MV	Low		15HV, 25MV, 60PS	Aaron lange	18-Oct-10
Invert-Insect	*Atrytonopsis hianna*	Dusted Skipper	Middle Mississippi Border	Center of range		4	3	100	0			100	0			N	SI	N	N	N-SD	N	N	N	N	N	N	N	N	N/A	U	U	U	U	U	U	U	U	U	PS	VH		PS100	Aaron lange	18-Oct-10
Invert-Insect	*Atrytonopsis hianna*	Dusted Skipper	Shawnee Hills	Center of range		4	3	0	100		100	0	0			Inc	N	N	N	N-SD	N	N	N	N	N	N	N	N	N/A	U	U	U	U	U	U	U	U	U	PS	VH		PS100	Aaron lange	18-Oct-10
Invert-Insect	*Atrytonopsis hianna*	Dusted Skipper	Western Forest-Prairie	Center of range		4	3	100	0		0	100	0			N	Inc	SI-N	N	N-SD	N	N	N	N	N	N	N	N	N/A	U	U	U	U	U	U	U	U	U	PS	Mod		MV25, PS75	Aaron lange	18-Oct-10
Invert-Insect	*Boloria selene myrina*	Myrina Fritillary	Grand Prairie	East/west edge of range		5		100	0		0	100	0			N	GI	N	N	N-SD	N	N	N	N	N	N	N	U	N/A	U	U	U	U	U	U	U	U	U	IE	—-			Aaron lange	18-Oct-10
Invert-Insect	*Calephelis muticum*	swamp metalmark	Grand Prairie	Center of range		3	1	100	0		0	100	0			N	GI	N	N	N-SD	N	N	N	N	N	N	SI-N	SI-N	N/A	U	U	U	U	U	U	U	U	U	MV	Low		HV35, MV50, PS15	Aaron lange	19-Oct-10
Invert-Insect	*Calephelis muticum*	swamp metalmark	Northeastern Morainal	Center of range		3	1	0	100		0	0	100			N	Inc	SI-N	N	N-SD	N	N	N	N	N	N	SI-N	SI-N	N/A	U	U	U	U	U	U	U	U	U	PS	Low		MV40, PS60	Aaron lange	20-Oct-10
Invert-Insect	*Chlosyne gorgone carlota*	Carlota Checkerspot	Grand Prairie	Center of range		5		100	0		0	100	0			N	GI	N	N	N-SD	N	N	N	N	N	N	U	U	N/A	U	U	U	U	U	U	U	U	U	IE	—-			Aaron lange	20-Oct-10
Invert-Insect	*Euchloe olympia*	Olympia Marble	Grand Prairie	Center of range		5	2	100	0		0	100	0			N	GI	N	N	N-SD	N	N	N	N	N	N	N	N	N/A	U	U	U	U	U	U	U	U	U	MV	Low		MV50, PS50	Aaron lange	20-Oct-10
Invert-Insect	*Euchloe olympia*	Olympia Marble	Northeastern Morainal	Center of range		5	2	0	100		0	0	100			N	Inc	SI-N	N	N-SD	N	N	N	N	N	N	N	N	N/A	U	U	U	U	U	U	U	U	U	PS	High		MV15, PS85	Aaron lange	20-Oct-10
Invert-Insect	*Euchloe olympia*	Olympia Marble	Rock River Hill Country	Center of range		5	2	100	0		0	0	100			N	Inc	N	N	N-SD	N	N	N	N	N	N	N	N	N/A	U	U	U	U	U	U	U	U	U	PS	VH		PS100	Aaron lange	20-Oct-10
Invert-Insect	*Euphyes bimacula*	Two-spotted Skipper	Grand Prairie	Center of range		4	2	100	0		0	100	0			N	Inc	N	N	N-SD	N	N	N	N	N	N	N	SI-N	N/A	U	U	U	U	U	U	U	U	U	PS	Mod		MV25, PS75	Aaron lange	20-Oct-10
Invert-Insect	*Euphyes bimacula*	Two-spotted Skipper	Northeastern Morainal	Center of range		4	2	0	100		0	0	100			N	Inc	Inc-SI	N	N-SD	N	N	N	N	N	N	N	SI-N	N/A	U	U	U	U	U	U	U	U	U	MV	Low		MV55, PS45	Aaron lange	20-Oct-10
Invert-Insect	*Euphyes bimacula*	Two-spotted Skipper	Southern Tillplain	Center of range		4	2	0	100		0	100	0			N	Inc	N	N	N-SD	N	N	N	N	N	N	N	SI-N	N/A	U	U	U	U	U	U	U	U	U	PS	Mod		MV25, PS75	Aaron lange	20-Oct-10
Invert-Insect	*Euphyes bimacula*	Two-spotted Skipper	Western Forest-Prairie	Center of range		4	2	100	0		0	100	0			N	Inc	N	N	N-SD	N	N	N	N	N	N	N	SI-N	N/A	U	U	U	U	U	U	U	U	U	PS	Mod		MV25, PS75	Aaron lange	20-Oct-10
Invert-Insect	*Euphyes dion*	Dion Skipper	Grand Prairie	Center of range		4	3	100	0		0	100	0			N	GI	Inc-SI	N	N-SD	N	N	N	N	N	N	N	SI-N	N/A	U	U	U	U	U	U	U	U	U	HV	Low		EV10, HV50, MV40	Aaron lange	20-Oct-10
Invert-Insect	*Euphyes dion*	Dion Skipper	Northeastern Morainal	Center of range		4	3	0	100		0	0	100			N	Inc	N	N	N-SD	N	N	N	N	N	N	N	SI-N	N/A	U	U	U	U	U	U	U	U	U	PS	High		MV10, PS90	Aaron lange	20-Oct-10
Invert-Insect	*Euphyes dion*	Dion Skipper	Rock River Hill Country	Center of range		4	3	100	0		0	0	100			N	Inc	N	N	N-SD	N	N	N	N	N	N	N	SI-N	N/A	U	U	U	U	U	U	U	U	U	PS	Mod		MV25, PS75	Aaron lange	20-Oct-10
Invert-Insect	*Euphyes dion*	Dion Skipper	Upper Miss/IL River Bottomlands	Center of range		4	3	100	0		0	100	0			N	Inc	N	N	N-SD	N	N	N	N	N	N	N	SI-N	N/A	U	U	U	U	U	U	U	U	U	PS	Mod		MV25, PS75	Aaron lange	20-Oct-10
Invert-Insect	*Glaucopsyche lygdamus*	Silvery blue	Grand Prairie	Center of range		5	NR	100	0		0	100	0			N	GI	N	N	N-SD	N	N	N	N	N	N	N	N	N/A	U	U	U	U	U	U	U	U	U	MV	Low		MV50, PS50	Aaron lange	20-Oct-10
Invert-Insect	*Glaucopsyche lygdamus*	Silvery blue	Rock River Hill Country	Center of range		5	NR	100	0		0	0	100			N	Inc	N	N	N-SD	N	N	N	N	N	N	N	N	N/A	U	U	U	U	U	U	U	U	U	PS	VH		PS100	Aaron lange	20-Oct-10
Invert-Insect	*Glaucopsyche lygdamus*	Silvery blue	Western Forest-Prairie	Center of range		5	NR	100	0		0	0	100			N	Inc	N	N	N-SD	N	N	N	N	N	N	N	N	N/A	U	U	U	U	U	U	U	U	U	PS	VH		PS100	Aaron lange	20-Oct-10
Invert-Insect	*Hesperia metea*	cobweb skipper	Illinois and Mississippi River Sand Areas	Center of range		4	3	100				100	0			SI-N	Inc	SI-N-SD	SI-N	N	N	N	N-SD	SI-N	N	SI-N	U	U	N/A	N	N	U	U	U	U	U	U	U	MV	Low		5% ev, 45 %hv, 25% mv, 25% ps	Jeff Walk	18-Oct-10
Invert-Insect	*Hesperia metea*	cobweb skipper	Western Forest-Prairie	Center of range		4	3	100				100	0			N	Inc	SI-N-SD	SI-N	N	N	N	N-SD	SI-N	N	SI-N	U	U	N/A	N	N	U	U	U	U	U	U	U	MV	Low		35 %hv, 30% mv, 35% ps	Jeff Walk	18-Oct-10
Invert-Insect	*Hesperia ottoe*	Ottoe skipper	Illinois and Mississippi River Sand Areas	East/west edge of range		3	2	100				100				SI-N	Inc	N-SD	N	N	N-SD	N	N-SD	SI-N	N	N	N	N	N/A	U	N	U	SI-N	U	U	U	U	U	PS	Mod		10% hv, 20% mv, 70% ps	Jeff Walk	18-Oct-10
Invert-Insect	*Hesperia ottoe*	Ottoe skipper	Rock River Hill Country	East/west edge of range		3	2	100				0	100			N	Inc	SI-N-SD	N	N	N-SD	N	N-SD	SI-N	N	N	N	N	N/A	U	N	U	SI-N	U	U	U	U	U	PS	Mod		5% hv, 25% mv, 70% ps	Jeff Walk	18-Oct-10
Invert-Insect	*Hesperia sassacus*	Indian skipper	Grand Prairie	East/west edge of range		4	2	100				100	0			N	GI	SI-N-SD	SI-N	N	N	N-SD	N-SD	N	N	N	U	U	N/A	N	N	U	U	U	U	U	U	U	MV	Low		20%hv, 35% mv, 45% ps	Jeff Walk	18-Oct-10
Invert-Insect	*Lethe appalachia*	Appalachian eyed brown	Coastal Plain	East/west edge of range		4	U	0	100			100	0			N	SI	N-SD	SI-N	N	N	N-SD	SI-N	SI-N	N	N	U	U	N/A	N	N	U	U	U	U	U	U	U	PS	High		20% mv, 80% ps	Jeff Walk	18-Oct-10
Invert-Insect	*Lethe appalachia*	Appalachian eyed brown	Grand Prairie	East/west edge of range		4	U	100	0			100	0			N	GI	N-SD	SI-N	N	N	N-SD	SI-N	SI-N	N	N	U	U	N/A	N	N	U	U	U	U	U	U	U	MV	Low		40% hv, 40% mv, 20% ps	Jeff Walk	18-Oct-10
Invert-Insect	*Lethe appalachia*	Appalachian eyed brown	Northeast Morainal	East/west edge of range		4	U	0	100			0	100			N	Inc	N-SD	SI-N	N	N	N-SD	SI-N	SI-N	N	N	U	U	N/A	N	N	U	U	U	U	U	U	U	PS	Mod		40% mv, 60% ps	Jeff Walk	18-Oct-10
Invert-Insect	*Lethe appalachia*	Appalachian eyed brown	Shawnee Hills	East/west edge of range		4	U	0	100		100	0	0			N	N	SI-N-SD	SI-N	N	N	N-SD	SI-N	SI-N	N	N	U	U	N/A	N	N	U	U	U	U	U	U	U	PS	High		10% mv, 90% ps	Jeff Walk	18-Oct-10
Invert-Insect	*Lethe appalachia*	Appalachian eyed brown	Southern Till Plain	East/west edge of range		4	U	0	100		0	100	0			N	Inc	SI-N-SD	SI-N	N	N	N-SD	SI-N	SI-N	N	N	U	U	N/A	N	N	U	U	U	U	U	U	U	MV	Low		15% hv, 50% mv, 35% ps	Jeff Walk	18-Oct-10
Invert-Insect	*Lycaeides melissa samuelis (Plebejus melissa samuelis)*	Karner blue butterfly	Northeast Morainal	Southern edge of range		2	1	0	100		0	0	100			N	Inc	SI-N-SD	N	N	N	N	N-SD	N	N	SI-N	N	Inc	N/A	N	N	U	SI	U	U	U	U	U	HV	Low		55% hv, 45% mv	Jeff Walk	18-Oct-10

								Temperature Scope		Hamon AET:PET Moisture Metric Scope						Natl barriers	Anth barriers	CC mitigation	Dispersal/Movement	historical thermal niche	physiological thermal niche	historical hydrological niche	physiological hydrological niche	Disturbance	Ice/snow	Phys habitat	Other spp for hab	Diet	Pollinators	Other spp disp	Other spp interaction	Genetic var	Gen bottleneck	Phenol response	Doc response	Modeled change	Modeled overlap	Protected Areas						
Taxonomic Group	Species	English Name	Geographic Area	Range Rel.	Cave/GW	GRank	SRank	A >5.5F	A 5.1F	< -0.119	-0.119	-0.096	-0.073	-0.05	>-0.028	B2a	B2b	B3	C1	C2ai	C2aii	C2bi	C2bii	C2c	C2d	C3	C4a	C4b	C4c	C4d	C4e	C5a	C5b	C6	D1	D2	D3	D4	Index	Conf.	Index Notes	Assessment Notes	Assessor	Date Pasted
Invert-Insect	*Lycaena helloides*	purplish copper	Grand Prairie	Southern edge of range		5	U	100	0		0	100	0			N	GI	SI-N-SD	N	N	U	N	SI-N	N	N	N	N	N	N/A	N	N	U	U	U	U	U	U	U	MV	Low		30% hv, 50% mv, 20% PS	Jeff Walk	18-Oct-10
Invert-Insect	*Lycaena helloides*	purplish copper	Northeast Morainal	Southern edge of range		5	U	0	100		0	0	100			N	Inc	SI-N-SD	N	N	U	N	SI-N	N	N	N	N	N	N/A	N	N	U	U	U	U	U	U	U	PS	Mod		35% mv, 65% ps	Jeff Walk	18-Oct-10
Invert-Insect	*Lycaena helloides*	purplish copper	Rock River Hill Country	Southern edge of range		5	U	0	100		0	0	100			N	Inc	SI-N-SD	N	N	U	N	SI-N	N	N	N	N	N	N/A	N	N	U	U	U	U	U	U	U	PS	Mod		35% mv, 65% ps	Jeff Walk	18-Oct-10
Invert-Insect	*Lycaena helloides*	purplish copper	Western Forest-Prairie	Southern edge of range		5	U	100	0		0	100	0			N	Inc	SI-N-SD	N	N	U	N	SI-N	N	N	N	N	N	N/A	N	N	U	U	U	U	U	U	U	MV	Low		50% mv, 50% ps	Jeff Walk	18-Oct-10
Invert-Insect	*Lycaena xanthoides*	great copper	Grand Prairie	East/west edge of range		4	NR	100	0		0	100	0			N	GI	SI-N-SD	N	N	U	N	U	SI-N	N	N	SI	N	N/A	N	N	U	U	U	U	U	U	U	HV	Mod		15% ev, 70 % hv, 15% mv	Jeff Walk	18-Oct-10
Invert-Insect	*Lycaena xanthoides*	great copper	Illinois and Mississippi River Sand Areas	East/west edge of range		4	NR	100	0		0	100	0			N	Inc	SI-N-SD	N	N	U	N	U	SI-N	N	N	SI	N	N/A	N	N	U	U	U	U	U	U	U	MV	Low		50 % hv, 30% mv, 20% ps	Jeff Walk	18-Oct-10
Invert-Insect	*Lycaena xanthoides*	great copper	Northeast Morainal	East/west edge of range		4	NR	0	100		0	0	100			N	Inc	SI-N-SD	N	N	U	N	U	SI-N	N	N	SI	N	N/A	N	N	U	U	U	U	U	U	U	MV	High		80% mv, 20% ps	Jeff Walk	18-Oct-10
Invert-Insect	*Lycaena xanthoides*	great copper	Southern Till Plain	East/west edge of range		4	NR	0	100		0	100	0			N	Inc	SI-N-SD	N	N	U	N	U	SI-N	N	N	SI	N	N/A	N	N	U	U	U	U	U	U	U	MV	Mod		15% hv, 70% mv, 15% ps	Jeff Walk	18-Oct-10
Invert-Insect	*Lycaena xanthoides*	great copper	Western Forest-Prairie	East/west edge of range		4	NR	100	0		0	100	0			N	Inc	SI-N-SD	N	N	U	N	U	SI-N	N	N	SI	N	N/A	N	N	U	U	U	U	U	U	U	MV	Low		50% hv, 35% mv, 15% ps	Jeff Walk	18-Oct-10
Invert-Insect	*Papaipema eryngii*	rattlesnake master borer moth	Northeast Morainal	Northern edge of range		1	1	0	100		0	0	100			N	Inc	SI-N-SD	SI-N	N	N	N	N	SI-N	N	N	N	Inc	N/A	N	N	U	Inc-SI	U	U	U	U	U	HV	Low	Species may expand range in assessment area.	20% ev, 60% hv, 20% mv	Jeff Walk	18-Oct-10
Invert-Insect	*Papaipema eryngii*	rattlesnake master borer moth	Southern Till Plain	Northern edge of range		1	1	0	100		0	100	0			N	Inc	SI-N-SD	SI-N	N	N	N	N	SI-N	N	N	N	Inc	N/A	N	N	U	Inc-SI	U	U	U	U	U	HV	Low	Species may expand range in assessment area.	50% ev, 45% hv, 5% mv	Jeff Walk	18-Oct-10
Invert-Insect	*Papaipema speciosissima*	Osmunda Borer Moth	Grand Prairie Natural Division	East/west edge of range		G4	S1S2	100				100				N	GI	SI-N	N	N	N	N	SI-N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	HV	Mod		EV 10%, HV 60%, MV 30%	Sarah	18-Oct-10
Invert-Insect	*Papaipema speciosissima*	Osmunda Borer Moth	Northeastern Morainal Natural Division	East/west edge of range		G4	S1S2		100				100			SI-N	Inc-SI	N	N	N	N	N	SI-N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	PS	Low		MV 40%, PS 60%	Sarah	18-Oct-10
Invert-Insect	*Paraphlepsius lupalus*	leafhopper	Northeastern Morainal Natural Division	Entire range		GNR	S1		100				100			SI-N	Inc-SI	N	Inc-SI	N	N	N	N	N	N	N	N	N	N/A	N	N	U	U	U	U	U	U	U	MV	Mod		Almost no species information in NatureServe. MV 70%, PS 30%	Sarah	18-Oct-10
Invert-Insect	*Petrophora subaequaria*	Northern petrophora	Grand Prairie Natural Division	East/west edge of range		G4G5		100				100				N	GI	N	U	U	U	U	U	U	U	U	U	U	N/A	U	U	U	U	U	U	U	U	U	IE	—-		No species information in NatureServe. Species not known to occur in IL.	Sarah	18-Oct-10
Invert-Insect	*Poanes viator*	Broad-winged skipper	Grand Prairie Natural Division	Center of range		G5	SU	100				100				N	GI	N	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	HV	Mod		HV 75%, MV 25%	Sarah	18-Oct-10
Invert-Insect	*Poanes viator*	Broad-winged skipper	Northeastern Morainal Natural Division	Center of range		G5	SU	100				100				N	Inc	N	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	MV	Mod		PS 100%	Sarah	18-Oct-10
Invert-Insect	*Problema byssus*	Byssus skipper	Grand Prairie Natural Division	Center of range		G3G4	S3	100				100				N	GI	N	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	HV	Mod		HV 75%, MV 25%	Sarah	18-Oct-10
Invert-Insect	*Problema byssus*	Byssus skipper	Illinois/Mississippi River Sand Areas	Center of range		G3G4	S3	100				100				Inc-SI-N	Inc	N-SD	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	MV	Low		EV 5%, HV 25%, MV 30%, PS 20%	Sarah	18-Oct-10
Invert-Insect	*Problema byssus*	Byssus skipper	Middle Mississippi River Border	Center of range		G3G4	S3	100				100				N	Inc-SI	N	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	MV	Low		HV 10%, MV 40%, PS 50%	Sarah	18-Oct-10
Invert-Insect	*Problema byssus*	Byssus skipper	Northeastern Morainal Natural Division	Center of range		G3G4	S3		100				100			N	Inc	N	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	PS	Low		MV 50%, PS 50%	Sarah	18-Oct-10
Invert-Insect	*Problema byssus*	Byssus skipper	Ozarks Natural Division	Center of range		G3G4	S3		100		100					Inc-SI-N	SI-N	N	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	MV	Low		HV 5%, MV 45%, PS 50%	Sarah	18-Oct-10
Invert-Insect	*Problema byssus*	Byssus skipper	Shawnee Hills Natural Division	Center of range		G3G4	S3		100		100					N	N	N	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	PS	VH		PS 100%	Sarah	18-Oct-10
Invert-Insect	*Problema byssus*	Byssus skipper	Western Forest-Prairie Natural Division	Center of range		G3G4	S3	100				100				N	Inc	SI-N	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	MV	Low		HV 50%, MV 40%, PS 10%	Sarah	18-Oct-10
Invert-Insect	*Satyrium edwardsii*	Edwards Hairstreak	Illinois/Mississippi River Sand Areas Natural Division	Center of range		G4	S1S3	100				100				Inc-SI-N	Inc	N-SD	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	MV	Low		HV 30%, MV 35%, PS 35%	Sarah	18-Oct-10
Invert-Insect	*Satyrium edwardsii*	Edwards Hairstreak	Northeastern Morainal Natural Division	Center of range		G4	S1S3		100				100			N	Inc	N	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	PS	Low		MV 50%, PS 50%	Sarah	18-Oct-10
Invert-Insect	*Satyrium edwardsii*	Edwards Hairstreak	Ozarks Natural Division	Center of range		G4	S1S3		100		100					Inc-SI-N	SI-N	N	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	MV	Low		HV 5%, MV 45%, PS 50%	Sarah	18-Oct-10
Invert-Insect	*Satyrium edwardsii*	Edwards Hairstreak	Southern Till Plain Natural Division	Center of range		G4	S1S3		100			100				N	Inc	SI-N	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	MV	Mod		MV 75%, PS 25%	Sarah	18-Oct-10
Invert-Insect	*Satyrium edwardsii*	Edwards Hairstreak	Western Forest-Prairie Natural Division	Center of range		G4	S1S3	100				100				N	Inc	SI-N	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	MV	Low		HV 50%, MV 40%, PS 10%	Sarah	18-Oct-10
