Day 1: Sunday, October 2, 2016

Arrival and Check-in / Registration / Orientation / Overview of Wisconsin’s Glacial Features / The Cold Cache Program—How Does it Work?

Afternoon: Check-in begins at 3:00 pm Lobby of the Victorian Village Resort in Elkhart Lake, Wisconsin.

**ORIENTATION.** We will gather in our private meeting room where Luke Kloberdanz, Outreach and Education Manager for the Ice Age Trail Alliance will greet you and introduce everyone. A cash bar will be available.

We will review the up-to-date daily schedule and any changes, discuss responsibilities, safety guidelines, emergency procedures, and answer any questions you may have.
At 4:30 pm instructor, Dr. Dave Mickelson, will provide an **OVERVIEW OF WISCONSIN’S GLACIAL FEATURES.**

**Dinner:** Dinner at 6:00 pm in the resort restaurant.

**Evening:** Gather in our meeting space at 7:15 pm for a session on **THE COLD CACHE PROGRAM – HOW DOES IT WORK?** with instructor, Dolly McNulty.

ColdCaching is an exciting new way to explore and learn about the many fascinating natural features along the thousand-mile Ice Age National Scenic Trail. Experience the thrill of a treasure hunt, learn important navigational skills and develop an appreciation for Wisconsin’s fascinating Ice Age history.
Day 2: Monday, October 3, 2016

**Hiking along the Ice Age Trail:** Milwaukee River Segment and Butler Lake Segment

**Hiking:** Total mileage is **4.8 miles**. Hike is considered active to moderately difficult miles; includes 4 ColdCache sites.

**Breakfast:** Continental breakfast at 7:30 am at the resort. Enjoy assorted cereals, pastries, fruit, yogurt, toast, bagels, hard boiled eggs, orange juice, milk and coffee.

**Morning:** Board bus at 8:30 am for our **EXPEDITION**.

Dr. Mickelson provides commentary during our trip. Drive 30 miles to Kettle Moraine Drive crossing of **MILWAUKEE RIVER SEGMENT**. Hike through hummocky moraine, view large moulin kames. Hike 2.8 miles. Bus pick up at Hwy. 28.

**Note:** On this first hike there will be 2 road crossings where the hike can be shortened if necessary.

**Lunch:** Bag lunch at the Ice Age Visitor Center or Mauthe Lake.

**Afternoon:** Board bus and travel to the **BUTLER LAKE SEGMENT on CTH F**. Hike 1.4 miles north to Butler Lake parking lot. Butler Lake is spring fed and sits in a large kettle mostly bounded by peat bog. The IAT follows the crest of the Parnell Esker along the lake. Dundee Mountain is a large moulin kame about a mile west of the trail. Depart Butler Lake parking lot and visit gravel pit in moulin kame for rock identification, then drive 17 miles to Elkhart Lake.

**Dinner:** 5:15 pm Happy Hour (cash bar). Dinner at the resort, 6:00 pm.

**Evening:** Take some time to relax and reflect. Explore the amenities of the resort or talk a walk into downtown.
Day 3: Tuesday, October 4, 2016

**Hiking along the Ice Age Trail:** Two Creeks Buried Forest and Point Beach Segment

**Hiking:** Total mileage: **3.3 miles.** Hike is considered easy to active miles. 5 Cold Cache sites.

**Breakfast:** Continental breakfast at 7:30 am.

**Morning:** Board bus at 8:30 am for our **EXPEDITION.** From resort, travel 53 miles and hike 0.1 miles to buried forest.

When the glacier re-advanced into Wisconsin about 14,000 years ago, the climate had warmed and a spruce forest grew. Rising lake levels and the glacier itself killed the forest which is now preserved at **TWO CREEKS BURIED FOREST UNIT of the Ice Age National Scientific Reserve.** This is among the most famous and studied geological sites in the Great Lakes area. Wood from this site was the first geologic sample dated with the radiocarbon method. The Two Creeks deposit is almost unique in the central United States, preserving a record of vegetation from a time right at the end of the last glaciation.

Board bus and travel 10 miles to Point Beach State Forest.

**Lunch:** Bag lunch at Point Beach State Forest.

**Afternoon:** Hike 2 miles of the **POINT BEACH SEGMENT.** See ancient beach ridges and swales, sand dunes and the modern beach. Discuss beach processes and the formation and geologic history of the Great Lakes.

**Dinner:** 5:15 pm Happy Hour (cash bar). Dinner at the resort, 6:00 pm.

**Evening:** Gather for an **optional** session with a guest speaker on fossils of the Niagara Escarpment Silurian age rocks.
Day 4: Wednesday, October 5, 2016

**Hiking along the Ice Age Trail:** Parnell Segment

**Hiking:** Total mileage: *4.6 miles*. Hike is considered easy to moderately difficult miles. 4 Cold Cache sites.

**Breakfast:** Continental breakfast at 7:30 am.

**Morning:** Board bus at 8:30 am for our **EXPEDITION**.

From the resort, travel 13 miles to Highway 67 and the Parnell Segment trailhead, then hike to Parnell Fire Tower. Travel through moulin kames, kettles, and hummocky topography. Climb the tower and enjoy the view!

**Lunch:** Bag lunch at Parnell Tower.

**Afternoon:** Bus pick-up at Parnell Tower then travel 10 miles to the Ice Age Visitor Center at Northern Kettle Moraine. Presentations at Ice Age Visitor Center by staff of the Ice Age Trail Alliance and NPS.

- Building an off-road trail across Wisconsin—land access challenges
- On the ground trail building experiences
- The Saunters Program and school outreach

Board bus and travel 2 miles to **SPRUCE LAKE BOG**. Take a short, half-mile hike along a boardwalk to experience a quaking Sphagnum bog in a kettle. Drive 20 miles back to resort.

**Dinner:** 5:15 pm Happy Hour (cash bar). Dinner at the resort, 6:00 pm.

**Evening:** Gather at 7:15 pm in our meeting room for a session with our instructors for a wrap-up of our tour, ColdCache Awards, and photo sharing.
Day 5: Thursday, October 6, 2016

**Hiking along the Ice Age Trail:** Horicon Marsh and Campbellsport Drumlins / Green Bush Segment

**Hiking:** Total mileage: **4.8 miles**. Hike is considered moderate to active miles. 4 ColdCache sites.

**Breakfast:** Continental breakfast at 7:30 am.

**Morning:** Bus leaves at 8:30 am for our **FIELD TRIP**.

From resort, travel 39 miles to Oakfield Ledge. Enjoy great views of Niagara Escarpment on 1-mile loop hike at Oakfield Ledge State Natural Area. Then travel 18 miles to hike 1.5 miles at a former glacial lake, now the **HORICON MARSH UNIT** of the Ice Age National Scientific Reserve where we should see many migrating birds.

Bus 13 miles to Theresa and **WIDMER’S CHEESE** factory and tasting of brick cheese curds

**Lunch:** Box lunch from **Confections for any Occasion** at Theresa park. There will be an option to return to the resort after lunch. Those wishing to continue on the final leg of the expedition will go to the GREENBUSH SEGMENT.

**Afternoon:** Drive through the very high drumlins in **Campbellsport Drumlins Unit of the Ice Age National Scientific Reserve**. Then travel 27 miles to the **GREENBUSH SEGMENT** at Greenbush Kettle and experience the very impressive high-relief hummocky topography while hiking 3.3 miles to group camp parking lot on the Greenbush Segment.

**Departure:** Return to Victorian Village Resort for goodbyes and depart by 4 pm.

**Note:** Participants may arrange directly with the resort to stay Thursday night at their own expense if they choose.