

Session 1: Friday, 12 noon – 4 pm

Team No.	Species/Notes	Leader	Location	Start	End	No. Openings
1	Terrestrial plants Please dress for field work; preferably wear sturdy shoes, old clothes and a hat. Bring water to drink. Insect repellent and sunblock are also recommended.	Mary Carrington	Hobart Prairie Grove	12:00 PM	4:00 PM	10
2	Aquatic invertebrates, Other Watch scientist operate underwater remote operated vehicle in Lake Michigan to sample for water quality.	Cary Troy	West Beach/Lake Michigan	12:00 PM	4:00 PM	40
3	Aquatic plants, Terrestrial plants Identify flora and fauna in the Great Marsh. Wear boots or shoes that can get muddy and/or wet; long pants and long sleeves, if raining bring a parka; must be 16 yrs old or accompanied by an adult; prepare for mosquitoes; bring work gloves	Mary White	Great Marsh	12:30 PM	4:00 PM	8
4	Birds Walk along trails, searching for birds. Bring your binoculars and wear sturdy shoes.	Douglas Stotz	Inland Marsh	12:30 PM	4:00 PM	6
5	Fungi Hunting for mushrooms. Walking through poison ivy possible. Long sleeves and long pants encouraged.	Zhao Tang	Inland Marsh	12:30 PM	2:30 PM	10
6	Terrestrial plants hiking in the dunes....a lot of walking	Traci Viinanan	Inland Marsh	12:30 PM	3:50 PM	10
7	Aquatic insects, Aquatic invertebrates, Fish Using nets to collect aquatic invertebrates and fishes. Prepare to get wet or bring waders; can watch from bank.	James Ladonski	West Beach Trail System	12:30 PM	2:30 PM	10
8	Aquatic plants, Terrestrial plants Identify plant species, document/ photograph phenology and phenotypes, and collect small leaf samples of species of interest	Paul Grabowski	West Beach Trail System	12:30 PM	3:00 PM	8
9	Aquatic plants Watch scientist operate underwater remote operated vehicle in Long Lake to sample for aquatic plants.	Mark Gleason	West Beach/Lake Michigan - Long Lake	12:30 PM	4:00 PM	40
10	Aquatic invertebrates Wading in streams and marshes for aquatic invertebrates. Knee or hip boots or old tennis shoes are appropriate footwear.	Jochen Gerber	Bailly/Chellberg/Little Calumet River	1:00 PM	4:00 PM	10
11	Aquatic invertebrates and plants wading in streams or wet areas to find aquatic insects or wetland plants; must be at least 15 years old	Christine Kirk	Bailly/Chellberg/Little Calumet River	1:00 PM	3:00 PM	10
12	Terrestrial insects Weather permitting search for butterflies. Prepare for the possibility of biting insects, heat, poison ivy and long periods of walking.	John Henry Drake	Calumet Prairie	1:00 PM	4:00 PM	10
13	Terrestrial plants Prepare to be wet. Knee-high rubber boots recommended. Long pants, long sleeve shirt, hat. walking through dense vegetation can be strenuous. bring drinking water.	Derek Nimetz	Calumet Prairie	1:00 PM	4:00 PM	6
14	Aquatic insects, Terrestrial insects	William	Cowles Bog Trail	1:00	4:00	10

	Aquatic and Terrestrial Insects, prepare to get wet. waders may be of help but are not necessary.	Nichols		PM	PM	
15	Bryophytes Prepare for field work in heavy vegetation (wetland, swamp, shrubs, etc), suitable footwear; probably not best for young children	Gary Merrill	Cowles Bog Trail	1:00 PM	4:00 PM	10
16	Fungi walking through woods looking for fungi.	Greg Mueller	Cowles Bog Trail	1:00 PM	3:00 PM	10
17	terrestrial plants Identify plants and insects along a trail.	Alison Anastasio	Cowles Bog Trail	1:00 PM	4:00 PM	6
18	Amphibians and reptiles prepare to get wet and dirty, knee boots desirable.	David Beamer	Douglas Center/Miller Woods Trail	1:00 PM	4:00 PM	10
19	Amphibians and reptiles Surveys for amphibians and reptiles; hiking and turning over rocks and logs	James McLister	Douglas Center/Miller Woods Trail	1:00 PM	4:00 PM	10
20	Birds Should have binoculars if possible. Should be willing to be quiet and listen for birds as well as look.	Laurie Eberhardt	Douglas Center/Miller Woods Trail	1:00 PM	4:00 PM	10
21	Birds, Mammals, Terrestrial plants	Norbert Cordeiro	Douglas Center/Miller Woods Trail	1:00 PM	4:00 PM	10
22	Terrestrial insects Checking insect traps, sifting leaf litter, sweep netting and walking around the collection site. The participants should have walking shoes or boots, long pants, insect repellent and rain gear	Jim Louderman	Douglas Center/Miller Woods Trail	1:00 PM	4:00 PM	10
23	Terrestrial plants phenology mapping using iPhones	Justin Borevitz	Douglas Center/Miller Woods Trail	1:00 PM	4:00 PM	10
24	Aquatic plants, Terrestrial plants Photographing and collecting plants. Prepare to get wet. Participants with good photographic skills and their own cameras, and an interest in photographing the diversity of plants, are encouraged to attend. Participants should be 18 years or older unless very able in the field and accompanied by a guardian.	Andrew Hipp	Douglas Center/Miller Woods Trail	1:00 PM	4:00 PM	10
25	Amphibians and reptiles Wading in streams and wetlands, prepare to get wet.	Gary Glowacki	Great Marsh	1:00 PM	4:00 PM	10
26	Aquatic insects Collecting aquatic insects means participants will get wet [and enjoy every minute of it].	Michael Meyer	Great Marsh	1:00 PM	4:00 PM	10
27	Birds Identify birds in the Great Marsh, bring binoculars and wear sturdy shoes.	Ralph Grundel	Great Marsh	1:00 PM	2:00 PM	10
28	Aquatic insects, Aquatic invertebrates, Aquatic plants, Fish Wading in streams to catch fish and aquatic organisms. Be prepared to get wet and muddy. Bring your own waders and/or swim trunks and water shoes. Ability to swim strongly recommended for safety. Some off-trail physical activity required to	Tim Wootton	Heron Rookery/Little Calumet River	1:00 PM	4:00 PM	8