Invert-Insect	*Schinia jaguarina*	jaguar flower moth	Grand Prairie Natural Division	Northern edge of range		G4	S1	100				100				N	GI	N	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	HV	Mod	Species may expand range in assessment area.	NatureServe shows species not present in IL. HV 75%, MV 25%	Sarah	18-Oct-10
Invert-Insect	*Schinia lucens*	leadplant flower moth	Grand Prairie Natural Division	East/west edge of range		G4	SNR	100				100				N	GI	N	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	HV	Mod		HV 75%, MV 25%	Sarah	18-Oct-10
Invert-Insect	*Schinia lucens*	leadplant flower moth	Illinois/Mississippi River Sand Areas Natural Division	East/west edge of range		G4	SNR	100				100				Inc-SI-N	Inc	N-SD	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	MV	Low		EV 5%, HV 45%, MV 30%, PS 20%	Sarah	18-Oct-10
Invert-Insect	*Schinia lucens*	leadplant flower moth	Northeastern Morainal Natural Division	East/west edge of range		G4	SNR		100				100			N	Inc	N	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	PS	Low		MV 50%, PS 50%	Sarah	18-Oct-10
Invert-Insect	*Somatochlora hineana*	Hine's emerald dragonfly	Northeastern Morainal Natural Division	East/west edge of range		G2G3	S1		100				100			N	Inc	N	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	PS	Low		MV 50%, PS 50%	Sarah	18-Oct-10
Invert-Insect	*Speyeria aphrodite*	aphrodite fritillary	Northeastern Morainal Natural Division	Center of range		G5	SU		100				100			N	Inc	N	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	PS	Low		MV 50%, PS 50%	Sarah	18-Oct-10
Invert-Insect	*Speyeria aphrodite*	aphrodite fritillary	Rock River Hill Country Natural Division	Center of range		G5	SU	100				100				N	Inc	SI-N	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	MV	Mod		HV 10%, MV 80%, PS 10%	Sarah	18-Oct-10
Invert-Insect	*Speyeria aphrodite*	aphrodite fritillary	Western Forest-Prairie Natural Division	Center of range		G5	SU	100				100				N	Inc	SI-N	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	MV	Low		HV 50%, MV 40%, PS 10%	Sarah	18-Oct-10
Invert-Insect	*Speyeria aphrodite*	aphrodite fritillary	Wisconsin Driftless Area Natural Division	Center of range		G5	SU		100				100			N	SI-N	SI-N	SI-N	N	N	N	N	N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	PS	Mod		MV 30%, PS 70%	Sarah	18-Oct-10
Invert-Insect	*Speyeria idalia*	regal fritillary	Illinois/Mississippi River Sand Areas Natural Division	Center of range		G3	S2	100				100				Inc-SI-N	Inc	N-SD	N	N	N	N	N	N	N	N	N	Inc-SI	N/A	N	N	U	U	U	U	U	U	U	HV	Low		EV 5%, HV 60%, MV 30%, PS 5%	Sarah	18-Oct-10

								Temperature Scope		Hamon AET:PET Moisture Metric Scope						Natl barriers	Anth barriers	CC mitigation	Dispersal/Movement	historical thermal niche	physiological thermal niche	historical hydrological niche	physiological hydrological niche	Disturbance	Ice/snow	Phys habitat	Other spp for hab	Diet	Pollinators	Other spp disp	Other spp interaction	Genetic var	Gen bottleneck	Phenol response	Doc response	Modeled change	Modeled overlap	Protected Areas						
Taxonomic Group	Species	English Name	Geographic Area	Range Rel.	Cave/GW	GRank	SRank	A >5.5F	A 5.1F	< -0.119	-0.119	-0.096	-0.073	-0.05	>-0.028	B2a	B2b	B3	C1	C2ai	C2aii	C2bi	C2bii	C2c	C2d	C3	C4a	C4b	C4c	C4d	C4e	C5a	C5b	C6	D1	D2	D3	D4	Index	Conf.	Index Notes	Assessment Notes	Assessor	Date Pasted
Invert-Insect	*Speyeria idalia*	regal fritillary	Northeastern Morainal Natural Division	Center of range		G3	S2		100				100			N	Inc	N	N	N	N	N	N	N	N	N	N	Inc-SI	N/A	N	N	U	U	U	U	U	U	U	MV	Mod		MV 80%, PS 20%	Sarah	18-Oct-10
Invert-Insect	*Speyeria idalia*	regal fritillary	Rock River Hill Country Natural Division	Center of range		G3	S2	100					100			N	Inc	SI-N	N	N	N	N	N	N	N	N	N	Inc-SI	N/A	N	N	U	U	U	U	U	U	U	MV	Mod		HV 25%, MV 75%	Sarah	18-Oct-10
Invert-Insect	*Speyeria idalia*	regal fritillary	Western Forest-Prairie Natural Division	Center of range		G3	S2	100				100				N	Inc	SI-N	N	N	N	N	N	N	N	N	N	Inc-SI	N/A	N	N	U	U	U	U	U	U	U	HV	Mod		HV 75%, MV 25%	Sarah	18-Oct-10
Invert-Insect	*Speyeria idalia*	regal fritillary	Wisconsin Driftless Area Natural Division	Center of range		G3	S2		100			100				N	SI-N	SI-N	N	N	N	N	N	N	N	N	N	Inc-SI	N/A	N	N	U	U	U	U	U	U	U	PS	Low		MV 50%, PS 50%	Sarah	18-Oct-10
Fish	*Ammocrypta pellucida*	eastern sand darter	Embarras	East/west edge of range		4	1	100	0		100	0	0			SI-N	Inc-SI	SI	SI-N	N	N	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	HV	Mod		10% EV, 60% HV, 20% MV, 10 % PS	Jeff Walk	30-Aug-10
Fish	*Ammocrypta pellucida*	eastern sand darter	Wabash	East/west edge of range		4	1	100	0		0	100	0			SI-N	SI	SI	SI-N	N	N	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Low		50% HV, 40% MV, 10% PS	Jeff Walk	30-Aug-10
Fish	*Anguilla rostrata*	American eel	Big Muddy Watershed	Center of range		G4	S2		100		100					N	Inc-SI	SI	Dec	N	N	N	N-SD	N	N	N	N	SD	N/A	N	N	U	U	U	U	U	U	U	PS	Mod		PS 80% IL 20%	Sarah	1-Sep-10
Fish	*Anguilla rostrata*	American eel	Illinois Watershed	Center of range		G4	S2	100				100				N	Inc	N-SD	Dec	N	N	N	N-SD	N	N	N	N	SD	N/A	N	N	U	U	U	U	U	U	U	IL	Mod		PS 20% IL 80%	Sarah	1-Sep-10
Fish	*Anguilla rostrata*	American eel	Little Wabash Watershed	Center of range		G4	S2		100			100				N	Inc-SI	SI	Dec	N	N	N	N-SD	N	N	N	N	SD	N/A	N	N	U	U	U	U	U	U	U	PS	Mod		PS 70% IL 30%	Sarah	1-Sep-10
Fish	*Anguilla rostrata*	American eel	Mississippi Watershed	Center of range		G4	S2	100				100				Inc-SI	Inc-SI	N-SD	Dec	N	N	N	N-SD	N	N	N	N	SD	N/A	N	N	U	U	U	U	U	U	U	PS	Mod		PS 70% IL 30%	Sarah	1-Sep-10
Fish	*Anguilla rostrata*	American eel	Sangamon Watershed	Center of range		G4	S2	100				100				N	Inc-SI	SI	Dec	N	N	N	N-SD	N	N	N	N	SD	N/A	N	N	U	U	U	U	U	U	U	PS	Mod		PS 70% IL 30%	Sarah	1-Sep-10
Fish	*Anguilla rostrata*	American eel	Wabash (Vermillion) Watershed	Center of range		G4	S2	100				100				N	SI	N-SD	Dec	N	N	N	N-SD	N	N	N	N	SD	N/A	N	N	U	U	U	U	U	U	U	IL	VH		IL 100%	Sarah	1-Sep-10
Fish	*Campostoma oligolepis*	largescale stoneroller	Fox Watershed	Center of range		G5	S2S3		100				100			N	SI	SI-N	SI-N	N	SI-N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	Mod		MV 30%, PS 70%	Sarah	23-Jul-10
Fish	*Campostoma oligolepis*	largescale stoneroller	Illinois Watershed	Center of range		G5	S2S3	100				100				N	Inc	N-SD	SI-N	N	SI-N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	Mod		HV 5%, MV 25%, PS 70%	Sarah	23-Jul-10
Fish	*Campostoma oligolepis*	largescale stoneroller	Mississippi Watershed	Center of range		G5	S2S3	100				100				N	Inc-SI	N-SD	SI-N	N	SI-N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	High		HV 5%, MV 15%, PS 80%	Sarah	23-Jul-10
Fish	*Campostoma oligolepis*	largescale stoneroller	Rock (Kishwaukee & Green) Watershed	Center of range		G5	S2S3	100					100			N	Inc-SI	SI	SI-N	N	SI-N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	MV	Mod		HV 10%, MV 60%, PS 30%	Sarah	23-Jul-10
Fish	*Centrarchus macropterus*	flier	Big Muddy	Northern edge of range		5	3	0	100		100	0				SI-N	Inc-SI	SI	N-SD	N	N	N	N	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Low	Species may expand range in assessment area.	50% MV, 50% PS	comp	30-Aug-10
Fish	*Centrarchus macropterus*	flier	Kaskaskia Watershed	Northern edge of range		G5	S3	100				100				Inc-SI	GI-Inc	SI	N-SD	N	N	N	N	SI	N	N-SD	N	SD	N/A	N	N	U	U	U	U	U	U	U	HV	Low	Species may expand range in assessment area.	EV 5%, HV 60%, MV 20%, PS 5%	comp	20-Jul-10
Fish	*Centrarchus macropterus*	flier	Ohio (Cache) Watershed	Northern edge of range		G5	S3		100			100				Inc-SI	Inc-SI	SD	N-SD	N	N	N	N	SI	N	N-SD	N	SD	N/A	N	N	U	U	U	U	U	U	U	PS	High	Species may expand range in assessment area.	MV 5%, PS 95%	comp	20-Jul-10
Fish	*Centrarchus macropterus*	flier	Saline Watershed	Northern edge of range		G5	S3		100		100					Inc-SI	SI	SI	N-SD	N	N	N	N	SI	N	N-SD	N	SD	N/A	N	N	U	U	U	U	U	U	U	MV	Low	Species may expand range in assessment area.	MV 55%, PS 45%	comp	20-Jul-10
Fish	*Cottus bairdii*	mottled sculpin	Fox	Center of range		5	2	0	100		0	0	100			Inc-SI	SI	SI-N	SI-N	N	Inc-SI	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	HV	Mod		20% EV, 60% HV, 20% MV	Jeff Walk	30-Aug-10
Fish	*Cottus bairdii*	mottled sculpin	Lake Michigan, Chicago, DesPlaines	Center of range		5	2	0	100		0	0	100			Inc-SI	GI-Inc	SI-N	SI-N	N	Inc-SI	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	EV	Low		60% EV, 40% HV	Jeff Walk	30-Aug-10
Fish	*Cottus bairdii*	mottled sculpin	Rock	Center of range		5	2	100	0		0	0	100			Inc-SI	Inc-SI	SI	SI-N	N	Inc-SI	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	EV	High		80% EV, 20% HV	Jeff Walk	30-Aug-10
Fish	*Culaea inconstans*	brook stickleback	Fox Watershed	Southern edge of range		G5	S2S3		100				100			GI	SI	SI-N	SI-N	N	SI	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	HV	High		HV 90%, MV 10%	Sarah	1-Sep-10
Fish	*Culaea inconstans*	brook stickleback	Lake Michigan, Chicago-Calumet, DesPlaines Watersheds	Southern edge of range		G5	S2S3		100				100			GI	GI-Inc	SI-N	SI-N	N	SI	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	HV	Mod		EV 30%, HV 70%	Sarah	1-Sep-10
Fish	*Culaea inconstans*	brook stickleback	Rock, Kishwaukee, and Green Watersheds	Southern edge of range		G5	S2S3		100				100			GI	Inc-SI	SI	SI-N	N	SI	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	HV	High		EV 15%, HV 85%	Sarah	1-Sep-10
Fish	*Erimyzon sucetta*	lake chubsucker	Fox Watershed	East/west edge of range		G5	S2S3		100				100			N	SI	SI-N	SI-N	N	N	N	N	N-SD	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	VH		MV 5%, PS 95%	Sarah	23-Jul-10
Fish	*Erimyzon sucetta*	lake chubsucker	Illinois Watershed	East/west edge of range		G5	S2S3	100				100				N	Inc	N-SD	SI-N	N	N	N	N	N-SD	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	VH		MV 5%, PS 95%	Sarah	23-Jul-10
Fish	*Erimyzon sucetta*	lake chubsucker	Kankakee (Iroquois) Watershed	East/west edge of range		G5	S2S3	100				100				N	SI	SI	SI-N	N	N	N	N	N-SD	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	High		MV 10%, PS 90%	Sarah	23-Jul-10
Fish	*Erimyzon sucetta*	lake chubsucker	Sangamon Watershed	East/west edge of range		G5	S2S3	100				100				N	Inc-SI	SI	SI-N	N	N	N	N	N-SD	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	Mod		HV 5%, MV 20%, PS 75%	Sarah	23-Jul-10
Fish	*Etheostoma exile*	Iowa darter	Fox Watershed	Southern edge of range		G5	S2		100				100			GI-Inc	SI	SI-N	SI-N	N-SD	N	N	N	SI	N	N-SD	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	MV	Mod		HV 10%, MV 60%, PS 30%	comp	20-Jul-10
Fish	*Etheostoma exile*	Iowa darter	Lake Michigan, Chicago-Calumet, Des Plaines Watersheds	Southern edge of range		G5	S2		100			100				GI-Inc	GI-Inc-S	SI-N	SI-N	N-SD	N	N	N	SI	N	N-SD	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	HV	Low		EV 15%, HV, 50%, MV 30%, PS 5%	comp	20-Jul-10
Fish	*Etheostoma exile*	Iowa darter	Rock	Southern edge of range		5	2	0	100		0	0	100			SI-N	Inc-SI	SI	SI-N	N	Inc	N	SI	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	HV	Mod	Species range may shift and perhaps leave the assessment area.	10 % EV, 80% HV, 10% MV	comp	30-Aug-10
Fish	*Etheostoma exile*	Iowa darter	Wabash	Southern edge of range		5	2	100	0		0	100				SI-N	SI	SI-N	SI-N	N	Inc	N	SI	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	HV	Low	Species range may shift and perhaps leave the assessment area.	50 % EV, 50% HV	comp	30-Aug-10
Fish	*Fundulus dispar*	starhead topminnow	Fox	Center of range		4	2	0	100		0	0	100			SI-N	SI	SI-N	SI-N	N	N	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Mod		70% MV, 30% PS	Jeff Walk	30-Aug-10
Fish	*Fundulus dispar*	starhead topminnow	Kankakee	Center of range		4	2	100	0		0	100	0			SI-N	SI	SI	SI-N	N	N	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Low		50% HV, 40% MV, 10% PS	Jeff Walk	30-Aug-10
Fish	*Hybopsis amnis*	pallid shiner	Kankakee (Iroquois) Watershed	East/west edge of range		G4	S1	100				100				N	SI	SI	SI-N	N	N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	Mod		MV 25%, PS 75%	Sarah	1-Sep-10
Fish	*Hybopsis amnis*	pallid shiner	Mississippi Watershed	East/west edge of range		G4	S1	100				100				N	Inc-SI	N-SD	SI-N	N	N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	VH		MV 5%, PS 95%	Sarah	1-Sep-10
Fish	*Hybopsis amnis*	pallid shiner	Sangamon Watershed	East/west edge of range		G4	S1	100				100				N	Inc-SI	SI	SI-N	N	N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	MV	Low		HV 10%, MV 40%, PS 50%	Sarah	1-Sep-10
Fish	*Lampetra appendix*	American brook lamprey	Embarras Watershed	Center of range		G4	S2	100				100				GI	Inc-SI	SI	N-SD	N	SI	N	N	SI-N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	EV	VH		EV 90%, HV 10%	Sarah	23-Jul-10
Fish	*Lampetra appendix*	American brook lamprey	Rock (Kishwaukee & Green) Watershed	Center of range		G4	S2	100					100			GI	Inc-SI	SI	N-SD	N	SI	N	N	SI-N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	EV	VH		EV 90%, HV 10%	Sarah	23-Jul-10
Fish	*Lampetra appendix*	American brook lamprey	Sangamon Watershed	Center of range		G4	S2	100				100				GI	Inc-SI	SI	N-SD	N	SI	N	N	SI-N	N	N	N	SI-N	N/A	N	N	U	U	U	U	U	U	U	EV	VH		EV 90%, HV 10%	Sarah	23-Jul-10
Fish	*Micropterus punctulatus*	spotted bass	Embarras	Northern edge of range		5	3	100	0		0	100				SI-N	Inc-SI	SI	N	N	N	N	N	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Low	Species may expand range in assessment area.	25 % HV, 50% MV, 25% PS	comp	30-Aug-10

								Temperature Scope		Hamon AET:PET Moisture Metric Scope						Natl barriers	Anth barriers	CC mitigation	Dispersal/Movement	historical thermal niche	physiological thermal niche	historical hydrological niche	physiological hydrological niche	Disturbance	Ice/snow	Phys habitat	Other spp for hab	Diet	Pollinators	Other spp disp	Other spp interaction	Genetic var	Gen bottleneck	Phenol response	Doc response	Modeled change	Modeled overlap	Protected Areas						
Taxonomic Group	Species	English Name	Geographic Area	Range Rel.	Cave/GW	GRank	SRank	A >5.5F	A 5.1F	< -0.119	-0.119	-0.096	-0.073	-0.05	>-0.028	B2a	B2b	B3	C1	C2ai	C2aii	C2bi	C2bii	C2c	C2d	C3	C4a	C4b	C4c	C4d	C4e	C5a	C5b	C6	D1	D2	D3	D4	Index	Conf.	Index Notes	Assessment Notes	Assessor	Date Pasted
Fish	*Micropterus punctulatus*	spotted bass	Little Wabash	Northern edge of range		5	3	0	100		0	100				SI-N	Inc-SI	SI	N	N	N	N	N	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Mod	Species may expand range in assessment area.	75% MV, 25% PS	comp	30-Aug-10
Fish	*Micropterus punctulatus*	spotted bass	Ohio-Cache	Northern edge of range		5	3	0	100		0	100				SI-N	Inc-SI	SI	N	N	N	N	N	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Mod	Species may expand range in assessment area.	75% MV, 25% PS	comp	30-Aug-10
Fish	*Micropterus punctulatus*	spotted bass	Wabash	Northern edge of range		5	3	100	0		0	100				SI-N	SI	SI-N	N	N	N	N	N	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Low	Species may expand range in assessment area.	40% MV, 60% PS	comp	30-Aug-10
