

| Species | Number of Sites Reporting | Site with Highest Count | High Count | Date of High Count |
|------------------------|---------------------------|---------------------------------|------------|--------------------|
| Least Skipper | 43 | McKee Marsh | 69 | 9/15/2010 |
| Sachem | 1 | Turtlehead Lake Forest Preserve | 1 | 9/5/2010 |
| Delaware Skipper | 13 | Lake of the Woods | 7 | 7/25/2010 |
| Dusted Skipper | 3 | DuPont Natural Area | 1 | 5/28/2010 |
| Silver Spotted Skipper | 37 | Braidwood Dunes | 19 | 8/6/2010 |
| Wild Indigo Duskywing | 16 | Lake of the Woods | 131 | 8/3/2010 |
| Funereal Duskywing | 3 | Prairie Wolf Slough | 1 | 8/9/2010 |
| Horace's Duskywing | 2 | Morton Arboretum Heritage Trail | 1 | 6/30/2010 |
| Juvenal's Duskywing | 2 | Forest Park | 4 | 6/30/2010 |
| Black Dash | 9 | Bluff Spring Fen | 16 | 6/28/2010 |
| Dion Skipper | 8 | Dick Young North | 9 | 6/25/2010 |
| Dun Skipper | 8 | Hickory Creek Barrens | 12 | 7/11/2010 |
| Ottoe Skipper | 1 | Ivanhoe Preserve | 2 | 6/30/2010 |
| Fiery Skipper | 18 | Turtlehead Lake Forest Preserve | 17 | 9/5/2010 |
| Common Sootywing | 4 | Meadowbrook Prairie | 7 | 7/27/2010 |
| Hobomok Skipper | 3 | Dan McMahan | 3 | 6/6/2010 |
| Mulberrywing | 2 | Bluff Spring Fen | 2 | 6/28/2010 |
| Broadwinged Skipper | 6 | Mary McDonald Woods | 27 | 7/19/2010 |
| Zabulon Skipper | 3 | Orland Grasslands | 1 | 7/27/2010 |
| Peck's Skipper | 31 | Turtlehead Lake Forest Preserve | 24 | 9/5/2010 |
| Long Dash | 3 | Cotton Creek Marsh | 1 | 6/24/2010 |
| Crossline Skipper | 3 | Somme Prairie Grove | 2 | 8/15/2010 |
| Tawny Edge | 17 | Stickney Run | 9 | 7/12/2010 |
| Little Glassywing | 3 | Spears Woods | 3 | 6/20/2010 |
| Byssus Skipper | 2 | Hickory Creek Barrens | 2 | 7/4/2010 |
| Checkered Skipper | 4 | Thomson-Fulton Sand Prairie | 34 | 8/23/2010 |
| Southern Cloudywing | 2 | Turtlehead Lake Forest Preserve | 2 | 7/10/2010 |
| Northern Cloudywing | 6 | Orland Grasslands | 3 | 9/17/2010 |
| European Skipper | 23 | Midewin South Patrol Road | 69 | 6/7/2010 |
| Broken Dash | 5 | Bluff Spring Fen | 1 | 6/28/2010 |
| Black Swallowtail | 69 | Orland Grasslands | 29 | 9/17/2010 |
| Tiger Swallowtail | 79 | Lyman Woods | 31 | 7/29/2010 |
| Giant Swallowtail | 7 | Hickory Creek Barrens | 3 | 8/29/2010 |
| Spicebush Swallowtail | 5 | Iroquois Prairie | 2 | 8/23/2010 |