	get to sites and help with seining.					
29	Terrestrial insects Catching dragonflies and damselflies with nets	Jenna McAdoo	Heron Rookery/Little Calumet River	1:00 PM	4:00 PM	10
30	Terrestrial plants Plant ID: wet, boots, long sleeves/pants, repellent, water, Swink and Wilhelm, 1994.	David Hamilla	Heron Rookery/Little Calumet River	1:00 PM	4:00 PM	5
31	Terrestrial plants Photographing, identifying and collecting flowering plants. Exclusively wonderful for wild flower and plant photograph lovers.	Wenchi Jin	Heron Rookery/Little Calumet River	1:00 PM	4:00 PM	10
32	Terrestrial insects, Terrestrial invertebrates Wear comfortable clothing. Be prepared for hiking. Bring water.	Jonathan Neal	Hoosier Prairie	1:00 PM	4:00 PM	10
33	Terrestrial plants keep-up, expect to get wet feet and to be stabbed by plants and insects	Bill McKnight	Hoosier Prairie	1:00 PM	3:30 PM	6
34	Terrestrial plants Insects, poison ivy, lack of trails.	Tom Post	Hoosier Prairie	1:00 PM	4:00 PM	10
35	Terrestrial insects It's better if adults can accompany the kids.	Kapil Raje	Howes Prairie	1:00 PM	4:00 PM	10
36	Terrestrial insects We will be finding butterflies, dragonflies, tiger beetles, and other insects. We will be using nets, binoculars, and cameras. Participants must be at least 10 years old, and all participants under 18 must be accompanied by an adult.	Doug Taron	Howes Prairie	1:00 PM	4:00 PM	10
37	Amphibians and reptiles Wading in wetlands for amphibians, terrestrial searches for snakes. Check traps.	Robert Brodman	Inland Marsh	1:00 PM	3:30 PM	10
38	Amphibians and reptiles Looking for amphibians and reptiles in wet areas including in the water. Be prepared to get muddy and or wet. Binoculars may be helpful. Bring a field guide if you have one. Be prepared for poison ivy and biting insects (no pesticides if handling herps).	Pat Clark	Inland Marsh	1:00 PM	4:00 PM	10
39	Terrestrial insects Walk 1-3mi, sieve insects from & take down traps, sift leaf litter, look for beetles	Margaret Thayer	Inland Marsh	1:00 PM	4:00 PM	10
40	Terrestrial plants Wandering through the habitat preferably on a trail and stopping to look at the plants growing there.	Joseph F. Metzger, Jr.	Inland Marsh	1:00 PM	3:30 PM	10
41	Aquatic plants, Terrestrial plants Walk along trail and identify plants both terrestrial and aquatic - may get wet.	christine urban	Ly-co-ki-we Trail	1:00 PM	4:00 PM	10
42	Lichens The participants will learn about lichens and how to identify some common species; emphasis will be placed on lichens growing on trees. A hand lens is recommended, as well as small paper bags for collections.	Matthew Nelsen	Ly-co-ki-we Trail	1:00 PM	3:00 PM	10
43	Terrestrial insects Terrestrial Insects - Hiking Trails	Arwin Provonsha	Ly-co-ki-we Trail	1:00 PM	4:00 PM	10
44	Terrestrial invertebrates Collection of insects and particularly ants. Shouldn't be too exhausting but must be able to hike/scramble if necessary.	Daniel Kjar	Ly-co-ki-we Trail	1:00 PM	3:30 PM	10