Fish	*Moxostoma carinatum*	river redhorse	Kankakee	Center of range		4	2	100	0		0	100	0			SI-N	SI	SI	N-SD	N	N	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Low		10% HV, 40% MV, 50% PS	Jeff Walk	30-Aug-10
Fish	*Moxostoma carinatum*	river redhorse	Vermilion (IL)	Center of range		4	2	100	0		0	100	0			SI-N	SI	SI	N-SD	N	N	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Low		10% HV, 40% MV, 50% PS	Jeff Walk	30-Aug-10
Fish	*Moxostoma carinatum*	river redhorse	Wabash	Center of range		4	2	100	0		0	100	0			SI-N	SI	N-SD	N-SD	N	N	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH		10% MV, 90% PS	Jeff Walk	30-Aug-10
Fish	*Moxostoma valenciennesi*	greater redhorse	Fox Watershed	Southern edge of range		G4	S1S2		100				100			N	SI	SI-N	N-SD	N	N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	VH	Species range may shift and perhaps leave the assessment area.	PS 100%	Sarah	1-Sep-10
Fish	*Moxostoma valenciennesi*	greater redhorse	Illinois Watershed	Southern edge of range		G4	S1S2	100				100				N	Inc	SI-N	N-SD	N	N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	High		MV 15%, PS 85%	Sarah	1-Sep-10
Fish	*Moxostoma valenciennesi*	greater redhorse	Vermillion (Illinois) Watershed	Southern edge of range		G4	S1S2	100				100				N	SI	SI	N-SD	N	N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	VH	Species range may shift and perhaps leave the assessment area.	PS 100%	Sarah	1-Sep-10
Fish	*Notropis chalybaeus*	ironcolor shiner	Kankakee (Iroquois) Watershed	Northern edge of range		G4	S2	100				100				GI	SI	SI	N	N	SI	N	N	SI	N	N	N	N	N/A	N	N	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	23-Jul-10
Fish	*Notropis chalybaeus*	ironcolor shiner	Sangamon Watershed	Northern edge of range		G4	S2	100				100				GI	Inc-SI	SI	N	N	SI	N	N	SI	N	N	N	N	N/A	N	N	U	U	U	U	U	U	U	EV	VH		EV 100%	Sarah	23-Jul-10
Fish	*Notropis rubellus*	rosyface shiner	Fox	East/west edge of range		5		0	100		0	0	100			SI-N	SI	SI-N	SI-N	N	N	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Mod		65% MV, 35% PS	comp	30-Aug-10
Fish	*Notropis rubellus*	rosyface shiner	Illinois	East/west edge of range		5		100	0		0	100	0			SI-N	Inc	N-SD	SI-N	N	N	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Low		30 % HV, 40% MV, 30% PS	comp	30-Aug-10
Fish	*Notropis rubellus*	rosyface shiner	Kakakee	East/west edge of range		5		100	0		0	100	0			SI-N	SI	SI	SI-N	N	N	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Low		50 % HV, 40% MV, 10% PS	comp	30-Aug-10
Fish	*Notropis rubellus*	rosyface shiner	Mackinaw Watershed	East/west edge of range		G5		100				100				SI-N	SI	SI	SI-N	N	N	N	N	SI-N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	MV	Low		HV 30%, MV 40%, PS 30%	comp	20-Jul-10
Fish	*Notropis rubellus*	rosyface shiner	Mississippi	East/west edge of range		5		100	0		0	100	0			SI-N	Inc-SI	N-SD	SI-N	N	N	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Low		20 % HV, 30% MV, 50% PS	comp	30-Aug-10
Fish	*Notropis rubellus*	rosyface shiner	Rock (Kishwaukee & Green) Watershed	East/west edge of range		G5		100					100			SI-N	Inc-SI	SI	SI-N	N	N	N	N	SI-N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	MV	Mod		HV 20%, MV 60%, PS 20%	comp	20-Jul-10
Fish	*Notropis rubellus*	rosyface shiner	Vermillion (Illinois) Watershed	East/west edge of range		G5		100				100				SI-N	SI	SI	SI-N	N	N	N	N	SI-N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	MV	Low		HV 30%, MV 40%, PS 30%	comp	20-Jul-10
Fish	*Notropis rubellus*	rosyface shiner	Wabash	East/west edge of range		5		100	0		0	100	0			SI-N	SI	N-SD	SI-N	N	N	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod		10% HV, 20% MV, 70% PS	comp	30-Aug-10
Fish	*Notropis texanus*	weed shiner	Kankakee	Center of range		5	1	100	0		0	100	0			Inc-SI-N	SI	SI	SI-N	N	Inc-SI	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	EV	Low		50% EV, 45% MV, 5% PS	Jeff Walk	30-Aug-10
Fish	*Notropis texanus*	weed shiner	Rock	Center of range		5	1	0	100		0	0	100			Inc-SI-N	Inc-SI	SI	SI-N	N	Inc-SI	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	HV	Low		30% EV, 60% MV, 10% PS	Jeff Walk	30-Aug-10
Fish	*Opsopoeodus emiliae*	pugnose minnow	Big Muddy Watershed	East/west edge of range		G5	S2S3		100		100					N	Inc-SI	SI	SI-N	N	N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	MV	Low		MV 55%, PS 45%	Sarah	1-Sep-10
Fish	*Opsopoeodus emiliae*	pugnose minnow	Fox Watershed	East/west edge of range		G5	S2S3		100				100			N	SI	SI-N	SI-N	N	N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	High		MV 15%, PS 85%	Sarah	1-Sep-10
Fish	*Opsopoeodus emiliae*	pugnose minnow	Illinois Watershed	East/west edge of range		G5	S2S3	100				100				N	Inc	SI-N	SI-N	N	N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	MV	Low		HV 10%, MV 40%, PS 50%	Sarah	1-Sep-10
Fish	*Opsopoeodus emiliae*	pugnose minnow	Kankakee (Iroquois) Watershed	East/west edge of range		G5	S2S3	100				100				N	SI	SI-N	SI-N	N	N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	High		MV 15%, PS 85%	Sarah	1-Sep-10
Fish	*Opsopoeodus emiliae*	pugnose minnow	Little Wabash	East/west edge of range		G5	S2S3		100			100				N	Inc-SI	SI	SI-N	N	N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	Low		MV 55%, PS 45%	Sarah	1-Sep-10
Fish	*Opsopoeodus emiliae*	pugnose minnow	Mississippi Watershed	East/west edge of range		G5	S2S3	100				100				N	Inc-SI	SI-N	SI-N	N	N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	Mod		HV 5%, MV 25%, PS 70%	Sarah	1-Sep-10
Fish	*Opsopoeodus emiliae*	pugnose minnow	Ohio (Cache) Watershed	East/west edge of range		G5	S2S3		100			100				N	Inc-SI	SD	SI-N	N	N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	VH		PS 100%	Sarah	1-Sep-10
Fish	*Opsopoeodus emiliae*	pugnose minnow	Wabash (Vermillion) Watershed	East/west edge of range		G5	S2S3	100				100				N	SI	N-SD	SI-N	N	N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	VH		PS 100%	Sarah	1-Sep-10
Fish	*Perca flavescens*	yellow perch	Fox Watershed	East/west edge of range		G5	S3		100				100			N	SI	SI-N	N-SD	N	N	N	N	N	N	N	N	N	N/A	N	N	U	U	U	U	U	U	U	PS	VH		PS 100%	Sarah	23-Jul-10
Fish	*Perca flavescens*	yellow perch	Illinois Watershed	East/west edge of range		G5	S3	100				100				N	Inc	N-SD	N-SD	N	N	N	N	N	N	N	N	N	N/A	N	N	U	U	U	U	U	U	U	PS	VH		PS 100%	Sarah	23-Jul-10
Fish	*Perca flavescens*	yellow perch	Lake Michigan, Chicago-Calumet, and Des Plaines Watershed	East/west edge of range		G5	S3		100				100			N	GI-Inc	SI-N	N-SD	N	N	N	N	N	N	N	N	N	N/A	N	N	U	U	U	U	U	U	U	PS	Low		MV 50%, PS 50%	Sarah	23-Jul-10
Fish	*Perca flavescens*	yellow perch	Mississippi Watershed	East/west edge of range		G5	S3	100				100				N	Inc-SI	N-SD	N-SD	N	N	N	N	N	N	N	N	N	N/A	N	N	U	U	U	U	U	U	U	PS	VH		PS 100%	Sarah	23-Jul-10
Fish	*Phoxinus erythrogaster*	southern redbelly dace	Illinois Watershed	Center of range		G5	S4S5	100				100				GI	Inc	N-SD	SI-N	N	N	N	N	SI-N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	HV	Mod		EV 30%, HV 60%, MV 10%	Sarah	20-Jul-10
Fish	*Phoxinus erythrogaster*	southern redbelly dace	Kankakee (Iroquois) Watershed	Center of range		G5	S4S5	100				100				GI	SI	SI	SI-N	N	N	N	N	SI-N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	HV	Low		EV 55%, HV 45%	comp	20-Jul-10
Fish	*Phoxinus erythrogaster*	southern redbelly dace	Kaskaskia Watershed	Center of range		G5	S4S5	100				100				GI	GI-Inc	SI	SI-N	N	N	N	N	SI-N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	EV	VH		EV 95%, HV 5%	comp	20-Jul-10
Fish	*Phoxinus erythrogaster*	southern redbelly dace	Mackinaw Watershed	Center of range		G5	S4S5	100				100				GI	SI	SI	SI-N	N	N	N	N	SI-N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	HV	Low		EV 50%, HV 50%	comp	20-Jul-10
Fish	*Phoxinus erythrogaster*	southern redbelly dace	Mississippi Watershed	Center of range		G5	S4S5	100				100				GI	Inc-SI	N-SD	SI-N	N	N	N	N	SI-N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	HV	Mod		EV 20%, HV 60%, MV 15%, PS 5%	Sarah	20-Jul-10
Fish	*Phoxinus erythrogaster*	southern redbelly dace	Rock (Kishwaukee & Green) Watershed	Center of range		G5	S4S5	100					100			GI	Inc-SI	SI	SI-N	N	N	N	N	SI-N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	HV	Mod		EV 30%, HV 60%, MV 10%	Sarah	20-Jul-10
Fish	*Phoxinus erythrogaster*	southern redbelly dace	Fox	Center of range		5	4	0	100		0	0	100			Inc-SI	SI	SI-N	SI-N	N	Inc	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	HV	Mod		30% EV, 60% HV. 10% MV	comp	30-Aug-10
Fish	*Phoxinus erythrogaster*	southern redbelly dace	LaMoine	Center of range		5	4	100	0		0	100	0			Inc-SI	N	SI	SI-N	N	Inc	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	EV	Low		45% EV, 55% HV	comp	30-Aug-10
Fish	*Phoxinus erythrogaster*	southern redbelly dace	Spoon	Center of range		5	4	100	0		0	100	0			Inc-SI	SI	SI	SI-N	N	Inc	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	EV	High		90% EV, 10% HV	Jeff Walk	30-Aug-10
Fish	*Phoxinus erythrogaster*	southern redbelly dace	Wabash	Center of range		5	4	100	0		0	100	0			Inc-SI	SI	N-SD	SI-N	N	Inc	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	HV	Mod		30% EV, 60% HV, 10% MV	Jeff Walk	30-Aug-10
Fish	*Polyodon spathula*	paddlefish	Illinois	Center of range		4	2	100	0		0	100	0			N	Inc	N-SD	Dec	N	N	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH		100% PS	Jeff Walk	30-Aug-10
Fish	*Polyodon spathula*	paddlefish	Mississippi	Center of range		4	2	100	0		0	100	0			N	Inc-SI	N-SD	Dec	N	N	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High		90% PS, 10% IL	Jeff Walk	30-Aug-10
Fish	*Polyodon spathula*	paddlefish	Wabash	Center of range		4	2	100	0		0	100	0			N	SI	N-SD	Dec	N	N	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod		75% PS, 25% IL	Jeff Walk	30-Aug-10
Fish	*Rhinichthys obtusus*	Western blacknose dace	Fox Watershed	Center of range		G5	S3		100				100			GI	SI	SI-N	SI-N	N	SI-N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	HV	Low		EV 50%, HV 50%	Sarah	1-Sep-10
Fish	*Rhinichthys obtusus*	Western blacknose dace	Illinois Watershed	Center of range		G5	S3	100				100				GI	Inc	N-SD	SI-N	N	SI-N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	HV	Mod		EV 30%, HV 65%, MV 5%	Sarah	1-Sep-10

								Temperature Scope		Hamon AET:PET Moisture Metric Scope						Natl barriers	Anth barriers	CC mitigation	Dispersal/Movement	historical thermal niche	physiological thermal niche	historical hydrological niche	physiological hydrological niche	Disturbance	Ice/snow	Phys habitat	Other spp for hab	Diet	Pollinators	Other spp disp	Other spp interaction	Genetic var	Gen bottleneck	Phenol response	Doc response	Modeled change	Modeled overlap	Protected Areas						
Taxonomic Group	Species	English Name	Geographic Area	Range Rel.	Cave/GW	GRank	SRank	A >5.5F	A 5.1F	< -0.119	-0.119	-0.096	-0.073	-0.05	>-0.028	B2a	B2b	B3	C1	C2ai	C2aii	C2bi	C2bii	C2c	C2d	C3	C4a	C4b	C4c	C4d	C4e	C5a	C5b	C6	D1	D2	D3	D4	Index	Conf.	Index Notes	Assessment Notes	Assessor	Date Pasted
Fish	*Rhinichthys obtusus*	Western blacknose dace	Kankakee (Iroquois) Watershed	Center of range		G5	S3	100				100				GI	SI	SI	SI-N	N	SI-N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	HV	Low		EV 45%, HV 55%	Sarah	1-Sep-10
Fish	*Rhinichthys obtusus*	Western blacknose dace	Mackinaw Watershed	Center of range		G5	S3	100				100				GI	SI	SI	SI-N	N	SI-N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	HV	Low		EV 55%, HV 45%	Sarah	1-Sep-10
Fish	*Rhinichthys obtusus*	Western blacknose dace	Mississippi Watershed	Center of range		G5	S3	100				100				GI	Inc-SI	N-SD	SI-N	N	SI-N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	HV	Mod		EV 20%, HV 60%, MV 15%, PS 5%	Sarah	1-Sep-10
Fish	*Rhinichthys obtusus*	Western blacknose dace	Rock (Kishwaukee and Green) Watershed	Center of range		G5	S3	100					100			GI	Inc-SI	SI	SI-N	N	SI-N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	EV	Low		EV 50%, HV 45%, MV 5%	Sarah	1-Sep-10
Fish	*Rhinichthys obtusus*	Western blacknose dace	Spoon Watershed	Center of range		G5	S3	100				100				GI	SI	SI	SI-N	N	SI-N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	HV	Low		EV 55%, HV 45%	Sarah	1-Sep-10
Fish	*Rhinichthys obtusus*	Western blacknose dace	Wabash (Vermillion) Watershed	Center of range		G5	S3	100				100				GI	SI	N-SD	SI-N	N	SI-N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	HV	Mod		EV 5%, HV 60%, MV 25%, PS 10%	Sarah	1-Sep-10
Fish	*Stizostedion vitreum*	walleye	Fox Watershed	Center of range		G5	S3		100				100			N	SI	SI-N	N-SD	N	N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	VH		PS 100%	Sarah	23-Jul-10
Fish	*Stizostedion vitreum*	walleye	Illinois Watershed	Center of range		G5	S3	100				100				N	Inc	N-SD	N-SD	N	N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	VH		PS 100%	Sarah	23-Jul-10
Fish	*Stizostedion vitreum*	walleye	Mississippi Watershed	Center of range		G5	S3	100				100				N	Inc-SI	N-SD	N-SD	N	N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	VH		PS 95%, IL 5%	Sarah	23-Jul-10
Fish	*Stizostedion vitreum*	walleye	Rock (Kishwaukee & Green) Watershed	Center of range		G5	S3	100					100			N	Inc-SI	SI	N-SD	N	N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	High		MV 15%, PS 85%	Sarah	23-Jul-10
Fish	*Stizostedion vitreum*	walleye	Wabash (Vermillion) Watershed	Center of range		G5	S3	100				100				N	SI	N-SD	N-SD	N	N	N	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	High		PS 85%, IL 15%	Sarah	23-Jul-10
Fish	*Umbra limi*	central mudminnow	Big Muddy Watershed	Southern edge of range		G5	S4		100		100					Inc	Inc-SI	SI	SI-N	N	N-SD	N	SI-N	Inc-SI	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	HV	Low		EV 30%, HV 60%, MV 10%	Sarah	20-Jul-10
Fish	*Umbra limi*	central mudminnow	Illinois Watershed	Southern edge of range		G5	S4	100				100				Inc	Inc	N-SD	SI-N	N	N-SD	N	SI-N	Inc-SI	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	HV	Low		EV 25%, HV 50%, MV 25%	Sarah	20-Jul-10
Fish	*Umbra limi*	central mudminnow	Kankakee (Iroquois) Watershed	Southern edge of range		G5	S4	100				100				Inc	SI	SI	SI-N	N	N-SD	N	SI-N	Inc-SI	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	HV	Low		EV 40%, HV 40%, MV 20%	Sarah	20-Jul-10
Fish	*Umbra limi*	central mudminnow	Lake Michigan, Chicago-Calumet, Des Plaines Watersheds	Southern edge of range		G5	S4		100				100			Inc	GI-Inc	SI-N	SI-N	N	N-SD	N	SI-N	Inc-SI	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	HV	Low		EV 25%, HV 55%, MV 20%	Sarah	20-Jul-10
Fish	*Umbra limi*	central mudminnow	Rock (Kishwaukee & Green) Watershed	Southern edge of range		G5	S4	100					100			Inc	Inc-SI	SI	SI-N	N	N-SD	N	SI-N	Inc-SI	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	HV	Low		EV 40%, HV 50%, MV 10%	Sarah	20-Jul-10
Fish	*Umbra limi*	central mudminnow	Big Muddy	Southern edge of range		5	4	0	100		100	0	0			SI-N	SI	SI-N	SI-N	N	N	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Mod	Species range may shift and perhaps leave the assessment area.	5% HV, 65% MV, 30 % PS	Jeff Walk	30-Aug-10