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| Pipevine Swallowtail | 6 | Greene Valley Forest Preserve | 6 | 7/10/2010 |
| Zebra Swallowtail | 1 | Montrose Point Magic Hedge | 1 | 6/17/2010 |
| Cabbage White | 88 | Midewin South Patrol Road | 122 | 7/12/2010 |
| Checkered White | 6 | Midewin Middle Grant Creek West | 14 | 6/30/2010 |
| Common/Orange Sulphur | 86 | Orland Grasslands | 145 | 9/17/2010 |
| Little Yellow | 19 | Orland Grasslands | 103 | 7/27/2010 |
| Dwarf Sulphur | 4 | Midewin Blodgett Road | 14 | 8/1/2010 |
| Cloudless Sulphur | 11 | Meadowbrook Prairie | 24 | 8/12/2010 |
| Olive Hairstreak | 1 | Turtlehead Lake Forest Preserve | 1 | 6/9/2010 |
| Coral Hairstreak | 10 | Orland Grasslands | 4 | 6/19/2010 |
| Acadian Hairstreak | 4 | Stickney Run | 4 | 7/2/2010 |
| Banded Hairstreak | 9 | North Park Village Nature Center | 9 | 6/24/2010 |
| Edwards Hairstreak | 1 | Turtlehead Lake Forest Preserve | 1 | 8/1/2010 |
| Striped Hairstreak | 2 | Somme Prairie Grove | 2 | 7/10/2010 |
| Gray Hairstreak | 4 | Greene Valley Forest Preserve | 2 | 7/3/2010 |
| Purplish Copper | 3 | Orland Grasslands | 2 | 9/17/2010 |
| American Copper | 8 | Thomson-Fulton Sand Prairie | 16 | 6/22/2010 |
| Bronze Copper | 9 | Dan McMahan | 6 | 6/6/2010 |
| Spring Azure | 89 | Midewin Blodgett Road | 177 | 7/25/2010 |
| Eastern Tailed Blue | 51 | Lake of the Woods | 61 | 7/13/2010 |
| Harvester | 1 | Lyman Woods | 1 | 7/29/2010 |
| Snout Butterfly | 8 | Montrose Point Magic Hedge | 3 | 7/17/2010 |
| Hackberry Butterfly | 13 | Braidwood Dunes | 7 | 8/6/2010 |
| Tawny Emperor | 2 | Braidwood Dunes | 1 | 7/22/2010 |
| Viceroy | 48 | Waterfall Glen Dolomite Prairie | 39 | 8/22/2010 |
| Red-Spotted Purple | 45 | Lake of the Woods | 23 | 7/13/2010 |
| Red Admiral | 81 | Green River | 51 | 6/23/2010 |
| American Painted Lady | 38 | Midewin Middle Grant Creek West | 24 | 8/6/2010 |
| Painted Lady | 42 | Green River | 25 | 8/1/2010 |
| Buckeye | 60 | Midewin Middle Grant Creek East | 72 | 8/15/2010 |
| Milbert's Tortoiseshell | 1 | Turtlehead Lake Forest Preserve | 1 | 6/29/2010 |
| Mourning Cloak | 43 | Cherry Hill Woods | 5 | 8/14/2010 |
| Question Mark | 55 | Dick Young North | 7 | 6/7/2010 |
| Comma | 26 | Morton Arboretum Heritage Trail | 5 | 8/2/2010 |

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| Silvery Checkerspot | 12 | Dan McMahon | 6 | 8/1/2010 |
| Pearl Crescent | 88 | Midewin South Patrol Road | 564 | 7/26/2010 |
| Baltimore Checkerspot | 5 | Bluff Spring Fen | 24 | 6/6/2010 |
| Silver-Bordered Fritillary | 1 | Green River | 1 | 8/1/2010 |
| Meadow Fritillary | 8 | Midewin South Patrol Road | 11 | 6/25/2010 |
| Regal Fritillary | 5 | Nachusa Grasslands | 47 | 6/24/2010 |
| Great Spangled Fritillary | 62 | West Chicago Prairie | 39 | 6/17/2010 |
| Aphrodite | 3 | Green River | 12 | 6/17/2010 |
| Variegated Fritillary | 6 | Burnidge Forest Preserve | 5 | 6/28/2010 |
| Monarch | 97 | Orland Grasslands | 110 | 9/17/2010 |
| Common Wood Nymph | 54 | Somme Prairie Grove | 70 | 7/10/2010 |
| Pearly Eye | 24 | Freeman Kame | 16 | 7/10/2010 |
| Little Wood Satyr | 35 | Ivanhoe Preserve | 57 | 5/28/2010 |
| Eyed Brown | 22 | Illinois Beach Dead River Trail | 72 | 6/14/2010 |
| Appalachian Brown | 6 | Ivanhoe Preserve | 24 | 6/30/2010 |