45	Terrestrial plants Walking in sandy and sometimes steep terrain, ticks and mosquitoes are common; dressing comfortably in boots, long pants, and long-sleeved shirts are strongly recommended. Bring field guides and a hand lens, if you have them.	Karen Quinlan	Ly-co-ki-we Trail	1:00 PM	4:00 PM	10
46	Terrestrial plants Walk along trail and identify plants.	Yvonne Stokes	Ly-co-ki-we Trail	1:00 PM	4:00 PM	10
47	Amphibians and reptiles Wading in streams and wetlands, prepare to get wet.	James Parham	Miller Woods Pannes	1:00 PM	3:00 PM	3
48	Aquatic plants aquatic plant survey - get wet	Scott Namestnik	Miller Woods Pannes	1:00 PM	4:00 PM	4
49	Aquatic insects, Aquatic invertebrates Wading in streams and marshes for aquatic insects. Be prepared to get wet. Knee or hip boots or old tennis shoes are appropriate footwear. If you have white trays or a net, bring them.	Diane Trgovcich-Zacok	Mnoke Prairie/Little Calumet River	1:00 PM	4:00 PM	8
50	Birds Should have binoculars if possible. Should be willing to be quiet and listen for birds as well as look.	Jason Weckstein	Mnoke Prairie/Little Calumet River	1:00 PM	4:00 PM	6
51	Terrestrial insects Set up bee bowls and use nets to collect bees from flowers	Robert Jean	Mnoke Prairie/Little Calumet River	1:00 PM	4:00 PM	6
52	Terrestrial insects, Terrestrial plants Search for and identify plants and dragonflies. Wear thick pants and close toed shoes lots of thorns on plants.	David Sollenberger	Mnoke Prairie/Little Calumet River	1:00 PM	3:00 PM	10
53	Terrestrial plants Dress for the weather; long pants, long sleeved shirts, cap, comfortable sturdy walking shoes required. Bring insect repellent, sunscreen, water. Definitely bring a sense of humor and a sense of adventure!	Julie Sacco	Mnoke Prairie/Little Calumet River	1:00 PM	4:00 PM	10
54	Terrestrial insects Collecting insect. Wear appropriate clothing for the area. A hat and comfortable shoes are recommended. Participants may get wet, however I do not plan on collecting aquatic insects.	Tabatha Carroll	Mt Baldy	1:00 PM	4:00 PM	10
55	Terrestrial insects Collection of insects. Shouldn't be too exhausting but must be able to hike/scramble if necessary.	David Cowan	Mt Baldy	1:00 PM	4:00 PM	10
56	Terrestrial plants Note taking, collecting & handling plant samples,	James Hitz	Mt Baldy	1:00 PM	4:00 PM	10
57	Aquatic plants, Terrestrial plants We will explore Pinhook Bog to make a comprehensive species list of vascular plants. This is a bog, a unique and interesting habitat type with lots of standing water, so be prepared to wade through water and possibly to get wet. Also there may be some mosquitoes so prepare for that as well.	Mary Ann Feist	Pinhook Bog	1:00 PM	4:00 PM	4
58	Terrestrial insects, Terrestrial invertebrates	Jeffrey	Pinhook Bog	1:00	3:00	10

	Beetle sampling.	Holland		PM	PM	
59	Aquatic insects Wading in streams and marshes for aquatic insects. Be prepared to get wet. Knee or hip boots or old tennis shoes are appropriate footwear. If you have white trays or a net, bring them.	R Edward DeWalt	State Park/Dunes Creek	1:00 PM	3:00 PM	10
60	Terrestrial insects Comfortable and sturdy shoes.	Torsten Dikow	State Park/Dunes Creek	1:00 PM	4:00 PM	5
61	Terrestrial plants Activity will be field identification of tree species with collection of specimens as needed. Activity will include hiking over moderate to rough terrain and through brushy and wet areas. Wear sturdy hiking shoes, long pants and long sleeved shirt. Bring any taxonomy keys available. Recommended but not required: digital camera, knife or pruning shears, field lens, and compass.	Gina Darnell	State Park/Dunes Creek	1:00 PM	3:30 PM	10
62	Terrestrial plants Walk around the trails and identify plants from the Ranunculaceae family. Take a picture of that and if possible a leaf material keep it on ice. The pictures I would like people to be able and geotag them	Christos Noutsos	State Park/Dunes Creek	1:00 PM	4:00 PM	10
63	Amphibians and reptiles Please prepare to get wet, as we might be wading in streams or wetlands. Chance that you may be bitten. Wear long pants, sturdy shoes or boots, bug spray and sun block.	Jace Robinson	West Beach Trail System	1:00 PM	3:30 PM	10
64	Terrestrial insects observation/photography/survey of dragonflies and damselflies. Weather permitting, Bring field guides, binoculars or camera, sun screen, water, small notebook/ pencil. Able to hike over dunes. Wear long sleeves, long pants, hat. Knee boots or old shoes might be useful to get wet.	Deborah Mikasser	West Beach Trail System	1:00 PM	4:00 PM	10
65	Terrestrial insects Look for insects and traverse successional zones from beach inland. Age --old enough to keep up. I'm 74.	John Wagner	West Beach Trail System	1:00 PM	3:00 PM	10
66	Fish Participants should wear chest waders or swimwear with beach shoes. We will be wading into Lake Michigan and hauling a 50 ft beach seine into shore. The net is heavy and requires some muscle. Water will be cold!	Thomas Simon	West Beach/Lake Michigan	1:00 PM	3:30 PM	15
67	Amphibians and reptiles Hike to find amphibians and reptiles; dress for the weather	Teresa Yoder	West Beach Trail System	2:30 PM	4:30 PM	6

Session 2: Friday, 4-8 pm

Team No.	Species/Notes	Leader	Location	Start	End	No. Openings
68	Aquatic plants, Terrestrial plants	Stephanie	Calumet Prairie	3:00	7:00	5