Fish	*Umbra limi*	central mudminnow	Fox	Southern edge of range		5	4	0	100		0	0	100			SI-N	SI	SI-N	SI-N	N	N	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Mod	Species range may shift and perhaps leave the assessment area.	70% MV, 30 % PS	Jeff Walk	30-Aug-10
Fish	*Umbra limi*	central mudminnow	Illinois	Southern edge of range		5	4	100	0		0	100	0			SI-N	Inc	N-SD	SI-N	N	N	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Low		30% HV, 40% MV, 30 % PS	Jeff Walk	30-Aug-10
Fish	*Umbra limi*	central mudminnow	Kankakee	Southern edge of range		5	4	100	0		0	100	0			SI-N	SI	SI	SI-N	N	N	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Low	Species range may shift and perhaps leave the assessment area.	50% HV, 40% MV, 10 % PS	Jeff Walk	30-Aug-10
Fish	*Umbra limi*	central mudminnow	Lake Michigan, Chicago, Calumet, DesPlaines	Southern edge of range		5	4	0	100		0	0	100			SI-N	GI-Inc	SI-N	SI-N	N	N	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	HV	Low		50% HV, 50% MV	Jeff Walk	30-Aug-10
Fish	*Umbra limi*	central mudminnow	Rock	Southern edge of range		5	4	100	0		0	0	100			SI-N	Inc-SI	SI	SI-N	N	N	N	N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Mod	Species range may shift and perhaps leave the assessment area.	30% HV, 60% MV, 10 % PS	Jeff Walk	30-Aug-10
Amphibian	*Ambystoma jeffersonianum*	Jefferson's salamander	Wabash Border	East/west edge of range		4	2	0	100		0	100				N	Inc	N	SI-N	N	N	SI-N	Inc	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	HV	Mod		70 hv, 30 mv	J Walk	18-Jan-11
Amphibian	*Ambystoma laterale*	blue-spotted salamander	Northeastern Morainal	Southern edge of range		5	3	0	100		0	0	100			N	Inc	SI-N-SD	SI-N	N	SI-N	N	Inc	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Low		35 hv, 60 mv, 5 ps	J Walk	18-Jan-11
Amphibian	*Ambystoma platineum*	silvery salamander	Wabash Border	Entire range				0	100		0	100				SI-N	Inc-SI	SI-N-SD	SI-N	N	SI-N	N	Inc	SI-N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	HV	Low	Species range may shift and perhaps leave the assessment area.	ev-40, hv - 45, mv - 15	Jwalk	14-Jan-11
Amphibian	*Ambystoma talpoideum*	mole salamander	Coastal Plain	Northern edge of range		5	3	0	100		0	100				N	SI	N	SI-N	N	N	N	Inc-SI	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Mod	Species may expand range in assessment area.	74 mv, 25 ps	J Walk	18-Jan-11
Amphibian	*Ambystoma talpoideum*	mole salamander	Lower Mississippi River Bottomlands	Northern edge of range		5	3	0	100		100	0				N	GI-Inc	N	SI-N	N	N	N	Inc-SI	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	HV	Low	Species may expand range in assessment area.	50 hv, 50 mv	J Walk	18-Jan-11
Amphibian	*Cryptobranchus alleganiensis*	hellbender	Coastal Plain	Northern edge of range		3	1		100			100	0			SI-N	SI	SI-N	SI-N	N	Inc-SI	N	Inc-SI-N	N	N	SI	N	N	N/A	N	N	U	N	U	U	U	U	U	HV	Low	Species may expand range in assessment area.	35% EV, 55% HV, 10% MV	Jeff Walk	17-Aug-10
Amphibian	*Cryptobranchus alleganiensis*	hellbender	Shawnee Hills	Northern edge of range		3	1		100		100	0	0			SI-N	N	N	SI-N	N	Inc-SI	N	Inc-SI-N	N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Low	Species may expand range in assessment area.	30% HV, 55% MV, 15% PS	Jeff Walk	17-Aug-10
Amphibian	*Cryptobranchus alleganiensis*	hellbender	Wabash Border	Northern edge of range		3	1		100		0	100	0			SI-N	SI	N	SI-N	N	Inc-SI	N	Inc-SI-N	N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	HV	Low	Species may expand range in assessment area.	15 % EV, 50% HV, 35% MV	Jeff Walk	17-Aug-10
Amphibian	*Desmognathus conanti*	spotted dusky salamander	Coastal Plain	Northern edge of range		5	2	0	100		0	100				SI-N	SI	N-SD	SI-N	N	Inc-SI	N-SD	Inc-SI	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Low	Species may expand range in assessment area.	hv - 35, mv - 55, ps - 10	J Walk	14-Jan-11
Amphibian	*Gastrophryne carolinensis*	eastern narrowmouth toad	Coastal Plain	Northern edge of range		5	2	0	100		0	100				N	SI	N	N	N	N	N	Inc-SI	N	N	N-SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod	Species may expand range in assessment area.	25 mv, 75 ps	J Walk	18-Jan-11
Amphibian	*Gastrophryne carolinensis*	eastern narrowmouth toad	Lower Mississippi River Bottomlands	Northern edge of range		5	2	0	100		100	0				N	GI-Inc	N	N	N	N	N	Inc-SI	N	N	N-SD	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Mod	Species may expand range in assessment area.	15 hv, 75 mv, 10 ps	J Walk	18-Jan-11
Amphibian	*Hemidactylium scutatum*	four-toed salamander	Wabash Border	East/west edge of range		5	2	0	100		0	100				N	Inc	N	SI-N	N	N	N-SD	Inc-SI	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Mod			J Walk	14-Jan-11
Amphibian	*Hemidactylium scutatum*	four-toed salamander	Wisconsin Driftless	East/west edge of range		5	2	0	100		0	0	100			N	SI-N	SI-N-SD	SI-N	N	N	N-SD	Inc-SI	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High			J Walk	14-Jan-11
Amphibian	*Hyla avivoca*	bird-voiced tree frog	Coastal Plain	Northern edge of range		5	3		100		0	100	0			N	SI	N	N	N	N-SD	N-SD	Inc-SI	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High	Species may expand range in assessment area.	10% MV, 90% PS	Jeff Walk	17-Aug-10
Amphibian	*Hyla avivoca*	bird-voiced tree frog	Lower Mississippi River Bottomlands	Northern edge of range		5	3		100		100	0	0			N	GI-Inc	SI-N	N	N	N-SD	N-SD	Inc-SI	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Mod	Species may expand range in assessment area.	20% HV, 60% MV, 20% PS	Jeff Walk	17-Aug-10
amphibian	*Necturus maculosus*	mudpuppy	Coastal Plain	Center of range		5	5	0	100		0	100	0			N	SI	N-SD	N	N	N	N	SI-N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH		PS-100	Aaron lange	6-Jul-10
amphibian	*Necturus maculosus*	mudpuppy	Grand Prairie	Center of range		5	5	100	0		0	100	0			N	SI	N-SD	N	N	N	N	SI-N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High		MV-15, PS-85	Aaron lange	6-Jul-10
amphibian	*Necturus maculosus*	mudpuppy	Il/Miss River Sand Areas	Center of range		5	5	100	0		0	100	0			Inc-SI-N	SI-N	SI	N	N	N	N	SI-N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod		MV-30, PS-70	Aaron lange	6-Jul-10
amphibian	*Necturus maculosus*	mudpuppy	Lower Miss River bottoms	Center of range		5	5	0	100		100	0	0			N	GI-Inc	SI	N	N	N	N	SI-N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Mod		MV-75, PS-25	Aaron lange	6-Jul-10
amphibian	*Necturus maculosus*	mudpuppy	Middle Miss border	Center of range		5	5	100	0		0	100	0			N	Inc-SI	SI-N	N	N	N	N	SI-N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High		MV-10, PS-90	Aaron lange	6-Jul-10

								Temperature Scope		Hamon AET:PET Moisture Metric Scope						Natl barriers	Anth barriers	CC mitigation	Dispersal/Movement	historical thermal niche	physiological thermal niche	historical hydrological niche	physiological hydrological niche	Disturbance	Ice/snow	Phys habitat	Other spp for hab	Diet	Pollinators	Other spp disp	Other spp interaction	Genetic var	Gen bottleneck	Phenol response	Doc response	Modeled change	Modeled overlap	Protected Areas						
Taxonomic Group	Species	English Name	Geographic Area	Range Rel.	Cave/GW	GRank	SRank	A >5.5F	A 5.1F	< -0.119	-0.119	-0.096	-0.073	-0.05	>-0.028	B2a	B2b	B3	C1	C2ai	C2aii	C2bi	C2bii	C2c	C2d	C3	C4a	C4b	C4c	C4d	C4e	C5a	C5b	C6	D1	D2	D3	D4	Index	Conf.	Index Notes	Assessment Notes	Assessor	Date Pasted
amphibian	*Necturus maculosus*	mudpuppy	Northeastern Morainal	Center of range		5	5	0	100		0		100			N	Inc-SI	SI-N	N	N	N	N	SI-N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH		PS-100	Aaron lange	6-Jul-10
amphibian	*Necturus maculosus*	mudpuppy	Ozarks	Center of range		5	5	0	100		100		0			Inc-SI-N	SI-N	N	N	N	N	N	SI-N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH		MV-10, PS-90	Aaron lange	6-Jul-10
amphibian	*Necturus maculosus*	mudpuppy	Rock River Hills	Center of range		5	5	100	0		0		100			Inc	SI	N	N	N	N	N	SI-N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Low		MV-50, PS-50	Aaron lange	6-Jul-10
amphibian	*Necturus maculosus*	mudpuppy	Shawnee Hills	Center of range		5	5	0	100		100		0			Inc	N	N	N	N	N	N	SI-N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH		PS-100	Aaron lange	6-Jul-10
amphibian	*Necturus maculosus*	mudpuppy	Southern Till Plain	Center of range		5	5	0	100			100	0			Inc	Inc-SI	N	N	N	N	N	SI-N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Mod		MV-75, PS-25	Aaron lange	6-Jul-10
amphibian	*Necturus maculosus*	mudpuppy	Upper Miss/IL River Bottoms	Center of range		5	5	100	0			100	0			SI	Inc-SI	N	N	N	N	N	SI-N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod		MV-25, PS-75	Aaron lange	6-Jul-10
amphibian	*Necturus maculosus*	mudpuppy	Wabash Border	Center of range		5	5	0	100			100	0			Inc	SI	N	N	N	N	N	SI-N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Low		MV-55, PS-45	Aaron lange	6-Jul-10
amphibian	*Necturus maculosus*	mudpuppy	Western prairie forest Border	Center of range		5	5	100	0			100	0			Inc	SI-N	N	N	N	N	N	SI-N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod		MV-25, PS-75	Aaron lange	6-Jul-10
amphibian	*Necturus maculosus*	mudpuppy	Wisconsin Driftless	Center of range		5	5		100				100			Inc	N	N	N	N	N	N	SI-N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH		PS-100	Aaron lange	6-Jul-10
Amphibian	*Pseudacris streckeri illinoensis*	Illinois chorus frog	Illinois/Mississippi River Sand Areas	Northern edge of range		5	2	100				100				SI	Inc	SI-N	N	N	N	SI-N	Inc	SI-N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	EV	Mod	Species may expand range in assessment area.		J Walk	14-Jan-11
Amphibian	*Pseudacris streckeri illinoensis*	Illinois chorus frog	Lower Mississippi River Bottomlands	Northern edge of range		5	2	0	100		100	0				SI-N	GI-Inc	SI-N-SD	N	N	N	SI-N	Inc	SI-N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	EV	Low	Species may expand range in assessment area.	Ev - 55, HV - 45	J Walk	14-Jan-11
Amphibian	*Lithobates areolatus*	crayfish frog	Coastal Plain	Northern edge of range		4	4	0	100		0	100	0			N	SI	N	N	N	N	N-SD	Inc-SI	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod	Species may expand range in assessment area.	25 mv, 75 ps	J Walk	18-Jan-11
Amphibian	*Lithobates areolatus*	crayfish frog	Shawnee Hills	Northern edge of range		4	4	0	100		100	0	0			N	N	N	N	N	N	N-SD	Inc-SI	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH	Species may expand range in assessment area.	100 ps	J Walk	18-Jan-11
Amphibian	*Lithobates areolatus*	crayfish frog	Southern Till Plain	Northern edge of range		4	4	0	100		0	100	0			N	Inc	N	N	N	N	N-SD	Inc-SI	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Mod	Species may expand range in assessment area.	80 mv, 20 ps	J Walk	18-Jan-11
Amphibian	*Lithobates areolatus*	crayfish frog	Wabash Border	Northern edge of range		4	4	0	100		0	100	0			N	Inc	N	N	N	N	N-SD	Inc-SI	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Mod	Species may expand range in assessment area.	75 mv. 25 ps	J Walk	18-Jan-11
Amphibian	*Lithobates palustris*	pickerel frog	Middle Mississippi Border	Northern edge of range		5	3	100	0		0	100	0			SI-N	SI-N	N	N	N	Inc	N-SD	Inc-SI	N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	HV	Low	Species may expand range in assessment area.	20 ev, 60 hv, 20 mv	J Walk	18-Jan-11
Amphibian	*Lithobates palustris*	pickerel frog	Ozarks	Northern edge of range		5	3	0	100		100	0	0			Inc-SI-N	SI-N	N	N	N	Inc	N-SD	Inc-SI	N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	HV	Low	Species may expand range in assessment area.	10 ev, 55 hv, 35 mv	J Walk	18-Jan-11
Amphibian	*Lithobates palustris*	pickerel frog	Rock River Hill Country	Northern edge of range		5	3	100	0		0	0	100			SI-N	Inc-SI	N	N	N	Inc	N-SD	Inc-SI	N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	HV	Mod	Species may expand range in assessment area.	20 ev, 70, hv, 10 mv	J Walk	18-Jan-11
Amphibian	*Lithobates palustris*	pickerel frog	Wisconsin Driftless	Northern edge of range		5	3	0	100		0	0	100			SI-N	SI-N	N	N	N	Inc	N-SD	Inc-SI	N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Mod	Species may expand range in assessment area.	25 hv, 75, mv	J Walk	18-Jan-11
Amphibian	*Lithobates sylvaticus*	wood frog	Coastal Plain	East/west edge of range		5	3	0	100		0	100	0			N	SI	N	N	N	N	N	Inc	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	VH			J Walk	14-Jan-11
Amphibian	*Lithobates sylvaticus*	wood frog	Lower Mississippi River Bottomlands	East/west edge of range		5	3	0	100		100	0	0			SI-N	GI-Inc	SI-N-SD	N	N	N	N	Inc	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	HV	Low		EV-20, HV-40, MV-40	J Walk	14-Jan-11
Amphibian	*Lithobates sylvaticus*	wood frog	Northeastern Morainal	East/west edge of range		5	3	0	100		0	0	100			N	Inc	SI-N-SD	N	N	N	N	Inc	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Mod			J Walk	14-Jan-11
Amphibian	*Lithobates sylvaticus*	wood frog	Shawnee Hills	East/west edge of range		5	3	0	100		100	0				N	N	N	N	N	N	N	Inc	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Low		MV-55, PS - 45	J Walk	14-Jan-11
Amphibian	*Lithobates sylvaticus*	wood frog	Wabash Border	East/west edge of range		5	3	0	100		0	100				N	Inc	SI-N-SD	N	N	N	N	Inc	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Low		HV-45, MV - 55	J Walk	14-Jan-11
Reptile	*Apalone mutica*	smooth softshell turtle	Coastal Plain Natural Division	East/west edge of range		G5	S3		100				100			Inc	N	N	N-SD	N	N	N	SI-N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	VH			Sarah	15-Jun-10
Reptile	*Apalone mutica*	smooth softshell turtle	Grand Prairie Natural Division	East/west edge of range		G5	S3	100				100				Inc	Inc-SI	SI	N-SD	N	N	N	SI-N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	MV	Low			Sarah	15-Jun-10
Reptile	*Apalone mutica*	smooth softshell turtle	Lower Mississippi River Bottoms Natural Division	East/west edge of range		G5	S3		100		100					SI	Inc	N	N-SD	N	N	N	SI-N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	MV	Low			Sarah	15-Jun-10
Reptile	*Apalone mutica*	smooth softshell turtle	Middle Mississippi River Border Natural Division	East/west edge of range		G5	S3	100				100				Inc-SI	Inc-SI	N	N-SD	N	N	N	SI-N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	MV	Low			Sarah	15-Jun-10
Reptile	*Apalone mutica*	smooth softshell turtle	Rock River Hill Country Natural Division	East/west edge of range		G5	S3	100					100			Inc	SI	N	N-SD	N	N	N	SI-N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	MV	Low			Sarah	15-Jun-10
Reptile	*Apalone mutica*	smooth softshell turtle	Southern Till Plain Natural Division	East/west edge of range		G5	S3		100			100				SI	Inc-SI	N	N-SD	N	N	N	SI-N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	Mod			Sarah	15-Jun-10
Reptile	*Apalone mutica*	smooth softshell turtle	Upper Mississippi/Illinois River Bottoms Natural Division	East/west edge of range		G5	S3	100				100				SI	Inc-SI	N	N-SD	N	N	N	SI-N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	Mod			Sarah	15-Jun-10
