Register your students for this unique opportunity to observe the famous raptor migration over Brockway Mountain!

Dana Richter, Copper Country Audubon, along with other experienced “birders” will provide a 60-minute program for students that will include an introduction to the raptor migration and raptor identification. Students will use binoculars and a spotting scope to identify hawks, eagles and falcons flying overhead. Students will also view mounted raptors to practice their ID skills.

An optional guided 45-minute hike at Michigan Nature Association’s Klipfel Nature Sanctuary, located one mile east of the top of Brockway Mountain, is also available. Indicate your interest on the form below.

See the back of this flyer for information on other nearby nature sanctuaries and hiking trails around Copper Harbor that you can take your students to visit.

For More Information Contact:
Beth Squires, Spring Field Trip Coordinator*
Tel: 906-487-3341     Email: eksquire@bhkfirst.org
*Michelle Miller will be on maternity leave for April & May 2011.

Raptor Migration Field Trip at Brockway Mountain ~ Friday, April 29, 2011
REGISTRATION FORM

Lead Teacher’s Name: ___________________________ School: ___________________________

Email: ___________________________ Phone: ___________________________

Number of students_________ (limit 45 per group) Grades of students:_________

We want a guided 45-min. hike at Klipfel Nature Sanctuary: YES  NO  Hike Time: BEFORE / AFTER program?

Place a “1” and “2” below to indicate your 1st & 2nd choices for your program at Brockway Mountain:

<table>
<thead>
<tr>
<th>Time</th>
<th>1st Choice</th>
<th>2nd Choice</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00-11:00</td>
<td>___</td>
<td>___</td>
</tr>
<tr>
<td>11:00-12:00</td>
<td>___</td>
<td>___</td>
</tr>
<tr>
<td>12:00-1:00</td>
<td>___</td>
<td>___</td>
</tr>
<tr>
<td>1:00-2:00</td>
<td>___</td>
<td>___</td>
</tr>
<tr>
<td>10:30-11:30</td>
<td>___</td>
<td>___</td>
</tr>
<tr>
<td>11:30-12:30</td>
<td>___</td>
<td>___</td>
</tr>
<tr>
<td>12:30-1:30</td>
<td>___</td>
<td>___</td>
</tr>
<tr>
<td>1:30-2:30</td>
<td>___</td>
<td>___</td>
</tr>
</tbody>
</table>

Return Registration Form to:
Beth Squires, Spring Field Trip Coordinator and Superior AmeriCorps member
Western U.P. Center for Science, Mathematics and Environmental Education
Tel: (906) 487-3341     Fax: (906) 487-1620     Email: eksquire@bhkfirst.org

There is no charge for this event! Copper Country Audubon members are donating their time today.
James H. Klipfel Memorial Nature Sanctuary at Brockway Mountain
Ownership: Michigan Nature Association (.75 mile loop)

This 160-acre sanctuary is one of the most popular overlooks along the Mountain Drive, because of its openness and grandeur. The drive along the mountain ridge top is often proclaimed to be the most dramatic in Michigan with the most outstanding scenery. A short .75 mile loop trail offers a breath-taking view looking north over Lake Superior.

This overlook provides an extraordinary opportunity to watch hawks during their spring migration. Updrafts occur on Brockway Mountain along the south-facing cliff when winds are from the southwest, southeast, and south. The hawks use these updrafts to carry them north over Lake Superior.

Brockway Mountain Wildlife Sanctuary & Oren Krumm Trail
Ownership: Copper Country Audubon (.75 mile loop)

In 1996, Boy Scout Oren Krumm laid out and cleared a walking trail on the Brockway Sanctuary for his Eagle Scout project. This was expanded a couple years later by the Houghton Boy Scout Troop to make a loop approximately .75 mile long. A trail map and brochure was created by several Michigan Tech students for a technical writing project.

The Brockway Mountain Sanctuary bedrock is composed of Lake Shore Traps, which are lava flows inter-bedded in the exposed Copper Harbor Conglomerate. Thin, dry, highly drained soils are typical on the uplands and ridges, with thicker, rich accumulations in the lowlands and small valleys.

James Dorian Rooks Memorial Nature Sanctuary at Garden Brook
Ownership: Michigan Nature Association (2 mile roundtrip)

About .25 miles past the Keweenaw Mountain Lodge entrance, and 0.5 miles before the intersection of US-41 and M-26, look for the MNA sanctuary sign on the left (north) side of the highway, and park in the designated parking area at the trailhead.

This is a 2 miles roundtrip that extends up the hillside from US-41 in a northwesterly direction to Brockway Mountain Drive. Garden Brook traverses the sanctuary, with its headwaters in the Klipfel Memorial Sanctuary and its outflow into Lake Fannie Hooe. Garden Brook is a typical “babbling brook” that is easily crossed on foot in late summer. The exposed ridgeline of Brockway Mountain subjects plants to the full force of winds off Lake Superior, creating a microclimate reminiscent of the Rocky Mountains.

Hunter’s Point along Lake Superior
Ownership: Grant Township (.9 mile loop)

Hunter’s Point Park is bounded on the north by the waters of Lake Superior and on the south by the waters of Copper Harbor. The trail from the Copper Harbor Marina to Hunter’s Point Park is a well-worn trail and is fairly flat. It is about 0.3 mile (1,600 feet) in length. It connects with the South Trail, which runs along the south shore of Hunter’s Point. Feeder trails running north from this trail connect with the main parking area and the trail running along the north shore of Hunter’s Point. The North and South Shore Trails meet near the middle of Hunter’s Point, and between them form a loop trail system.

Estivant Pines Old Growth Forest Near Copper Harbor
Ownership: Michigan Nature Association (1 to 2.5 miles)

The Estivant Pines is the largest tract (377 acres) of old growth Eastern White Pine (Pinus strobes) preserved in Michigan, containing hundreds of 300-500 year old white pine measuring 3-5 feet in diameter! This virgin forest is a living museum. All sizes of white pine are present from tiny seedlings to giants. Visitors to the Estivant Pines have a choice of three loop trails ranging from 1 to 2.5 miles.

Lake Bailey Wildlife Sanctuary
Ownership: Copper Country Audubon (2 mile roundtrip)

This sanctuary has a 2 mile roundtrip trail that passes through several different forest communities as it rises nearly 200 feet in elevation to a beautiful overlook of the wild Silver River drainage to the southeast. The sanctuary is entirely wooded with a mixture of northern conifers and hardwoods, including red and sugar maple, balsam fir, white and yellow birch, white pines, red oak, white spruce, trembling and big tooth aspen, and white cedar. The first part of the trail passes through a white cedar bog, and therefore might be wet in the spring.

*Nature sanctuary descriptions taken from the guide: Walking Paths and Protected Areas of the Keweenaw