	We will survey aquatic and terrestrial vascular plants. Wear durable shoes, we might get our feet wet. Hat and sunscreen.	Frischie		PM	PM	
69	Terrestrial plants keep-up, expect to get wet feet and to be stabbed by plants and insects	Bill McKnight	Calumet Prairie	4:00 PM	8:00 PM	10
70	Amphibians and reptiles Wading in wetlands for amphibians, terrestrial searches for snakes. Check traps.	Robert Brodman	Cowles Bog Trail	4:00 PM	7:00 PM	10
71	Amphibians and reptiles prepare to get wet and dirty, knee boots desirable.	David Beamer	Douglas Center/Miller Woods Trail	4:00 PM	7:00 PM	10
72	Amphibians and reptiles Looking for amphibians and reptiles	Steve Sullivan	Douglas Center/Miller Woods Trail	4:00 PM	8:00 PM	10
73	Terrestrial insects Setting up baited pitfall traps for beetles	Paul Frohnapple	Douglas Center/Miller Woods Trail	4:00 PM	8:00 PM	10
74	Aquatic insects Collecting aquatic insects means participants will get wet [and enjoy every minute of it].	Michael Meyer	Great Marsh	4:00 PM	8:00 PM	10
75	Aquatic invertebrates, Terrestrial invertebrates Wading in streams and marshes for aquatic invertebrates and mollusks. Be prepared to get wet. Knee or hip boots or old tennis shoes are appropriate footwear.	Stephanie Clark	Heron Rookery/Little Calumet River	4:00 PM	8:00 PM	5
76	Aquatic plants, Terrestrial plants Terrestrial plant survey hiking on trails	Noel Pavlovic	Heron Rookery/Little Calumet River	4:00 PM	6:00 PM	8
77	Terrestrial insects Catching dragonflies and damselflies with nets	Jenna McAdoo	Heron Rookery/Little Calumet River	4:00 PM	6:00 PM	10
78	Terrestrial plants Wear sturdy foot wear, long pants and socks for poison ivy, and there may be muddy and slippery clay if it has been rainy.	Sandy O'Brien	Hobart Prairie Grove	4:00 PM	7:00 PM	10
79	Amphibians and reptiles Please prepare to get wet, as we might be wading in streams or wetlands. Chance that you may be bitten. Wear long pants, sturdy shoes or boots, bug spray and sun block	Jace Robinson	Inland Marsh	4:00 PM	7:00 PM	10
80	Amphibians and reptiles. We'll be searching wet and dry areas and checking aquatic funnel traps. Rubber boots or waders will be useful, but not necessary. Be prepared to get muddy and or wet.	Matthew Chatfield	Inland Marsh	4:00 PM	8:00 PM	10
81	Terrestrial insects Check Malaise and pitfall traps. Sweep and roll rocks and logs. Participants should bring sweep nets if they have them.	Bruce Cummings	Ly-co-ki-we Trail	4:00 PM	8:00 PM	9
82	Terrestrial plants Activity will be field identification of tree species with collection of specimens as needed. Hiking over moderate terrain. Wear sturdy hiking shoes, long pants and long sleeved shirt. Bring any taxonomy	Gina Darnell	Ly-co-ki-we Trail	4:00 PM	6:00 PM	10

	field keys available. Recommended but not required: digital camera, knife or pruning shears, field lens, and compass.					
83	Mammals, Terrestrial insects, Other Headlamp or flashlight required	Carl Dick	Mnoke Prairie/Little Calumet River	4:00 PM	8:00 PM	10
84	Aquatic invertebrates, Terrestrial plants, Other wading in streams or wet areas to find aquatic insects or wetland plants; be ready to get wet; must be at least 15 years old	Christine Kirk	Mnoké Prairie/Little Calumet River	4:00 PM	7:00 PM	10
85	Terrestrial plants Wandering through the habitat preferably on a trail and stopping to look at the plants growing there.	Joseph F. Metzger, Jr.	State Park/Dunes Creek	4:00 PM	8:00 PM	10
86	Terrestrial plants Walk around the trails and identify plants from the Ranunculaceae family. Take a picture of that and if possible a leaf material keep it on ice. The pictures I would like people to be able and geotag them	Christos Noutsos	State Park/Dunes Creek	4:00 PM	8:00 PM	10
87	Aquatic plants, Terrestrial plants Identify plant species, document/ photograph phenology and phenotypes, and collect small leaf samples of species of interest	Paul Grabowski	West Beach Trail System	4:00 PM	7:00 PM	8
88	Birds Walk along trails, searching for birds. Bring your binoculars and wear sturdy shoes.	Douglas Stotz	West Beach Trail System	4:00 PM	8:00 PM	6
89	Aquatic plants Watch scientist operate underwater remote operated vehicle in Long Lake to sample for aquatic plants.	Mark Gleason	West Beach/Lake Michigan - Long Lake	4:00 PM	8:00 PM	40
90	Terrestrial insects Collecting insects and other related organisms, with nets. Searching on trees, under logs and rocks, and on flowers.	Gary Hevel	West Beach Trail System	4:10 PM	5:30 PM	10
91	Terrestrial plants hiking in the dunes....a lot of walking	Traci Viinanen	West Beach Trail System	4:10 PM	7:50 PM	10
92	Amphibians and reptiles Looking for amphibians and reptiles in wet areas including in the water. Be prepared to get muddy and or wet. Binoculars may be helpful. Bring a field guide if you have one, and a good flashlight. Be prepared for poison ivy and biting insects (no pesticides if handling herps).	Pat Clark	Cowles Bog Trail	4:30 PM	8:00 PM	10
93	terrestrial plants Identify plants and insects along a trail.	Alison Anastasio	Cowles Bog Trail	4:30 PM	8:00 PM	6
94	Fish, Aquatic Macroinvertebrates, Other Seining, dip netting, and hand collection of fish and crayfish. Plan on getting muddy and wet. Wear appropriate clothes or chest waders. We will be wading into the ponds and wetlands and will be stepping into soft substrates and uneven terrain. The sampling can be difficult and you will get dirty if you participate! Others can watch and stay dry.	Thomas Simon	Douglas Center/Miller Woods Trail	4:30 PM	6:30 PM	10
95	Terrestrial insects, Terrestrial invertebrates Baiting for carrion beetles - must be able to	Robert Jean	Douglas Center/Miller Woods	4:30 PM	8:00 PM	6