Reptile	*Apalone mutica*	smooth softshell turtle	Wabash River Border Natural Division	East/west edge of range		G5	S3		100			100				Inc	SI	N	N-SD	N	N	N	SI-N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	Low			Sarah	15-Jun-10
Reptile	*Clemmys guttata*	spotted turtle	Northeastern Morainal Natural Division	East/west edge of range		G5	S1		100				100			SI-N	Inc-SI	N	SI-N	N	SI-N	SD	Inc-SI	SI-N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	MV	Low			Sarah	15-Jun-10
Reptile	*Clonophis kirtlandii*	Kirtland's snake	Grand Prairie	East/west edge of range		2	2		100		0	100	0			N	GI	SI-N-SD	N	N	N	N	SI-N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Low		35% HV, 60% MV, 5% PS	Jeff Walk	17-Aug-10
Reptile	*Clonophis kirtlandii*	Kirtland's snake	Northeastern Morainal	East/west edge of range		2	2		100		0	0	100			N	Inc	SI-N-SD	N	N	N	N	SI-N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Low		50% MV, 50% PS	Jeff Walk	17-Aug-10
Reptile	*Clonophis kirtlandii*	Kirtland's snake	Southern Till Plain	East/west edge of range		2	2		100		0	100	0			N	Inc	SI-N-SD	N	N	N	N	SI-N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Low		10% HV, 60% MV, 30% PS	Jeff Walk	17-Aug-10
Reptile	*Clonophis kirtlandii*	Kirtland's snake	Western Forest-Prairie	East/west edge of range		2	2		100		0	100	0			N	Inc	SI-N-SD	N	N	N	N	SI-N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Low		10% HV, 60% MV, 30% PS	Jeff Walk	17-Aug-10
reptile	*Cortalus horridus*	timber rattlesnake	Shawnee Hills	Center of range		4	3		100		100	0	0			N	N	N	N-SD	N	N	N-SD	N	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod		PS-75, IL-25	comp	6-Jul-10
reptile	*Cortalus horridus*	timber rattlesnake	Wisconsin Driftless	Center of range		4	3		100		0	0	100			N	SI-N	N	N-SD	N	N	N-SD	N	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High		PS-90, IL-10	comp	6-Jul-10
Reptile	*Crotalus horridus*	timber rattlesnake	Ozarks	Center of range		4	3		100		100	0	0			N	SI	SI-N-SD	N-SD	N	SD	N	N	Inc-SI	N	SI	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod			comp	22-Jun-10
Reptile	*Pantherophis emoryi*	great plains rat snake	Ozarks Natural Division	East/west edge of range		G5	S2		100		100					Inc-SI	SI-N	N	N-SD	N	N-SD	N	N-SD	N	N	SI-N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	High			Sarah	22-Jun-10
Reptile	*Emydoidea blandingii*	Blanding's turtle	Grand Prairie	Southern edge of range		4	3	100	0		0	100	0			N	GI	N	N-SD	N	N	N	SI	N	N	SD	N	N-SD	N/A	N	N	U	N	U	U	U	U	U	PS	Mod		MV-25, PS-75	Aaron lange	6-Jul-10
Reptile	*Emydoidea blandingii*	Blanding's turtle	Northeastern Morainal	Southern edge of range		4	3	0	100		0	0	100			N	Inc	N	N-SD	N	N	N	SI	N	N	SD	N	N-SD	N/A	N	N	U	N	U	U	U	U	U	PS	VH		PS-100	Aaron lange	6-Jul-10
Reptile	*Farancia abacura*	mud snake	Coastal Plain	Northern edge of range		2	2		100		0	100	0			N	SI	N	N	N	N	N	SI-N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod	Species may expand range in assessment area.	20% MV, 80% PS	Jeff Walk	17-Aug-10
Reptile	*Farancia abacura*	mud snake	Lower Mississippi River Bottomlands	Northern edge of range		2	2		100		0	100	0			N	GI	SI-N-SD	N	N	N	N	SI-N	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Low	Species may expand range in assessment area.	30% HV, 60% MV, 10% PS	Jeff Walk	17-Aug-10
Reptile	*Heterodon nasicus*	western hognose snake	Grand Prairie Natural Division	East/west edge of range		G5	S2	100				100				N	GI	N	N-SD	N	N-SD	N	N-SD	N	N	SI-N	N	SD	N/A	N	N	U	U	U	U	U	U	U	PS	VH			Sarah	22-Jun-10
Reptile	*Heterodon nasicus*	western hognose snake	Illinois/Mississippi River Sand Areas	East/west edge of range		G5	S2	100				100				Inc-SI-N	Inc	N-SD	N-SD	N	N-SD	N	N-SD	N	N	SI-N	N	SD	N/A	N	N	U	U	U	U	U	U	U	PS	Mod			Sarah	22-Jun-10

								Temperature Scope		Hamon AET:PET Moisture Metric Scope						Natl barriers	Anth barriers	CC mitigation	Dispersal/Movement	historical thermal niche	physiological thermal niche	historical hydrological niche	physiological hydrological niche	Disturbance	Ice/snow	Phys habitat	Other spp for hab	Diet	Pollinators	Other spp disp	Other spp interaction	Genetic var	Gen bottleneck	Phenol response	Doc response	Modeled change	Modeled overlap	Protected Areas						
Taxonomic Group	Species	English Name	Geographic Area	Range Rel.	Cave/GW	GRank	SRank	A >5.5F	A 5.1F	< -0.119	-0.119	-0.096	-0.073	-0.05	>-0.028	B2a	B2b	B3	C1	C2ai	C2aii	C2bi	C2bii	C2c	C2d	C3	C4a	C4b	C4c	C4d	C4e	C5a	C5b	C6	D1	D2	D3	D4	Index	Conf.	Index Notes	Assessment Notes	Assessor	Date Pasted
Reptile	*Heterodon nasicus*	western hognose snake	Rock River Hill Country Natural Division	East/west edge of range		G5	S2	100					100			N	Inc	N	N-SD	N	N-SD	N	N-SD	N	N	SI-N	N	SD	N/A	N	N	U	U	U	U	U	U	U	PS	High			Sarah	22-Jun-10
Reptile	*Kinosternon flavescens*	Illinois mud turtle	IL/Miss Sand Areas	East/west edge of range		5	1	100	0		0	100	0			Inc-SI-N	Inc	N-SD	N	N	N	N	SI-N	N	N	SD	N	N-SD	N/A	N	N	U	N	U	U	U	U	U	PS	Mod		MV-22, PS-78	Aaron lange	6-Jul-10
Reptile	*Kinosternon subrubrum*	eastern mud turtle	Coastal Plain	Northern edge of range		5	3		100		0	100	0			N	SI	SI-N-SD	N	N	N	N-SD	SI-N	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH	Species may expand range in assessment area.	10% MV, 90% PS	Jeff Walk	17-Aug-10
Reptile	*Kinosternon subrubrum*	eastern mud turtle	Lower Mississippi River Bottomlands	Northern edge of range		5	3		100		0	100	0			N	GI	SI-N-SD	N	N	N	N-SD	SI-N	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Low	Species may expand range in assessment area.	10% HV, 60% MV, 30% PS	Jeff Walk	17-Aug-10
Reptile	*Kinosternon subrubrum*	eastern mud turtle	Wabash Border	Northern edge of range		5	3		100		0	100	0			N	Inc	SI-N-SD	N	N	N	N-SD	SI-N	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod	Species may expand range in assessment area.	35% MV, 65% PS	Jeff Walk	17-Aug-10
Reptile	*Opheodrys vernalis*	smooth green snake	Grand Prairie	Southern edge of range		5	3		100		0	100	0			N	GI	SI-N-SD	N	N	N-SD	N	N	Inc-SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	MV	Low		50% MV, 50% PS	comp	17-Aug-10
Reptile	*Liochlorophis vernalis*	smooth green snake	Northeastern Morainal Natural Division	Southern edge of range		G5	S3S4		100				100			N	Inc	N-SD	N	N	N-SD	SD	SI-N	N	N	N	N	N	N/A	N	N	U	U	U	U	U	U	U	PS	High			comp	15-Jun-10
Reptile	*Macrochelys temminckii*	alligator snapping turtle	Coastal Plain Natural Division	Northern edge of range		G3G4	S1		100			100				SI	SI	N-SD	N-SD	N	SI-N	N	SI-N	N	N	SI-N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	Mod	Species may expand range in assessment area.		Sarah	15-Jun-10
Reptile	*Macrochelys temminckii*	alligator snapping turtle	Lower Mississippi River Bottoms Natural Division	Northern edge of range		G3G4	S1		100		100					SI	Inc	N	N-SD	N	SI-N	N	SI-N	N	N	SI-N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	MV	Mod	Species may expand range in assessment area.		Sarah	15-Jun-10
Reptile	*Nerodia cyclopion*	Mississippi green water snake	Lower Miss River Bottoms	Northern edge of range		5	1	0	100		100	0	0			N	GI-Inc	N	N-SD	N	N	N	N	N	N	SD	N	N-SD	N/A	N	N	U	N	U	U	U	U	U	PS	VH	Species may expand range in assessment area.	PS-100	Aaron lange	6-Jul-10
Reptile	*Nerodia erythrogaster neglecta*	copperbelly watersnake	Coastal Plain	East/west edge of range		5	2		100		0	100	0			N	SI	SI-N-SD	N	N	N-SD	N	SI-N	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH		10% MV, 90% PS	Jeff Walk	17-Aug-10
Reptile	*Nerodia erythrogaster neglecta*	copperbelly watersnake	Shawnee Hills	East/west edge of range		5	2		100		100	0	0			N	N	N	N	N	N-SD	N	SI-N	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH		100% PS	Jeff Walk	17-Aug-10
Reptile	*Nerodia erythrogaster neglecta*	copperbelly watersnake	Wabash Border	East/west edge of range		5	2		100		0	100	0			N	Inc	SI-N-SD	N	N	N-SD	N	SI-N	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod		35% MV, 65% PS	Jeff Walk	17-Aug-10
Reptile	*Ophisaurus attenuatus*	slender glass lizard	Grand Prairie Natural Division	Northern edge of range		G5	S4	100				100				N	GI	SI-N	N	N	N	N	N	N	N	SI-N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	MV	Low	Species may expand range in assessment area.		Sarah	15-Jun-10
Reptile	*Ophisaurus attenuatus*	slender glass lizard	Middle Mississippi River Border Natural Division	Northern edge of range		G5	S4	100				100				N	Inc-SI	SI-N	N	N	N	N	N	N	N	SI-N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	Mod	Species may expand range in assessment area.		Sarah	15-Jun-10
Reptile	*Ophisaurus attenuatus*	slender glass lizard	Western Forest-Prairie Natural Division	Northern edge of range		G5	S4	100				100				N	Inc	N	N	N	N	N	N	N	N	SI-N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	Mod	Species may expand range in assessment area.		Sarah	15-Jun-10
Reptile	*Pseudemys concinna*	river cooter	Coastal Plain	Northern edge of range		5	1	0	100		0	100	0			N	SI	N-SD	N-SD	N	N	N	N	N	N	SD	N	N-SD	N/A	N	N	U	N	U	U	U	U	U	IL	Low	Species may expand range in assessment area.	PS-50, IL-50	Aaron lange	6-Jul-10
Reptile	*Pseudemys concinna*	river cooter	Lower Miss River Bottoms	Northern edge of range		5	1	0	100		100	0	0			N	GI-Inc	N	N-SD	N	N	N	N	N	N	SD	N	N-SD	N/A	N	N	U	N	U	U	U	U	U	PS	VH	Species may expand range in assessment area.	PS-100	Aaron lange	6-Jul-10
Reptile	*Pseudemys concinna*	river cooter	Wabash Border	Northern edge of range		5	1	0	100		0	100	0			N	Inc	N	N-SD	N	N	N	N	N	N	SD	N	N-SD	N/A	N	N	U	N	U	U	U	U	U	PS	VH	Species may expand range in assessment area.	PS-100	Aaron lange	6-Jul-10
Reptile	*Sistrurus catenatus catenatus*	eastern massasauga rattlesnake	Grand Prairie	Center of range		3	2		100		0	100	0			N	GI	SI-N-SD	N	N	N-SD	N	N	N	SI-N	N	N	N	N/A	N	N	U	SI	U	U	U	U	U	MV	Low		35% HV, 55% MV, 10% PS	Jeff Walk	17-Aug-10
Reptile	*Sistrurus catenatus catenatus*	eastern massasauga rattlesnake	Northeastern Morainal	Center of range		3	2		100		0	0	100			N	Inc	SI-N-SD	N	N	N-SD	N	N	N	SI-N	N	N	N	N/A	N	N	U	SI	U	U	U	U	U	MV	Low		45% MV, 55% PS	Jeff Walk	17-Aug-10
Reptile	*Sistrurus catenatus catenatus*	eastern massasauga rattlesnake	Southern Till Plain	Center of range		3	2		100		0	100	0			N	Inc	SI-N-SD	N	N	N-SD	N	N	N	SI-N	N	N	N	N/A	N	N	U	SI	U	U	U	U	U	MV	Low		10% HV, 60% MV, 30% PS	Jeff Walk	17-Aug-10
reptile	*Tantilla gracilis*	flathead snake	Ozarks	Northern edge of range		5	2	0	100		100	0	0			Inc-SI-N	SI-N	N	N	N	N-SD	N-SD	N	N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod	Species may expand range in assessment area.	MV-5, PS-90, IL-5	comp	6-Jul-10
Reptile	*Terrapene ornata*	ornate box turtle	Grand Prairie Natural Division	East/west edge of range		G5	S4	100				100				N	GI	N	N-SD	N	N-SD	N	N-SD	N	N	SI-N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	Mod			Sarah	15-Jun-10
Reptile	*Terrapene ornata*	ornate box turtle	Lower Mississippi River Bottoms Natural Division	East/west edge of range		G5	S4		100		100					N	GI-Inc	N	N-SD	N	N-SD	N	N-SD	N	N	SI-N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	High			Sarah	15-Jun-10
Reptile	*Terrapene ornata*	ornate box turtle	Rock River Hill Country Natural Division	East/west edge of range		G5	S4		100				100			N	Inc	N	N-SD	N	N-SD	N	N-SD	N	N	SI-N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	VH			Sarah	15-Jun-10
Reptile	*Terrapene ornata*	ornate box turtle	Upper Mississippi/Illinois River Bottoms Natural Division	East/west edge of range		G5	S4	100				100				N	Inc	N	N-SD	N	N-SD	N	N-SD	N	N	SI-N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	VH			Sarah	15-Jun-10
Reptile	*Thamnophis sauritus*	eastern ribbon snake	Coastal Plain	East/west edge of range		5	1	0	100		0	100	0			N	SI	N	N-SD	N	N	N	N	N	N	SD	N	N-SD	N/A	N	N	U	N	U	U	U	U	U	PS	Mod		PS-75, IL-25	Aaron lange	6-Jul-10
Reptile	*Thamnophis sauritus*	eastern ribbon snake	Wabash Border	East/west edge of range		5	1	0	100		0	100	0			N	Inc	N	N-SD	N	N	N	N	N	N	SD	N	N-SD	N/A	N	N	U	N	U	U	U	U	U	PS	VH		PS-100	Aaron lange	6-Jul-10
Reptile	*Tropidoclonion lineatum*	lined snake	Grand Prairie	East/west edge of range		5	1		100		0	100	0			N	GI	SI-N-SD	N	N	N-SD	N	N	N	N	N	N	N	N/A	N	N	U	U	U	U	U	U	U	PS	Low		50% MV, 50% PS	Jeff Walk	17-Aug-10
Reptile	*Tropidoclonion lineatum*	lined snake	Western Forest-Prairie	East/west edge of range		5	1		100		0	100	0			N	Inc	SI-N-SD	N	N	N-SD	N	N	N	N	N	N	N	N/A	N	N	U	U	U	U	U	U	U	PS	High		15% MV, 85% PS	Jeff Walk	17-Aug-10
Bird	*Ammodramus savannarum*	grasshopper sparrow	Grand Prairie	Center of range		5	5	100	0		0	100	0			N	Inc	N	Dec	N	N	SD	N	SI-N	N	SD	N	SD	N/A	N	N	U	N	U	U	U	U	U	IL	Mod			comp	17-Jun-10
Bird	*Ammodramus savannarum*	Grasshopper sparrow	Illinois/Mississippi River Sand Areas Natural Division	Center of range		G5	S5	100				100				Inc-SI-N	Inc	N	Dec	N	N	SD	N	N	N	SD	N	SD	N/A	N	N	U	U	U	U	U	U	U	IL	Mod			comp	10-Jun-10
Bird	*Ammodramus savannarum*	grasshopper sparrow	NE Morainal	Center of range		5	5	0	100		0	0	100			N	Inc	N-SD	Dec	N	N	SD	N	N	N	SD	N	SD	N/A	N	N	U	N	U	U	U	U	U	IL	High			comp	17-Jun-10
Bird	*Ammodramus savannarum*	grasshopper sparrow	Rock River Hill Country	Center of range		5	5	100	0		0	0	100			N	Inc	SI-N	Dec	N	N	SD	N	N	N	SD	N	SD	N/A	N	N	U	N	U	U	U	U	U	IL	High			comp	17-Jun-10
Bird	*Ammodramus savannarum*	Grasshopper sparrow	Southern Till Plain Natural Division	Center of range		G5	S5		100			100				N	Inc	N	Dec	N	N	SD	N	N	N	SD	N	SD	N/A	N	N	U	U	U	U	U	U	U	IL	High			comp	10-Jun-10
Bird	*Ammodramus savannarum*	grasshopper sparrow	Upper Miss/Ill River Bottoms	Center of range		5	5	100	0		0	100	0			N	Inc	N	Dec	N	N	SD	N	SI-N	N	SD	N	SD	N/A	N	N	U	N	U	U	U	U	U	IL	VH			Aaron lange	17-Jun-10
Bird	*Ammodramus savannarum*	Grasshopper sparrow	Western Forest-Prairie Natural Division	Center of range		G5	S5	100				100				N	Inc	N	Dec	N	N	SD	N	N	N	SD	N	SD	N/A	N	N	U	U	U	U	U	U	U	IL	High			comp	10-Jun-10
Bird	*Ammodramus savannarum*	grasshopper sparrow	Wisconsin Driftless	Center of range		5	5	0	100		0	0	100			N	SI-N	N	Dec	N	N	SD	N	N	N	SD	N	SD	N/A	N	N	U	N	U	U	U	U	U	IL	High			comp	18-Jun-10
Bird	*Bartramia longicauda*	upland sandpiper	Grand Prairie	Center of range		5	2		100		0	100	0			N	GI	SI-N	Dec	N	N	N	N	Inc-SI	N	SD	SI-N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Low			Jeff Walk	22-Jun-10
Bird	*Bartramia longicauda*	upland sandpiper	Illinois/Mississippi River Sand Areas	Center of range		5	2		100		0	100	0			N	Inc	SI-N-SD	Dec	N	N	N	N	Inc-SI	N	SD	SI-N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH			Jeff Walk	22-Jun-10
Bird	*Bartramia longicauda*	upland sandpiper	Northeastern Morainal	Center of range		5	2		100		0	0	100			N	Inc	SI-N-SD	Dec	N	N	N	N	Inc-SI	N	SD	SI-N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH			Jeff Walk	22-Jun-10
Bird	*Bartramia longicauda*	upland sandpiper	Rock River Hill Country	Center of range		5	2		100		0	0	100			N	Inc	SI-N-SD	Dec	N	N	N	N	Inc-SI	N	SD	SI-N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH			Jeff Walk	22-Jun-10
Bird	*Bartramia longicauda*	upland sandpiper	Southern Till Plain	Southern edge of range		5	2		100		0	100	0			N	Inc	SI-N	Dec	N	N	N	N	Inc-SI	N	SD	SI-N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High			Jeff Walk	22-Jun-10

								Temperature Scope		Hamon AET:PET Moisture Metric Scope																																					
Taxonomic Group	Species	English Name	Geographic Area	Range Rel.	Cave/GW	GRank	SRank	A >5.5F	A 5.1F	< -0.119	-0.119	-0.096	-0.073	-0.05	>-0.028	B2a	B2b	B3	C1	C2ai	C2aii	C2bi	C2bii	C2c	C2d	C3	C4a	C4b	C4c	C4d	C4e	C5a	C5b	C6	D1	D2	D3	D4	Index	Conf.	Index Notes	Assessment Notes	Assessor	Date Pasted
																Natl barriers	Anth barriers	CC mitigation	Dispersal/Movement	historical thermal niche	physiological thermal niche	historical hydrological niche	physiological hydrological niche	Disturbance	Ice/snow	Phys habitat	Other spp for hab	Diet	Pollinators	Other spp disp	Other spp interaction	Genetic var	Gen bottleneck	Phenol response	Doc response	Modeled change	Modeled overlap	Protected Areas						
Bird	*Bartramia longicauda*	upland sandpiper	Wisconsin Driftless	Center of range		5	2		100		0	0	100			N	SI-N	SI-N-SD	Dec	N	N	N	N	Inc-SI	N	SD	SI-N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod			Jeff Walk	22-Jun-10
Bird	*Buteo platypterus*	Broad-Winged Hawk	Middle Miss Border	Center of range		5	3	100	0		0	100				N	Inc-SI	N	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			Aaron lange	16-Jun-10
Bird	*Buteo platypterus*	Broad-Winged Hawk	NE Morainal	Center of range		5	3	0	100		0	0	100			N	Inc	N-SD	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			Aaron lange	16-Jun-10
Bird	*Buteo platypterus*	Broad-Winged Hawk	Ozarks	Center of range		5	3	0	100		100	0	0			Inc-SI-N	SI-N	N	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			Aaron lange	16-Jun-10
Bird	*Buteo platypterus*	Broad-Winged Hawk	Shawnee Hills	Center of range		5	3	0	100		100	0	0			N	N	N	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			Aaron lange	16-Jun-10
Bird	*Buteo platypterus*	Broad-Winged Hawk	Wisconsin Driftless	Center of range		5	3	0	100		0	0	100			N	SI-N	N	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			Aaron lange	16-Jun-10
Bird	*Caprimulgus vociferus*	whip-poor-will	Coastal Plain	Center of range		5	5	0	100		0	100	0			N	SI	N	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			Aaron lange	16-Jun-10
Bird	*Caprimulgus vociferus*	whip-poor-will	IL/Miss Sand Areas	Center of range		5	5	100	0		0	100	0			Inc-SI-N	Inc	N	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod			Aaron lange	16-Jun-10
Bird	*Caprimulgus vociferus*	whip-poor-will	Lower Miss River Bottoms	Center of range		5	5	0	100		100	0	0			N	GI-Inc	N	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	Low			Aaron lange	16-Jun-10
Bird	*Caprimulgus vociferus*	whip-poor-will	Middle Miss Border	Center of range		5	5	100	0		0	100	0			N	Inc-SI	N	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			Aaron lange	16-Jun-10
Bird	*Caprimulgus vociferus*	whip-poor-will	Ozarks	Center of range		5	5	0	100		100	0	0			Inc-SI-N	SI-N	N	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	High			Aaron lange	16-Jun-10
Bird	*Caprimulgus vociferus*	whip-poor-will	Shawnee Hills	Center of range		5	5	0	100		100	0	0			N	N	N	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			Aaron lange	16-Jun-10
Bird	*Caprimulgus vociferus*	whip-poor-will	Southern Till Plain	Center of range		5	5	0	100		0	100	0			N	Inc	N	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			Aaron lange	16-Jun-10
Bird	*Caprimulgus vociferus*	whip-poor-will	Upper Miss River Bottoms	Center of range		5	5	100	0		0	100	0			N	Inc	N	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			Aaron lange	16-Jun-10
Bird	*Caprimulgus vociferus*	whip-poor-will	Wabash border	Center of range		5	5	0	100		0	100	0			N	Inc	N	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			Aaron lange	16-Jun-10
Bird	*Caprimulgus vociferus*	whip-poor-will	Western Forest-Prairie	Center of range		5	5	100	0		0	100	0			N	Inc	N	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			Aaron lange	16-Jun-10
Bird	*Caprimulgus vociferus*	whip-poor-will	Wisconsin Driftless	Center of range		5	5	0	100		0	0	100			N	SI-N	N	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			Aaron lange	16-Jun-10
Bird	*Chlidonias niger*	black tern	Northeastern Morainal	Southern edge of range		5	2		100		0	0	100			N	Inc	SI-N-SD	Dec	N	N	N	Inc-SI	SI-N	N	SD	SI-N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH			Jeff Walk	22-Jun-10
Bird	*Cistothorus palustris*	Marsh Wren	Northeastern Morainal	Center of range		5	4	0	100		0	0	100			N	Inc	N-SD	Dec	N	N	SD	SI	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	Mod			Aaron lange	16-Jun-10
Bird	*Cistothorus palustris*	Marsh Wren	Upper Miss River Bottoms	Center of range		5	4	100	0		0	100	0			N	Inc	N	Dec	N	N	SD	SI	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH			Aaron lange	16-Jun-10
Bird	*Coccyzus erythropthalmus*	black-billed cuckoo	Grand Prairie Natural Division	Center of range		G5	S4	100				100				N	GI	N	Dec	N	N	SD	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	VH			Sarah	14-Jun-10
Bird	*Coccyzus erythropthalmus*	black-billed cuckoo	Illinois/Mississippi River Sand Areas Natural Division	Center of range		G5	S4	100				100				Inc-SI-N	Inc	N	Dec	N	N	SD	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	High			Sarah	14-Jun-10
Bird	*Coccyzus erythropthalmus*	black-billed cuckoo	Middle Mississippi River Border Natural Division	Center of range		G5	S4	100				100				N	Inc-SI	N	Dec	N	N	SD	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	IL	Mod			Sarah	14-Jun-10
Bird	*Coccyzus erythropthalmus*	black-billed cuckoo	Northeastern Morainal Natural Division	Center of range		G5	S4		100				100			N	N	N-SD	Dec	N	N	SD	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	IL	VH			Sarah	14-Jun-10
Bird	*Coccyzus erythropthalmus*	black-billed cuckoo	Rock River Hill Country Natural Division	Center of range		G5	S4	100					100			N	Inc	N	Dec	N	N	SD	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	PS	Low			Sarah	14-Jun-10
Bird	*Coccyzus erythropthalmus*	black-billed cuckoo	Upper Mississippi/Illinois River Bottoms Natural Division	Center of range		G5	S4	100				100				N	Inc	N	Dec	N	N	SD	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	IL	Low			Sarah	14-Jun-10
Bird	*Coccyzus erythropthalmus*	black-billed cuckoo	Western Forest-Prairie Natural Division	Center of range		G5	S4	100				100				N	Inc	N	Dec	N	N	SD	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	IL	Low			Sarah	14-Jun-10
Bird	*Coccyzus erythropthalmus*	black-billed cuckoo	Wisconsin Driftless Area Natural Division	Center of range		G5	S4		100				100			N	SI-N	N	Dec	N	N	SD	N	N	N	N	N	N-SD	N/A	N	N	U	U	U	U	U	U	U	IL	VH			Sarah	14-Jun-10
Bird	*Dendroica cerulea*	cerulean warbler	Coastal Plain	Center of range		4	3	0	100		0	100	0			N	SI	N	Dec	N	N	SD	N-SD	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			comp	28-Jun-10
Bird	*Dendroica cerulea*	cerulean warbler	Middle Mississippi Border	Center of range		4	3	100	0		0	100	0			N	N	N	Dec	N	N	SD	N-SD	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	High			comp	28-Jun-10
Bird	*Dendroica cerulea*	cerulean warbler	Northeastern Morainal	Center of range		4	3	0	100		0	0	100			N	Inc	N-SD	Dec	N	N	SD	N-SD	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	High			comp	28-Jun-10
Bird	*Dendroica cerulea*	cerulean warbler	Ozarks	Center of range		4	3	0	100		100	0	0			Inc-SI-N	SI-N	N	Dec	N	N	SD	N-SD	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			comp	28-Jun-10
Bird	*Dendroica cerulea*	cerulean warbler	Rock River Hill Country	Center of range		4	3	100	0		0	0	100			SI	N	N	Dec	N	N	SD	N-SD	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	High			comp	28-Jun-10
Bird	*Dendroica cerulea*	cerulean warbler	Shawnee Hills	Center of range		4	3	0	100		100	0	0			N	N	N	Dec	N	N	SD	N-SD	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			comp	28-Jun-10
Bird	*Dendroica cerulea*	cerulean warbler	Wabash Border	Center of range		4	3	0	100		0	100	0			N	Inc	N	Dec	N	N	SD	N-SD	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	High			comp	2-Jul-10
Bird	*Dendroica cerulea*	cerulean warbler	Western Forest Prairie	East/west edge of range		4	3		100			100	0			N	Inc	N-SD	Dec	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	High			comp	22-Jun-10
Bird	*Dendroica cerulea*	cerulean warbler	Wisconsin Driftless	Center of range		4	3	0	100		0	0	100			N	N	N	Dec	N	N	SD	N-SD	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			comp	2-Jul-10
Bird	*Egretta caerulea*	little blue heron	Coastal Plain	Northern edge of range		5	2		100		0	100	0			N	SI	N-SD	Dec	N	N	N-SD	Inc-SI	SI	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High	Species may expand range in assessment area.		Jeff Walk	22-Jun-10
Bird	*Egretta caerulea*	little blue heron	Lower Mississippi River Bottomlands	Northern edge of range		5	2		100		100	0	0			N	GI-Inc	N-SD	Dec	N	N	N-SD	Inc-SI	SI	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH	Species may expand range in assessment area.		Jeff Walk	22-Jun-10
Bird	*Egretta caerulea*	little blue heron	Wabash Border	Northern edge of range		5	2		100		0	100	0			N	Inc	SI-N-SD	Dec	N	N	N-SD	Inc-SI	SI	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH	Species may expand range in assessment area.		Jeff Walk	22-Jun-10
Bird	*Empidonax virescens*	Acadian flycatcher	Coastal Plain	Center of range		5	5	0	100		0	100	0			N	SI	N	Dec	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			Aaron lange	16-Jun-10
Bird	*Empidonax virescens*	Acadian flycatcher	Lower Miss River Bottoms	Center of range		5	5	0	100		100	0	0			N	GI	N	Dec	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH			Aaron lange	16-Jun-10
Bird	*Empidonax virescens*	Acadian flycatcher	Middle Miss Border	Center of range		5	5	100	0		0	100	0			N	Inc-SI	N	Dec	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	Low			Aaron lange	16-Jun-10
Bird	*Empidonax virescens*	Acadian flycatcher	Ozarks	Center of range		5	5	0	100		100	0	0			Inc	SI-N	N	Dec	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH			Aaron lange	16-Jun-10
Bird	*Empidonax virescens*	Acadian flycatcher	Rock River Hill Country	Center of range		5	5	100	0		0	0	100			N	Inc	N	Dec	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH			Aaron lange	16-Jun-10
Bird	*Empidonax virescens*	Acadian flycatcher	Shawnee Hills	Center of range		5	5	0	100		100	0	0			N	N	N	Dec	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			Aaron lange	16-Jun-10
Bird	*Empidonax virescens*	Acadian flycatcher	Wabash Border	Center of range		5	5	0	100		0	100	0			N	Inc	N	Dec	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH			Aaron lange	16-Jun-10
Bird	*Empidonax virescens*	Acadian flycatcher	Western Forest-Prairie	Center of range		5	5	100	0		0	100	0			N	Inc	N	Dec	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH			Aaron lange	16-Jun-10
Bird	*Empidonax virescens*	Acadian flycatcher	Wisconsin Driftless	Center of range		5	5	0	100		0	0	100			N	SI-N	N	Dec	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			Aaron lange	16-Jun-10
Bird	*Gallinula chloropus*	common moorhen	Northeastern Morainal Natural Division	Center of range		G5	S3		100				100			N	Inc	N	Dec	N	N	SD	SI-N	N	N	N	N	SD	N/A	N	N	U	U	U	U	U	U	U	IL	Mod			Sarah	14-Jun-10
Bird	*Gallinula chloropus*	common moorhen	Wabash River Border Natural Division	Center of range		G5	S3		100			100				N	Inc	N	Dec	N	N	SD	SI-N	N	N	N	N	SD	N/A	N	N	U	U	U	U	U	U	U	IL	Low			Sarah	14-Jun-10

								Temperature Scope		Hamon AET:PET Moisture Metric Scope						Natl barriers	Anth barriers	CC mitigation	Dispersal/Movement	historical thermal niche	physiological thermal niche	historical hydrological niche	physiological hydrological niche	Disturbance	Ice/snow	Phys habitat	Other spp for hab	Diet	Pollinators	Other spp disp	Other spp interaction	Genetic var	Gen bottleneck	Phenol response	Doc response	Modeled change	Modeled overlap	Protected Areas						
Taxonomic Group	Species	English Name	Geographic Area	Range Rel.	Cave/GW	GRank	SRank	A >5.5F	A 5.1F	< -0.119	-0.119	-0.096	-0.073	-0.05	>-0.028	B2a	B2b	B3	C1	C2ai	C2aii	C2bi	C2bii	C2c	C2d	C3	C4a	C4b	C4c	C4d	C4e	C5a	C5b	C6	D1	D2	D3	D4	Index	Conf.	Index Notes	Assessment Notes	Assessor	Date Pasted
Bird	*Helmitheros vermivorum*	worm-eating warbler	Middle Mississippi Border	Northern edge of range		5	4		100		0	100	0			N	Inc-SI	SI-N-SD	Dec	N	N	N-SD	N	N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod	Species may expand range in assessment area.		Jeff Walk	22-Jun-10
Bird	*Helmitheros vermivorum*	worm-eating warbler	Ozarks	Northern edge of range		5	4		100		100	0	0			N	SI-N	N	Dec	N	N	N-SD	N	N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	Low	Species may expand range in assessment area.		Jeff Walk	22-Jun-10
Bird	*Helmitheros vermivorum*	worm-eating warbler	Shawnee Hills	Northern edge of range		5	4		100		100	0	0			N	SI-N	N	Dec	N	N	N-SD	N	N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	Low	Species may expand range in assessment area.		Jeff Walk	22-Jun-10
Bird	*Helmitheros vermivorum*	worm-eating warbler	Wisconsin Driftless	Northern edge of range		5	4		100		0	0	100			N	SI-N	SI-N-SD	Dec	N	N	N-SD	N	N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Low	Species may expand range in assessment area.		Jeff Walk	22-Jun-10
Bird	*Ictinia mississippiensis*	Mississippi Kite	Coastal Plain	Northern edge of range		5	2	0	100		0	100	0			N	SI	N	Dec	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH	Species may expand range in assessment area.		Aaron lange	16-Jun-10
Bird	*Ictinia mississippiensis*	Mississippi Kite	Lower Miss River Bottoms	Northern edge of range		5	2	0	100		100	0	0			N	GI-Inc	N	Dec	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH	Species may expand range in assessment area.		Aaron lange	16-Jun-10
Bird	*Laterallus jamaicensis*	black rail	Grand Prairie Natural Division	Northern edge of range		G5	S1		100			100				N	SI	N-SD	Dec	N	N	SI-N	SI	SI	N	SI	N	N	N/A	N	N	U	U	U	U	U	U	U	PS	Mod	Species may expand range in assessment area.		Sarah	14-Jun-10
Bird	*Laterallus jamaicensis*	black rail	Illinois/Mississippi River Sand Areas Natural Division	Northern edge of range		G5	S1	100				100				Inc-SI-N	Inc	SI	Dec	N	N	SI-N	SI	SI	N	SI	N	N	N/A	N	N	U	U	U	U	U	U	U	HV	Low	Species may expand range in assessment area.		Sarah	14-Jun-10
Bird	*Laterallus jamaicensis*	black rail	Northeastern Morainal Natural Division	Northern edge of range		G5	S1		100				100			N	Inc	N	Dec	N	N	SI-N	SI	SI	N	SI	N	N	N/A	N	N	U	U	U	U	U	U	U	PS	Mod	Species may expand range in assessment area.		Sarah	14-Jun-10