	dig and have a strong stomach. Traps are baited with rotting chicken!!		Trail			
96	Aquatic insects, Terrestrial insects prepare to get wet. waders may be of help but are not necessary.	William Nichols	Great Marsh	4:30 PM	8:00 PM	10
97	Terrestrial plants Terrestrial plant survey hiking on trails	Scott Namestnik	Howes Prairie	4:30 PM	8:00 PM	10
98	Amphibians and reptiles Prepare for the possibility of inclement weather/light rain, getting wet and muddy, biting insects, poison ivy and strenuous walking.	John Henry Drake	Inland Marsh	4:30 PM	8:00 PM	10
99	Terrestrial insects Collection of insects. Shouldn't be too exhausting but must be able to hike/scramble if necessary.	David Cowan	Ly-co-ki-we Trail	4:30 PM	8:00 PM	10
100	Aquatic insects, Aquatic invertebrates Wading in streams and marshes for aquatic insects. Be prepared to get wet. Knee or hip boots or old tennis shoes are appropriate footwear. If you have white trays or a net, bring them.	Diane Trgovcich-Zacok	Mnoke Prairie/Little Calumet River	4:30 PM	8:00 PM	10
101	Terrestrial insects Picking up and processing bees and other insects captured in bowl traps	Sam Droege	Mnoke Prairie/Little Calumet River	4:30 PM	6:30 PM	6
102	Birds, Other Walk along trails, searching for birds. Bring your binoculars and wear sturdy shoes. May be mistnetting.	Jason Weckstein	State Park/Dunes Creek	4:30 PM	8:00 PM	6
103	Terrestrial plants Walking in sandy and sometimes steep terrain, ticks and mosquitoes are common; dressing comfortably in boots, long pants, and long-sleeved shirts are strongly recommended. Bring field guides and a hand lens, if you have them.	Karen Quinlan	West Beach Trail System	4:30 PM	8:00 PM	10
104	Terrestrial insects, Terrestrial invertebrates Beetle sampling.	Jeffrey Holland	Mt Baldy	5:00 PM	7:00 PM	10
105	Terrestrial insects Wear appropriate clothing for the area. A hat and comfortable shoes are recommended. Participants may get wet, however I do not plan on collecting aquatic insects.	Tabatha Carroll	West Beach Trail System	5:00 PM	7:30 PM	10
106	Amphibians and reptiles Flipping logs, dip-netting, call surveys; may get wet or muddy	Nicole Soderberg	Bailly/Chellberg/Little Calumet River	6:00 PM	8:00 PM	10

Session 3: Friday 8 pm – 12 midnight

Team No.	Species/Notes	Leader	Location	Start	End	No. Openings
107	Terrestrial insects Walk 1-3mi; set up blacklight before dark, stay after dark; bring flashlight/headlamp	Margaret Thayer	Mnoke Prairie/Little Calumet River	7:00 PM	11:00 PM	10
108	Mammals Mist netting bats and listening to bats with an Anabat at night. Head lamp and/or flashlight. Warm clothes including long pants. Possibly bug repellent Since we will be in one general area, the public may leave before our intended quitting time.	Jean Mengelkoch	Bailly/Chellberg/Little Calumet River	7:30 PM	12:00 AM	20

109	Birds Calling for owls. Bring headlamp or small flashlight and warm clothes.	David Johnson	Bailly/Chellberg/Little Calumet River	8:00 PM	12:00 AM	40
110	Amphibians Frog call surveys; get wet and muddy; flashlight and batteries required	James McLister	Douglas Center/Miller Woods Trail	8:00 PM	12:00 AM	10
111	Amphibians and reptiles - Frog calling survey; prepare to get wet/muddy; dress warmly; Wipe on (no spray) insect repellent. Ability to sit quietly in one place and listen. Bring headlamp or flashlight with extra batteries.	Deborah Mikasser	Douglas Center/Miller Woods Trail	8:00 PM	12:00 AM	10
112	Burying Beetles Setting up baited pitfall traps for beetles	Paul Frohnapple	Douglas Center/Miller Woods Trail	8:00 PM	10:00 PM	10
113	Terrestrial insects Wear appropriate clothing for the area. A hat and comfortable shoes are recommended. Participants may get wet, however I do not plan on collecting aquatic insects.	Tabatha Carroll	Douglas Center/Miller Woods Trail	8:00 PM	12:00 AM	10
114	Terrestrial insects We will have a sheet and black light set up, and see what comes in. Specimens that require ID will be taken for identification at the science tent the next day.	Doug Taron	Douglas Center/Miller Woods Trail	8:00 PM	12:00 AM	10
115	Mammals, Terrestrial insects, Other Bat surveys. Headlamp or flashlight required	Carl Dick	Mnoke Prairie/Little Calumet River	8:00 PM	12:00 AM	10
116	Terrestrial insects, Terrestrial invertebrates We will collect at blacklights and traps. Bring flashlights.	Jonathan Neal	Mnoke Prairie/Little Calumet River	8:00 PM	12:00 AM	10
117	Aquatic insects Most likely stay dry, but bring insect repellent. UV lights to trap adults if weather is favorable. 10:30-midnight identifying specimens at table.	R Edward DeWalt	State Park/Dunes Creek	8:00 PM	10:30 PM	10
118	Terrestrial insects The end time depends on the temperatures and insect activity, as well as the interest of the group attending. Set up a black light – mercury vapor light and attempt to identify some of the specimens that are attracted to the sheet.	Jim Louderman	State Park/Dunes Creek	8:00 PM	10:00 PM	10
119	Terrestrial plants Walk around the trails and identify plants from the Ranunculaceae family. Take a picture of that and if possible a leaf material keep it on ice. The pictures I would like people to be able and geotag them. Also we will try to identify their pollinators by observing the insects, birds attracted by them	Christos Noutsos	State Park/Dunes Creek	8:00 PM	10:00 PM	10
120	Amphibians and reptiles prepare to get wet and dirty, knee boots desirable.	David Beamer	West Beach Trail System	8:00 PM	12:00 AM	10
121	Terrestrial insects Collect at black light and Malaise traps.	Bruce Cummings	State Park/Dunes Creek	8:30 PM	12:00 AM	10
122	Amphibians and reptiles Frog call surveys	Robert Brodman	Douglas Center/Miller Woods Trail	9:00 PM	11:00 PM	10

123	Terrestrial insects Look for fireflies. If they are present, can talk about flash patterns, and other aspects of firefly biology.	Arwin Provonsha	Mnoke Prairie/Little Calumet River	9:00 PM	11:00 PM	10
124	Amphibians and reptiles Learn how to count frogs and toads by listening to their calls. Dress for the weather	Teresa Yoder	State Park/Dunes Creek	9:30 PM	11:00 PM	10

Session 4: Saturday 12 midnight – 4 am

Team No.	Species/Notes	Leader	Location	Start	End	No. Openings
125	Birds Owl survey. Bring headlamp or small flashlight and warm clothes.	David Johnson	Bailly/Chellberg/Little Calumet River	12:00 AM	4:00 AM	40
126	Amphibians Frog call surveys; get wet and muddy; flashlight and batteries required	James McLister	Douglas Center/Miller Woods Trail	12:00 AM	2:00 AM	10
127	Terrestrial insects Wear appropriate clothing for the area. A hat and comfortable shoes are recommended. Participants may get wet, however I do not plan on collecting aquatic insects.	Tabatha Carroll	Douglas Center/Miller Woods Trail	12:00 AM	3:30 AM	10
128	Terrestrial insects Beetle sampling with black light.	Jeffrey Holland	State Park/Dunes Creek	12:00 AM	2:00 AM	10

Session 5: Saturday 4-8 am

Team No.	Species/Notes	Leader	Location	Start	End	No. Openings
129	Birds Owl survey. Bring headlamp or small flashlight and warm clothes.	David Johnson	Bailly/Chellberg/Little Calumet River	4:00 AM	8:00 AM	40
130	Birds Should have binoculars if possible. Should be willing to be quiet and listen for birds as well as look.	Laurie Eberhardt	West Beach Trail System	4:00 AM	7:30 AM	10
131	Terrestrial insects Wear appropriate clothing for the area. A hat and comfortable shoes are recommended. Participants may get wet, however I do not plan on collecting aquatic insects.	Tabatha Carroll	West Beach Trail System	4:00 AM	7:00 AM	10
132	Birds Walking trails, searching for birds. Bring binoculars and wear sturdy shoes. Should be willing to be quiet and listen for birds as well as look.	Nicholas Block	Bailly/Chellberg/Little Calumet River	5:00 AM	8:00 AM	10
133	Birds Mist netting for birds. Identification and banding birds.	Sandra Wilmore	Douglas Center/Miller Woods Trail	5:00 AM	8:00 AM	10
134	Birds Walk along trails, searching for birds. Bring your binoculars and wear sturdy shoes.	Douglas Stotz	Inland Marsh	5:00 AM	8:00 AM	6
135	Burying Beetles Collecting and ID beetles from baited pitfall traps	Paul Frohnapple	Douglas Center/Miller Woods Trail	6:00 AM	8:00 AM	10
136	Terrestrial plants Wandering through the habitat preferably on a trail and stopping to look at the plants growing there.	Joseph F. Metzger, Jr.	Heron Rookery/Little Calumet River	6:30 AM	7:30 AM	10