Bird	*Laterallus jamaicensis*	black rail	Southern Till Plain Natural Division	Northern edge of range		G5	S1		100			100				N	Inc	N	Dec	N	N	SI-N	SI	SI	N	SI	N	N	N/A	N	N	U	U	U	U	U	U	U	MV	VH	Species may expand range in assessment area.		Sarah	14-Jun-10
Bird	*Nyctanassa violacea*	yellow-crowned night-heron	Coastal Plain	Northern edge of range		5	1		100		0	100	0			N	SI	N-SD	Dec	N	N	N-SD	SI-N	SI-N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	Mod	Species may expand range in assessment area.		comp	22-Jun-10
Bird	*Nyctanassa violacea*	yellow-crowned night-heron	Lower Mississippi River Bottomlands	Northern edge of range		5	1		100		100	0	0			N	GI-Inc	N-SD	Dec	N	N	N-SD	SI-N	SI-N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High	Species may expand range in assessment area.		comp	22-Jun-10
Bird	*Nyctanassa violacea*	yellow-crowned night-heron	Upper Mississippi/Illinois River Bottomlands	Northern edge of range		5	1		100		0	100	0			N	Inc	N-SD	Dec	N	N	N-SD	SI-N	SI-N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High	Species may expand range in assessment area.		comp	22-Jun-10
Bird	*Nyctanassa violacea*	yellow-crowned night-heron	Wabash Border	Northern edge of range		5	1		100		0	100	0			N	Inc	N-SD	Dec	N	N	N-SD	SI-N	SI-N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High	Species may expand range in assessment area.		comp	22-Jun-10
Bird	*Pandion haliaetus*	osprey	Coastal Plain	Center of range		5	1		100		0	100	0			N	SI	N-SD	Dec	N	N	SD	Inc-SI	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High			Jeff Walk	22-Jun-10
Bird	*Pandion haliaetus*	osprey	Northeastern Morainal	Center of range		5	1		100		0	0	100			N	Inc	SI-N-SD	Dec	N	N	SD	Inc-SI	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH			Jeff Walk	22-Jun-10
Bird	*Pandion haliaetus*	osprey	Upper Mississippi/Illinois River Bottomlands	Center of range		5	1		100		0	100	0			N	Inc	N-SD	Dec	N	N	SD	Inc-SI	SI-N	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH			Jeff Walk	22-Jun-10
Bird	*Phalaropus tricolor*	Wilson's phalarope	Northeastern Morainal	Southern edge of range		5	1	0	100		0	0	100			N	GI-Inc	N	Dec	N	N	N	SI	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH			Aaron lange	16-Jun-10
Bird	*Rallus elegans*	king rail	Coastal Plain Natural Division	Center of range		G4	S2		100			100				SI-N	SI	N-SD	Dec	SD	N	N	SI-N	N	N	SI-N	N	SD	N/A	N	N	U	U	U	U	U	U	U	IL	Mod			Sarah	14-Jun-10
Bird	*Rallus elegans*	king rail	Grand Prairie Natural Division	Center of range		G4	S2	100				100				N	GI	N	Dec	SD	N	N	SI-N	N	N	SI-N	N	SD	N/A	N	N	U	U	U	U	U	U	U	PS	Mod			Sarah	14-Jun-10
Bird	*Rallus elegans*	king rail	Lower Mississippi River Bottoms Natural Division	Center of range		G4	S2		100		100					N	GI-Inc	N-SD	Dec	SD	N	N	SI-N	N	N	SI-N	N	SD	N/A	N	N	U	U	U	U	U	U	U	PS	Mod			Sarah	14-Jun-10
Bird	*Rallus elegans*	king rail	Northeastern Morainal Natural Division	Center of range		G4	S2		100				100			N	Inc	N	Dec	SD	N	N	SI-N	N	N	SI-N	N	SD	N/A	N	N	U	U	U	U	U	U	U	IL	Mod			Sarah	14-Jun-10
Bird	*Rallus elegans*	king rail	Southern Till Plain Natural Division	Center of range		G4	S2		100			100				N	Inc	N	Dec	SD	N	N	SI-N	N	N	SI-N	N	SD	N/A	N	N	U	U	U	U	U	U	U	PS	Mod			Sarah	14-Jun-10
Bird	*Rallus elegans*	king rail	Upper Mississippi/Illinois River Bottoms Natural Division	Center of range		G4	S2		100			100				N	Inc	N-SD	Dec	SD	N	N	SI-N	N	N	SI-N	N	SD	N/A	N	N	U	U	U	U	U	U	U	IL	Low			Sarah	14-Jun-10
Bird	*Spiza americana*	dickcissel	Coastal Plain	Center of range		5	4		100		0	100	0			N	SI	SI-N-SD	Dec	N	N	N	N	Inc-SI	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH			Jeff Walk	22-Jun-10
Bird	*Spiza americana*	dickcissel	Grand Prairie	Center of range		5	4		100		0	100	0			N	GI	SI-N-SD	Dec	N	N	N	N	Inc-SI	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Low			Jeff Walk	22-Jun-10
Bird	*Spiza americana*	dickcissel	Illinois/Mississippi River Sand Areas	Center of range		5	4		100		0	100	0			N	Inc	SI-N-SD	Dec	N	N	N	N	Inc-SI	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High			Jeff Walk	22-Jun-10
Bird	*Spiza americana*	dickcissel	Northeastern Morainal	Center of range		5	4		100		0	0	100			N	Inc	SI-N-SD	Dec	N	N	N	N	Inc-SI	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High			Jeff Walk	22-Jun-10
Bird	*Spiza americana*	dickcissel	Rock River Hill Country	Center of range		5	4		100		0	0	100			N	Inc	SI-N-SD	Dec	N	N	N	N	Inc-SI	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High			Jeff Walk	22-Jun-10
Bird	*Spiza americana*	dickcissel	Southern Till Plain	Center of range		5	4		100		0	100	0			N	Inc	SI-N-SD	Dec	N	N	N	N	Inc-SI	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High			Jeff Walk	22-Jun-10
Bird	*Spiza americana*	dickcissel	Western Forest Prairie	Center of range		5	4		100		0	100	0			N	Inc	SI-N-SD	Dec	N	N	N	N	Inc-SI	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High			Jeff Walk	22-Jun-10
Bird	*Spiza americana*	dickcissel	Wisconsin Driftless	Center of range		5	4		100		0	0	100			N	SI-N	SI-N-SD	Dec	N	N	N	N	Inc-SI	N	N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH			Jeff Walk	22-Jun-10
Bird	*Sterna forsteri*	Forster's tern	Northeastern Morainal Natural Division	East/west edge of range		G5	S1		100				100			N	Inc	N	Dec	N	N	SD	Inc-SI	N	N	SI-N	N	SD	N/A	N	N	U	U	U	U	U	U	U	PS	VH			Sarah	14-Jun-10
Bird	*Vermivora cyanoptera*	blue winged warbler	Northeastern Morainal	Center of range		5	4	0	100		0	0	100			N	Inc	N	Dec	N	N	N	SD	N	N	N-SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	Mod			comp	2-Jul-10
Bird	*Vermivora cyanoptera*	blue winged warbler	Ozarks	Center of range		5	4	0	100		100	0	0			Inc-SI-N	N	N	Dec	N	N	N	SD	N	N	N-SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	High			comp	2-Jul-10
Bird	*Vermivora cyanoptera*	blue winged warbler	Shawnee Hills	Center of range		5	4	0	100		100	0	0			N	N	N	Dec	N	N	N	SD	N	N	N-SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			comp	2-Jul-10
Bird	*Vermivora cyanoptera*	blue winged warbler	Southern Till Plain	Center of range		5	4	0	100		0	100	0			N	Inc	N	Dec	N	N	N	SD	N	N	N-SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	Mod			comp	2-Jul-10
Bird	*Vermivora cyanoptera*	blue winged warbler	Wabash Border	Center of range		5	4	0	100		0	100	0			N	Inc	N	Dec	N	N	N	SD	N	N	N-SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	Mod			comp	2-Jul-10
Mammal	*Corynorhinus rafinesquii*	Eastern Big-Eared Bat	Coastal Plain Natural Division	Northern edge of range	G3	S1	100						100			SI	N	Dec	N	N	N	N	N	N	SD	N	N	N/A	N	N	SI	U	U	U	U	U	U	U	PS	VH	Species may expand range in assessment area.		Sarah	3-May-10
Mammal	*Lontra canadensis*	river otter	Coastal Plain	Center of range		5	2		100			100				N	SI	N-SD	Dec	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			comp	21-Jun-10
Mammal	*Lontra canadensis*	River Otter	Grand Prairie Natural Division	East/west edge of range	G5	S2	100							100		Inc-SI	SI-N	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	SI	U	U	U	U	U	U	U	PS	VH			Sarah	3-May-10
Mammal	*Lontra canadensis*	River Otter	Illinois/Mississippi River Sand Areas Natural Division	East/west edge of range	G5	S2	100							100		SI-N	SI	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	SI	U	U	U	U	U	U	U	PS	VH			Sarah	3-May-10
Mammal	*Lontra canadensis*	River Otter	Lower Mississippi River Bottoms Natural Division	East/west edge of range	G5	S2	100							100		Inc	N-SD	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	SI	U	U	U	U	U	U	U	PS	Mod			comp	3-May-10
Mammal	*Lontra canadensis*	River Otter	Northeastern Morainal Natural Division	East/west edge of range	G5	S2	100							100		Inc-SI	SI-N	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	SI	U	U	U	U	U	U	U	PS	VH			Sarah	3-May-10
Mammal	*Lontra canadensis*	River Otter	Ozarks Natural Division	East/west edge of range	G5	S2	100						100			N	N	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	SI	U	U	U	U	U	U	U	PS	VH			Sarah	3-May-10
Mammal	*Lontra canadensis*	River Otter	Rock River Hill Country Natural Division	East/west edge of range	G5	S2	100							100		SI	N	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	SI	U	U	U	U	U	U	U	PS	VH			Sarah	3-May-10

								Temperature Scope		Hamon AET:PET Moisture Metric Scope						Natl barriers	Anth barriers	CC mitigation	Dispersal/Movement	historical thermal niche	physiological thermal niche	historical hydrological niche	physiological hydrological niche	Disturbance	Ice/snow	Phys habitat	Other spp for hab	Diet	Pollinators	Other spp disp	Other spp interaction	Genetic var	Gen bottleneck	Phenol response	Doc response	Modeled change	Modeled overlap	Protected Areas						
Taxonomic Group	Species	English Name	Geographic Area	Range Rel.	Cave/GW	GRank	SRank	A >5.5F	A 5.1F	< -0.119	-0.119	-0.096	-0.073	-0.05	>-0.028	B2a	B2b	B3	C1	C2ai	C2aii	C2bi	C2bii	C2c	C2d	C3	C4a	C4b	C4c	C4d	C4e	C5a	C5b	C6	D1	D2	D3	D4	Index	Conf.	Index Notes	Assessment Notes	Assessor	Date Pasted
Mammal	*Lontra canadensis*	River Otter	Shawnee Hills Natural Division	East/west edge of range	G5	S2	100						100			N	N	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	SI	U	U	U	U	U	U	U	PS	VH			Sarah	3-May-10
Mammal	*Lontra canadensis*	River Otter	Southern Till Plain Natural Division	East/west edge of range	G5	S2	100							100		Inc-SI	SI-N	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	SI	U	U	U	U	U	U	U	PS	VH			Sarah	3-May-10
Mammal	*Lontra canadensis*	River Otter	Upper Mississippi/Illinois River Bottoms Natural Division	East/west edge of range	G5	S2	100							100		Inc-SI	N-SD	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	SI	U	U	U	U	U	U	U	PS	Mod			comp	3-May-10
Mammal	*Lontra canadensis*	river otter	Wabash Border	Center of range		5	2		100		0	100				N	Inc	SI-N-SD	Dec	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod			comp	21-Jun-10
Mammal	*Lontra canadensis*	River Otter	Western-Forest Prairie Natural Division	East/west edge of range	G5	S2	100							100		SI-N	SI-N	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	SI	U	U	U	U	U	U	U	PS	Mod			Sarah	3-May-10
Mammal	*Lontra canadensis*	River Otter	Wisconsin Driftless Area Natural Division	East/west edge of range	G5	S2	100							100		N	N	Dec	N	N	SD	N	N	N	SD	N	N	N/A	N	N	SI	U	U	U	U	U	U	U	IL	VH			Sarah	3-May-10
Mammal	*Lynx rufus*	bobcat	Coastal Plain	Center of range		5	3		100		0	100				N	SI	SI-N-SD	Dec	N	N	SD	N-SD	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			comp	21-Jun-10
Mammal	*Lynx rufus*	Bobcat	Grand Prairie Natural Division	Northern edge of range	G5	S3	100							100		GI	N	Dec	N	N	SD	N	N	N	Dec	N	N	N/A	N	N	SI	U	U	U	U	U	U	U	IL	VH	Species may expand range in assessment area.		Sarah	3-May-10
Mammal	*Lynx rufus*	Bobcat	Illinois/Mississippi River Sand Areas Natural Division	Northern edge of range	G5	S3	100							100		N	N	Dec	N	N	SD	N	N	N	Dec	N	N	N/A	N	N	SI	U	U	U	U	U	U	U	IL	VH	Species may expand range in assessment area.		Sarah	3-May-10
Mammal	*Lynx rufus*	bobcat	Lower Mississippi River Bottomlands	Center of range		5	3		100		0	100				N	GI-Inc	N	Dec	N	N	SD	N-SD	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	Mod			comp	21-Jun-10
Mammal	*Lynx rufus*	Bobcat	Middle Mississippi River Border Natural Division	Northern edge of range	G5	S3	100							100		Inc-SI	N	Dec	N	N	SD	N	N	N	Dec	N	N	N/A	N	N	SI	U	U	U	U	U	U	U	IL	VH			comp	3-May-10
Mammal	*Lynx rufus*	Bobcat	Northeastern Morainal Natural Division	Northern edge of range	G5	S3	100							100		Inc	N	Dec	N	N	SD	N	N	N	Dec	N	N	N/A	N	N	SI	U	U	U	U	U	U	U	IL	VH	Species may expand range in assessment area.		Sarah	3-May-10
Mammal	*Lynx rufus*	bobcat	Ozarks	Center of range		5	3		100		100					N	SI-N	N	Dec	N	N	SD	N-SD	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			comp	21-Jun-10
Mammal	*Lynx rufus*	bobcat	Rock River Hill Country	Center of range		5	3		100				100			N	Inc	N	Dec	N	N	SD	N-SD	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			comp	21-Jun-10
Mammal	*Lynx rufus*	bobcat	Shawnee Hills	Center of range		5	3		100		100					N	N	Dec	N	N	SD	N-SD	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			comp	21-Jun-10
Mammal	*Lynx rufus*	bobcat	Southern Till Plain	Center of range		5	3		100		0	100				N	Inc	N	Dec	N	N	SD	N-SD	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			comp	21-Jun-10
Mammal	*Lynx rufus*	Bobcat	Upper Mississippi/Illinois River Bottoms Natural Division	Northern edge of range	G5	S3	100							100		Inc	N	Dec	N	N	SD	N	N	N	Dec	N	N	N/A	N	N	SI	U	U	U	U	U	U	U	IL	VH	Species may expand range in assessment area.		Sarah	3-May-10
Mammal	*Lynx rufus*	bobcat	Wabash Border	Center of range		5	3		100		0	100				N	Inc	N	Dec	N	N	SD	N-SD	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			comp	21-Jun-10
Mammal	*Lynx rufus*	bobcat	Western Forest Prairie Border	Center of range		5	3		100		0	100				N	Inc	N	Dec	N	N	SD	N-SD	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			comp	21-Jun-10
Mammal	*Lynx rufus*	bobcat	Wisconsin Driftless	Center of range		5	3		100		0	0	100			N	SI-N	N	Dec	N	N	SD	N-SD	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	VH			comp	21-Jun-10
Mammal	*Microtus pinetorum*	Woodland Vole	Coastal Plain Natural Division	Center of range	G5	S5	100						100			SI	N	N	N	N-SD	N	N	N	N	N-SD	N	N	N/A	N	N	SI-N	U	U	U	U	U	U	U	PS	High			comp	3-May-10
Mammal	*Microtus pinetorum*	Woodland Vole	Northeastern Morainal Natural Division	Center of range	G5	S5	100							100		N-SD	N	N	N	N-SD	N	N	N	N	N-SD	N	N	N/A	N	N	SI-N	U	U	U	U	U	U	U	PS	High			comp	3-May-10
Mammal	*Microtus pinetorum*	Woodland Vole	Ozarks Natural Division	Center of range	G5	S5	100						100			SI-N	N	N	N	N-SD	N	N	N	N	N-SD	N	N	N/A	N	N	SI-N	U	U	U	U	U	U	U	PS	Mod			comp	3-May-10
Mammal	*Microtus pinetorum*	woodland vole	Shawnee Hills	Center of range		5	5		100		100	0				N	N	N	N	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod			comp	21-Jun-10
Mammal	*Mustela nivalis*	least weasel	Middle Mississippi Border	Southern edge of range		5	3		100		0	100				N	Inc-SI	N-SD	N-SD	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High	Species range may shift and perhaps leave the assessment area.		comp	21-Jun-10
Mammal	*Mustela nivalis*	least weasel	Northeastern Morainal	Southern edge of range		5	3		100		0	0	100			N	Inc	SI-N-SD	N-SD	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High			comp	21-Jun-10
Mammal	*Mustela nivalis*	least weasel	Rock River Hill Country	Southern edge of range		5	3		100		0	0	100			N	Inc	N	N-SD	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High			comp	21-Jun-10
Mammal	*Mustela nivalis*	least weasel	Wisconsin Driftless	Southern edge of range		5	3		100		0	0	100			N	SI-N	N	N-SD	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High	Species range may shift and perhaps leave the assessment area.		comp	21-Jun-10
Mammal	*Myotis austroriparius*	southeastern bat	Coastal Plain	Northern edge of range		3	1		100		0	100				N	SI	N-SD	Dec	N	N	N	N	N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod	Species may expand range in assessment area.		comp	21-Jun-10