Session 6: Saturday 8am – 12 noon

Team No.	Species/Notes	Leader	Location	Start	End	No. Openings
137	Fish wading in streams and ponds to electrofish for fishes and crayfish. Public should wear waders and be comfortable fording streams and getting wet.	Francis Veraldi	Bailly/Chellberg/Little Calumet River	8:00 AM	12:00 PM	10
138	Aquatic plants, Terrestrial plants Surveying and collecting plants for identification; gathering photos and specimens. Participants should be prepared to get wet; participants with good photographic abilities and their own cameras, and an interest in photographing the diversity of plants we find, are encouraged to attend. Participants should be 18 years or older unless very able in the field and accompanied by a guardian.	Andrew Hipp	Calumet Prairie	8:00 AM	12:00 PM	10
139	Terrestrial plants surveying for plants. prepare to be wet. knee-high rubber boots recommended. long pants, long sleeve shirt, hat. walking through dense vegetation can be strenuous. bring drinking water.	Derek Nimetz	Calumet Prairie	8:00 AM	12:00 PM	6
140	Amphibians and reptiles. We'll be searching wet and dry areas and dip-netting wetlands. Rubber boots or waders are useful, but not necessary. Be prepared to get muddy and or wet.	Matthew Chatfield	Douglas Center/Miller Woods Trail	8:00 AM	12:00 PM	10
141	Aquatic plants, Terrestrial plants Explore as many plant communities as possible and make vascular plant species list. Most of work will be in upland areas; however, people should be prepared to explore wet areas as well.	Paul Marcum	Douglas Center/Miller Woods Trail	8:00 AM	12:00 PM	10
142	Birds Mist netting for birds. Identification and banding birds.	Sandra Wilmore	Douglas Center/Miller Woods Trail	8:00 AM	12:00 PM	10
143	Terrestrial insects, Terrestrial plants Search for plants and dragonflies. Wading boots would be useful as this is a wet site.	David Sollenberger	Great Marsh	8:00 AM	11:00 AM	8
144	Terrestrial plants Look for plants along a trail. May get wet.	James Hitz	Great Marsh	8:00 AM	12:00 PM	10
145	Terrestrial plants Plant ID, wet, boots, long sleeves/pants, repellent, water, Swink and Wilhelm, 1994.	Barbara Plampin	Great Marsh	8:00 AM	12:00 PM	5
146	Amphibians and reptiles Please prepare to get wet, as we might be wading in streams or wetlands. Chance that you may be bitten. Please wear long pants, sturdy shoes or boots, as well as have bug spray and sun block ready for your use.	Jace Robinson	Heron Rookery/Little Calumet River	8:00 AM	11:00 AM	10
147	Aquatic insects Collecting aquatic insects means participants will get wet [and enjoy every minute of it].	Michael Meyer	Heron Rookery/Little Calumet River	8:00 AM	12:00 PM	10
148	Terrestrial plants Wandering through the habitat preferably	Joseph F. Metzger, Jr.	Heron Rookery/Little Calumet River	8:00 AM	12:00 PM	10

	on a trail and stopping to look at the plants growing there.					
149	Terrestrial plants We will be walking over the site to identify as many plants as possible. Please dress for field work; preferably wear sturdy shoes, old clothes and a hat, water, insect repellent and sunblock	Mary Carrington	Howes Prairie	8:00 AM	12:00 PM	10
150	Aquatic invertebrates, Terrestrial plants, Other wading in streams or wet areas to find aquatic insects or wetland plants; be ready to get wet; must be at least 15 years old	Christine Kirk	Inland Marsh	8:00 AM	11:00 AM	10
151	Aquatic plants, Birds, Terrestrial plants aquatic plant survey - get wet	Scott Namestnik	Inland Marsh	8:00 AM	12:00 PM	10
152	Birds Should have binoculars if possible. Should be willing to be quiet and listen for birds as well as look.	Laurie Eberhardt	Inland Marsh	8:00 AM	12:00 PM	10
153	Aquatic plants, Terrestrial plants Identify species, photograph and document phenology	Paul Grabowski	Ly-co-ki-we Trail	8:00 AM	11:00 AM	8
154	Aquatic plants, Terrestrial plants Plant Survey	Noel Pavlovic	Ly-co-ki-we Trail	8:00 AM	10:00 AM	8
155	Terrestrial insects Collect insects from malaise and pitfall traps. Take down and store traps. Submit collections. Summarize information.	Bruce Cummings	Ly-co-ki-we Trail	8:00 AM	12:00 PM	10
156	Terrestrial insects Walk 1-3mi; help sieve insects from traps, take down traps, look for beetles	Margaret Thayer	Mnoke Prairie/Little Calumet River	8:00 AM	10:30 AM	10
157	Terrestrial insects, Terrestrial invertebrates Collect bee bowls set out the day before. More net collecting from flowers for bees and other insects. Identifying beetles in pitfall traps set up night before - must have strong stomach for beetles	Robert Jean	Mnoke Prairie/Little Calumet River	8:00 AM	12:00 PM	6
158	Terrestrial plants Botanical surveys in various terrain. Must be prepared for wet conditions in case of the need to survey wetlands.	John Taft	Mnoke Prairie/Little Calumet River	8:00 AM	12:00 PM	10
159	Terrestrial plants Walking in sandy and sometimes steep terrain, ticks and mosquitoes are common; dressing comfortably in boots, long pants, and long-sleeved shirts. Bring field guides and a hand lens, if you have them.	Karen Quinlan	Mt. Baldy	8:00 AM	12:00 PM	10
160	Microbes Water/sand sampling for microbes - wet adventure.	Murulee Byappanahalli	State Park/Dunes Creek	8:00 AM	12:00 PM	10
161	Terrestrial insects Wear appropriate clothing for the area. A hat and comfortable shoes are recommended. Participants may get wet, however I do not plan on collecting aquatic insects.	Tabatha Carroll	West Beach Trail System	8:00 AM	12:00 PM	10
162	terrestrial plants Identify plants and insects along a trail.	Alison Anastasio	West Beach Trail System	8:00 AM	12:00 PM	6
163	Terrestrial plants phenology mapping using iPhones	Justin Borevitz	West Beach Trail System	8:00 AM	12:00 PM	8
164	Terrestrial plants	Christos	West Beach Trail	8:00	12:00	10

	Walk around the trails and identify plants from the Ranunculaceae family. Take a picture of that and if possible a leaf material keep it on ice. The pictures I would like people to be able and geotag them. Also we will try to identify their pollinators by observing the insects, birds attracted by them	Noutsos	System	AM	PM	
165	Aquatic plants Watch scientist operate underwater remote operated vehicle in Long Lake to sample for aquatic plants.	Mark Gleason	West Beach/Lake Michigan - Long Lake	8:00 AM	12:00 PM	40
166	Birds, Terrestrial insects Primarily searching for dragonflies (adults and aquatic nymphs), but also will survey birds and butterflies. Bring binoculars and insect nets (if you have them) and be ready to get lower legs wet.	Nicholas Block	Douglas Center/Miller Woods Trail	8:30 AM	12:00 PM	10
167	Terrestrial plants Wear sturdy foot wear, long pants and socks for poison ivy, and there may be muddy and slippery clay if it has been rainy.	Sandy O'Brien	Hobart Prairie Grove	8:30 AM	12:00 PM	10
168	Amphibians and reptiles, Butterflies, Other Weather permitting search for butterflies. Prepare for the possibility of biting insects, heat, poison ivy and long periods of walking.	John Henry Drake	Mnoke Prairie/Little Calumet River	8:30 AM	12:00 PM	10
169	Terrestrial plants Moderately strenuous, climbing over brush, logs and up hills to find and ID plants	Lydia Miramontes Loyd	Mt. Baldy	8:30 AM	12:00 PM	5
170	Terrestrial plants, Bryophytes, Other Search for bryophytes.	Bill McKnight	Pinhook Bog	8:30 AM	11:30 AM	4
171	Birds Walk along trails, searching for birds. Bring your binoculars and wear sturdy shoes.	Douglas Stotz	West Beach Trail System	8:30 AM	12:00 PM	6
172	Terrestrial insects On the hike I would demonstrate methods used to collect insects. We would also collect insects, attempt to identify them and release them. Students should wear walking shoes or boots, long pants to protect their legs, and temperature appropriate clothing.	Jim Louderman	West Beach Trail System	8:30 AM	11:00 AM	10
173	Aquatic insects, Aquatic invertebrates, Aquatic plants, Fish Wading in streams to catch fish and aquatic organisms. Be prepared to get wet and muddy. Bring your own waders and/or swim trunks and water shoes. Ability to swim strongly recommended for safety. Some off-trail physical activity required to get to sites and help with seining.	Tim Wootton	Bailly/Chellberg/Little Calumet River	9:00 AM	11:00 AM	10
174	Fungi walk through the wood looking for fungi	Greg Mueller	Bailly/Chellberg/Little Calumet River	9:00 AM	11:00 AM	10
175	Terrestrial plants Identification of tree species with collection of specimens as needed. Hiking over moderate to rough terrain and through brushy and wet areas. Sturdy hiking shoes, long pants and long sleeved shirt recommended. Bring any taxonomy keys	Gina Darnell	Bailly/Chellberg/Little Calumet River	9:00 AM	12:00 PM	10

	available. Recommended but not required: digital camera, knife or pruning shears, field lens, and compass.					
176	Terrestrial plants Photographing, identifying and collecting flowering plants. Exclusively wonderful for wild flower and plant photograph lovers	Wenchi Jin	Bailly/Chellberg/Little Calumet River	9:00 AM	11:30 AM	10
177	Aquatic insects Wading in steams or ponds/pools to collect aquatic insects using hand nets. Prepare to get wet and handle aquatic insects. Open to any age group, but children must be accompanied by adult supervisor.	Eric Larsen	Cowles Bog Trail	9:00 AM	12:00 PM	10
178	Amphibians and reptiles Amphibian and reptile survey. Must be 18 years or accompanied by parent. Wear hiking boots and long pants - no sandals There will be poison ivy.	Alan Resetar	Great Marsh	9:00 AM	11:00 AM	10
179	Fungi Hunting for mushrooms. Walking through poison ivy possible. Long sleeves and long pants encouraged.	Zhao Tang	Ly-co-ki-we Trail	9:00 AM	11:00 AM	10
180	Terrestrial insects Terrestrial Insects - Hiking on trails	Arwin Provonsha	Mt. Baldy	9:00 AM	12:00 PM	10
181	Aquatic invertebrates, Terrestrial invertebrates Wading in streams and marshes for aquatic invertebrates and mollusks. Be prepared to get wet. Knee or hip boots or old tennis shoes are appropriate footwear.	Jochen Gerber	Pinhook Bog	9:00 AM	12:00 PM	4
182	Birds, Mammals, Terrestrial plants Plant Survey	Norbert Cordeiro	West Beach Trail System	9:00 AM	12:00 PM	10
183	Fish Participants should wear chest waders or swimwear with beach shoes. We will be wading into Lake Michigan and hauling a 50 ft beach seine into shore. The net is heavy and requires some muscle. Water will be cold!	Thomas Simon	West Beach/Lake Michigan	9:00 AM	12:00 PM	15
184	Lichens The participants will learn about lichens and how to identify some common species; emphasis will be placed on lichens growing on trees. A hand lens is recommended, as well as small paper bags for collections.	Matthew Nelsen	Cowles Bog Trail	9:30 AM	11:30 AM	10
185	Amphibians and reptiles Wading for amphibians, terrestrial searches for snakes	Robert Brodman	Inland Marsh	9:30 AM	12:00 PM	10
186	Terrestrial invertebrates Collecting ants if it's warm enough. Will work at table if too cold.	Daniel Kjar	Cowles Bog Trail	10:00 AM	12:00 PM	10
187	Terrestrial plants Search for and identify plants	Young Choi	Miller Woods Pannes	10:00 AM	12:00 PM	4
188	Aquatic plants, Terrestrial plants hike over dunes (semi-strenuous) to one or two of the more diverse interdunal ponds to explore the plants and discuss the importance of these unique habitats	Gayle Tonkovich	West Beach Pannes	10:00 AM	11:30 AM	4