Mammal	*Myotis austroriparius*	southeastern bat	Shawnee Hills	Northern edge of range		3	1		100		100	0				N	N	N	Dec	N	N	N	N	N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	Low	Species may expand range in assessment area.		comp	21-Jun-10
Mammal	*Myotis grisescens*	gray bat	Middle Mississippi Border	Northern edge of range		3	1		100		0	100				N	Inc-SI	N-SD	Dec	N	N	N	N	N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High	Species may expand range in assessment area.		comp	21-Jun-10
Mammal	*Myotis grisescens*	gray bat	Ozarks	Northern edge of range		3	1		100		100	0				N	SI-N	N	Dec	N	N	N	N	N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod	Species may expand range in assessment area.		comp	21-Jun-10
Mammal	*Myotis grisescens*	gray bat	Upper Mississippi/Illinois River Bottomlands	Northern edge of range		3	1		100		0	100				N	Inc	N-SD	Dec	N	N	N	N	N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH	Species may expand range in assessment area.		comp	21-Jun-10
Mammal	*Myotis grisescens*	gray bat	Western Forest Prairie Border	Northern edge of range		3	1		100		0	100				N	Inc	N	Dec	N	N	N	N	N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH	Species may expand range in assessment area.		comp	21-Jun-10
Mammal	*Myotis sodalis*	Indiana bat	Coastal Plain	Center of range		2	1		100		0	100				N	SI	N-SD	Dec	N	N	N	N	N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod			comp	21-Jun-10
Mammal	*Myotis sodalis*	Indiana bat	Lower Mississippi River Bottomlands	Center of range		2	1		100		100	0				N	GI-Inc	N-SD	Dec	N	N	N	N	N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH			comp	21-Jun-10
Mammal	*Myotis sodalis*	Indiana bat	Middle Mississippi Border	Center of range		2	1		100		0	100				N	Inc-SI	N-SD	Dec	N	N	N	N	N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High			comp	21-Jun-10
Mammal	*Myotis sodalis*	Indiana bat	Shawnee Hills	Center of range		2	1		100		100	0				N	N	N	Dec	N	N	N	N	N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	Low			comp	21-Jun-10
Mammal	*Myotis sodalis*	Indiana bat	Upper Mississippi/Illinois River Bottomlands	Center of range		2	1		100		0	100				N	Inc	N-SD	Dec	N	N	N	N	N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH			comp	21-Jun-10
Mammal	*Myotis sodalis*	Indiana bat	Western Forest Prairie Border	Center of range		2	1		100		0	100				N	Inc	N	Dec	N	N	N	N	N	N	SI-N	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH			comp	21-Jun-10
Mammal	*Neotoma floridana*	Eastern Woodrat	Lower Mississippi River Bottoms Natural Division	Northern edge of range	G5	S1	100							100		GI-Inc	N	N	N	N	SD	N	N	N	N-SD	N	N	N/A	N	N	SI	U	U	U	U	U	U	U	PS	Mod	Species may expand range in assessment area.		comp	10-May-10
Mammal	*Neotoma floridana*	eastern woodrat	Ozarks	Northern edge of range		5	1		100		100	0				N	SI-N	N	N	N	N	N	N	N	N	SI-N	N	N-SD	N/A	N	N	U	N	U	U	U	U	U	PS	VH	Species may expand range in assessment area.		comp	21-Jun-10
Mammal	*Ochrotomys nuttalli*	golden mouse	Coastal Plain	Northern edge of range		5	2		100		0	100				N	SI	N-SD	N	N	N	N	N	N	N	SD	N	N-SD	N/A	N	N	U	N	U	U	U	U	U	PS	Mod	Species may expand range in assessment area.		comp	21-Jun-10
Mammal	*Ochrotomys nuttalli*	Golden Mouse	Shawnee Hills Natural Division	Northern edge of range	G5	S2	100						100			N	N	N	N	N	SD	N-SD	N	N	SD	N	N	N/A	N	N	SI	U	U	U	U	U	U	U	IL	Low	Species may expand range in assessment area.		comp	10-May-10

								Temperature Scope		Hamon AET:PET Moisture Metric Scope						Natl barriers	Anth barriers	CC mitigation	Dispersal/Movement	historical thermal niche	physiological thermal niche	historical hydrological niche	physiological hydrological niche	Disturbance	Ice/snow	Phys habitat	Other spp for hab	Diet	Pollinators	Other spp disp	Other spp interaction	Genetic var	Gen bottleneck	Phenol response	Doc response	Modeled change	Modeled overlap	Protected Areas						
Taxonomic Group	Species	English Name	Geographic Area	Range Rel.	Cave/GW	GRank	SRank	A >5.5F	A 5.1F	< -0.119	-0.119	-0.096	-0.073	-0.05	>-0.028	B2a	B2b	B3	C1	C2ai	C2aii	C2bi	C2bii	C2c	C2d	C3	C4a	C4b	C4c	C4d	C4e	C5a	C5b	C6	D1	D2	D3	D4	Index	Conf.	Index Notes	Assessment Notes	Assessor	Date Pasted
Mammal	*Ondatra zibethicus*	Muskrat	Grand Prairie Natural Division	Center of range	G5	S5	100							100		Inc-SI	SI-N	N-SD	N	N	SD	SD	N	N	SD	N	N	N/A	N	N	SI-N	U	U	U	U	U	U	U	PS	High			comp	10-May-10
Mammal	*Ondatra zibethicus*	Muskrat	Illinois/Mississippi River Sand Areas Natural Division	Center of range	G5	S5	100							100		SI-N	SI	N-SD	N	N	SD	SD	N	N	SD	N	N	N/A	N	N	SI-N	U	U	U	U	U	U	U	PS	VH			Sarah	10-May-10
Mammal	*Ondatra zibethicus*	muskrat	Lower Mississippi River Bottoms	Center of range		5	5		100		100	0				N	GI-Inc	N-SD	N-SD	N	N	N-SD	SI-N	SI	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High			comp	21-Jun-10
Mammal	*Ondatra zibethicus*	Muskrat	Middle Mississippi River Border Natural Division	Center of range	G5	S5	100							100		Inc-SI	N	N-SD	N	N	SD	SD	N	N	SD	N	N	N/A	N	N	SI-N	U	U	U	U	U	U	U	PS	Mod			Sarah	10-May-10
Mammal	*Ondatra zibethicus*	Muskrat	Northeastern Morainal Natural Division	Center of range	G5	S5	100							100		Inc-SI	SI	N-SD	N	N	SD	SD	N	N	SD	N	N	N/A	N	N	SI-N	U	U	U	U	U	U	U	PS	High			comp	10-May-10
Mammal	*Ondatra zibethicus*	Muskrat	Ozarks Natural Division	Center of range	G5	S5	100						100			N	N	N-SD	N	N	SD	SD	N	N	SD	N	N	N/A	N	N	SI-N	U	U	U	U	U	U	U	PS	Mod			Sarah	10-May-10
Mammal	*Ondatra zibethicus*	Muskrat	Rock River Hill Country Natural Division	Center of range	G5	S5	100							100		SI	N	N-SD	N	N	SD	SD	N	N	SD	N	N	N/A	N	N	SI-N	U	U	U	U	U	U	U	PS	Mod			Sarah	10-May-10
Mammal	*Ondatra zibethicus*	Muskrat	Shawnee Hills Natural Division	Center of range	G5	S5	100						100			N	N	N-SD	N	N	SD	SD	N	N	SD	N	N	N/A	N	N	SI-N	U	U	U	U	U	U	U	PS	Mod			Sarah	10-May-10
Mammal	*Ondatra zibethicus*	Muskrat	Southern Till Plain Natural Division	Center of range	G5	S5	100							100		Inc-SI	SI	N-SD	N	N	SD	SD	N	N	SD	N	N	N/A	N	N	SI-N	U	U	U	U	U	U	U	PS	High			comp	10-May-10
Mammal	*Ondatra zibethicus*	Muskrat	Upper Mississippi/Illinois River Bottoms Natural Division	Center of range	G5	S5	100							100		Inc-SI	N-SD	N-SD	N	N	SD	SD	N	N	SD	N	N	N/A	N	N	SI-N	U	U	U	U	U	U	U	IL	Mod			Sarah	10-May-10
Mammal	*Ondatra zibethicus*	Muskrat	Wabash River Border Natural Division	Center of range	G5	S5	100							100		SI	N-SD	N-SD	N	N	SD	SD	N	N	SD	N	N	N/A	N	N	SI-N	U	U	U	U	U	U	U	PS	Mod			comp	10-May-10
Mammal	*Ondatra zibethicus*	Muskrat	Western Forest-Prairie Natural Division	Center of range	G5	S5	100							100		SI-N	SI-N	N-SD	N	N	SD	SD	N	N	SD	N	N	N/A	N	N	SI-N	U	U	U	U	U	U	U	PS	Mod			Sarah	10-May-10
Mammal	*Ondatra zibethicus*	Muskrat	Wisconsin Driftless Area Natural Division	Center of range	G5	S5	100							100		N	N	N-SD	N	N	SD	SD	N	N	SD	N	N	N/A	N	N	SI-N	U	U	U	U	U	U	U	IL	Mod			Sarah	10-May-10
Mammal	*Oryzomys palustris*	marsh rice rat	Coastal Plain	Northern edge of range		5	2		100		0	100	0			N	SI	N-SD	N	N	N	N-SD	SI-N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High	Species may expand range in assessment area.		comp	21-Jun-10
Mammal	*Oryzomys palustris*	marsh rice rat	Ozarks	Northern edge of range		5	2		100		100	0	0			N	SI-N	N	N	N	N	N-SD	SI-N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High	Species may expand range in assessment area.		comp	21-Jun-10
Mammal	*Oryzomys palustris*	marsh rice rat	Shawnee Hills	Northern edge of range		5	2		100		100	0	0			N	N	N	N	N	N	N-SD	SI-N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High	Species may expand range in assessment area.		comp	21-Jun-10
Mammal	*Peromyscus gossypinus*	Cotton Mouse	Coastal Plain Natural Division	Northern edge of range	G5	SX	100						100			N	N	N	N	N	N	N-SD	N	N	N-SD	N	N	N/A	N	N	SI	U	U	U	U	U	U	U	PS	VH	Species may expand range in assessment area.		comp	10-May-10
Mammal	*Peromyscus gossypinus*	Cotton Mouse	Shawnee Hills Natural Division	Northern edge of range	G5	SX	100						100			N	N	N	N	N	N	N-SD	N	N	N-SD	N	N	N/A	N	N	SI	U	U	U	U	U	U	U	PS	Mod	Species may expand range in assessment area.		comp	10-May-10
Mammal	*Sorex hoyi*	Pygmy Shrew	Northeastern Morainal Natural Division	Southern edge of range	G5	SH	100							100		Inc	N	N	N	N	N	SD	N	N	N-SD	N	N	N/A	N	N	SI-N	U	U	U	U	U	U	U	PS	VH			comp	10-May-10
Mammal	*Spermophilus franklinii*	Franklin's ground squirrel	Grand Prairie	Southern edge of range		5	4		100		0	100	0			N	GI	SI-N-SD	N-SD	N	N	N	N	SI-N	N	SD	N	N-SD	N/A	N	N	U	N	U	U	U	U	U	PS	Mod			Jeff Walk	22-Jun-10
Mammal	*Spermophilus franklinii*	Franklin's ground squirrel	Illinois/Mississippi River Sand Areas	Southern edge of range		5	4		100		0	100	0			N	Inc	SI-N-SD	N-SD	N	N	N	N	SI-N	N	SD	N	N-SD	N/A	N	N	U	N	U	U	U	U	U	PS	VH			Jeff Walk	22-Jun-10
Mammal	*Spermophilus franklinii*	Franklin's ground squirrel	Northeastern Morainal	Southern edge of range		5	4		100		0	0	100			N	Inc	SI-N	N-SD	N	N	N	N	SI-N	N	SD	N	N-SD	N/A	N	N	U	N	U	U	U	U	U	PS	VH			Jeff Walk	22-Jun-10
Mammal	*Sylvilagus aquaticus*	swamp rabbit	Coastal Plain	Northern edge of range		5	3		100		0	100	0			N	SI	N-SD	SD	N	N	N-SD	SI-N	SI-N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod	Species may expand range in assessment area.		comp	22-Jun-10
Mammal	*Sylvilagus aquaticus*	swamp rabbit	Southern Till Plain	Northern edge of range		5	3		100		0	100	0			N	Inc	SI-N-SD	SD	N	N	N-SD	SI-N	SI-N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High	Species may expand range in assessment area.		comp	22-Jun-10
Mammal	*Sylvilagus aquaticus*	swamp rabbit	Wabash Border	Northern edge of range		5	3		100		0	100	0			N	Inc	SI-N-SD	SD	N	N	N-SD	SI-N	SI-N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	VH	Species may expand range in assessment area.		Jeff Walk	22-Jun-10
Mammal	*Tamiasciurus hudsonicus*	red squirrel	Grand Prairie	Southern edge of range		5	3		100		0	100	0			N	GI	SI-N-SD	N	N	SI-N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod			comp	22-Jun-10
Mammal	*Taxidea taxus*	American badger	Grand Prairie Natural Division	East/west edge of range	G5	S4	100							100		GI	N	Dec	N	N	SD	N	N	N	N	N	N-SD	N/A	N	N	N	U	U	U	U	U	U	U	PS	Mod			comp	19-May-10
Mammal	*Taxidea taxus*	American badger	Illinois/Mississippi River Sand Areas Natural Division	East/west edge of range	G5	S4	100							100		Inc	N	Dec	N	N	SD	N	N	N	N	N	N-SD	N/A	N	N	N	U	U	U	U	U	U	U	PS	Mod			comp	19-May-10
Mammal	*Taxidea taxus*	American badger	Middle Mississippi Border	Center of range		5	4		100		0	100	0			N	Inc-SI	SI-N-SD	Dec	N	N	N	N	SI-N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High			comp	22-Jun-10
Mammal	*Taxidea taxus*	American badger	Northeastern Morainal	Center of range		5	4		100		0	0	100			N	Inc	SI-N-SD	Dec	N	N	N	N	SI-N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High			comp	22-Jun-10
Mammal	*Taxidea taxus*	American badger	Rock River Hill Country	Center of range		5	4		100		0	0	100			N	Inc	SI-N-SD	Dec	N	N	N	N	SI-N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High			comp	22-Jun-10
Mammal	*Taxidea taxus*	American badger	Southern Till Plain	Center of range		5	4		100		0	100	0			N	Inc	SI-N-SD	Dec	N	N	N	N	SI-N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High			comp	22-Jun-10
Mammal	*Taxidea taxus*	American badger	Upper Mississippi/Illinois River Bottoms Natural Division	East/west edge of range	G5	S4	100							100		Inc	N	Dec	N	N	SD	N	N	N	N	N	N-SD	N/A	N	N	N	U	U	U	U	U	U	U	IL	VH			Sarah	19-May-10
Mammal	*Taxidea taxus*	American badger	Western Forest prairie	Center of range		5	4		100		0	100	0			N	Inc	SI-N-SD	Dec	N	N	N	N	SI-N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High			comp	22-Jun-10
Mammal	*Taxidea taxus*	American badger	Wisconsin Driftless	Center of range		5	4		100		0	0	100			N	SI-N	SI-N-SD	Dec	N	N	N	N	SI-N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	High			comp	22-Jun-10
Mammal	*Urocyon cinereoargenteus*	gray fox	Lower Mississippi River Bottoms	Center of range		5	5		100		100	0	0			N	GI-Inc	SI-N-SD	Dec	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	High			comp	22-Jun-10
Mammal	*Urocyon cinereoargenteus*	gray fox	Middle Mississippi River Border Natural Division	Center of range	G5	S5	100							100		Inc-SI	N	Dec	N	N	SD	N-SD	N	N	SD	N	SD	N/A	N	N	SI	U	U	U	U	U	U	U	IL	High			comp	19-May-10
Mammal	*Urocyon cinereoargenteus*	gray fox	Northeastern Morainal	Center of range		5	5		100		0	0	100			N	Inc	SI-N-SD	Dec	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod			comp	22-Jun-10
Mammal	*Urocyon cinereoargenteus*	gray fox	Ozarks Natural Division	Center of range	G5	S5	100						100			SI-N	N	Dec	N	N	SD	N-SD	N	N	SD	N	SD	N/A	N	N	SI	U	U	U	U	U	U	U	IL	VH			comp	19-May-10
Mammal	*Urocyon cinereoargenteus*	gray fox	Rock River Hill Country	Center of range		5	5		100		0	0	100			N	Inc	SI-N-SD	Dec	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod			comp	22-Jun-10
Mammal	*Urocyon cinereoargenteus*	gray fox	Shawnee Hills Natural Division	Center of range	G5	S5	100						100			N	N	Dec	N	N	SD	N-SD	N	N	SD	N	SD	N/A	N	N	SI	U	U	U	U	U	U	U	IL	VH			comp	19-May-10
Mammal	*Urocyon cinereoargenteus*	gray fox	Southern Till Plain	Center of range		5	5		100		0	100	0			N	Inc	SI-N-SD	Dec	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod			comp	22-Jun-10

								Temperature Scope		Hamon AET:PET Moisture Metric Scope						Natl barriers	Anth barriers	CC mitigation	Dispersal/Movement	historical thermal niche	physiological thermal niche	historical hydrological niche	physiological hydrological niche	Disturbance	Ice/snow	Phys habitat	Other spp for hab	Diet	Pollinators	Other spp disp	Other spp interaction	Genetic var	Gen bottleneck	Phenol response	Doc response	Modeled change	Modeled overlap	Protected Areas						
Taxonomic Group	**Species**	**English Name**	**Geographic Area**	**Range Rel.**	**Cave/GW**	**GRank**	**SRank**	**A >5.5F**	**A 5.1F**	**< -0.119**	**-0.119**	**-0.096**	**-0.073**	**-0.05**	**>-0.028**	**B2a**	**B2b**	**B3**	**C1**	**C2ai**	**C2aii**	**C2bi**	**C2bii**	**C2c**	**C2d**	**C3**	**C4a**	**C4b**	**C4c**	**C4d**	**C4e**	**C5a**	**C5b**	**C6**	**D1**	**D2**	**D3**	**D4**	**Index**	**Conf.**	**Index Notes**	**Assessment Notes**	**Assessor**	**Date Pasted**
Mammal	*Urocyon cinereoargenteus*	gray fox	Upper Mississippi/Illinois River Bottoms Natural Division	Center of range	G5	S5	100							100		Inc	N	Dec	N	N	SD	N-SD	N	N	SD	N	SD	N/A	N	N	SI	U	U	U	U	U	U	U	IL	High			comp	19-May-10
Mammal	*Urocyon cinereoargenteus*	gray fox	Western Forest Prairie	Center of range		5	5		100		0	100	0			N	Inc	SI-N-SD	Dec	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	PS	Mod			comp	22-Jun-10
Mammal	*Urocyon cinereoargenteus*	gray fox	Wisconsin Driftless	Center of range		5	5		100		0	0	100			N	SI-N	SI-N-SD	Dec	N	N	N	N	N	N	SD	N	N	N/A	N	N	U	N	U	U	U	U	U	IL	High			comp	22-Jun-10