**Hickory Environmental Education Center- Earth Science**

**Weathering and Erosion**

**Activity 2**

***Nature Hall Task:*** Using your GPS unit, travel the grounds at Hickory Environmental Education Center and find each site. Record the observations you make at each site. Circle whether you see evidence of chemical or mechanical weathering, or both, at each site. Name the specific type of weathering that formed each site. Some sites may have multiple observations and causes. Be sure to include as many as you can.

***Latitude / Longitude Direct your attention to: Site observations/Specific causes***

*Example example site chemical or mechanical*

*Hole in ground / biological activity*

**Site 1**

39°39’887” N Beside the Maple Leaf pavilion Chemical or Mechanical

 79°18’157” W (minimum of three items)

**Site 2**

 39°39’919” N Paved road features Chemical or Mechanical

 79°18’175” W along pine trees

**Site 3**

 39°39’900” N Basketball posts Chemical or Mechanical

 79°18’155” W

**Site 4**

 39°39’897” N On basketball court Chemical or Mechanical

 79°18’158” W

**Site 5**

 39°39’884” N Left building of 2 at far edge Chemical or Mechanical

 79°18’142” W

**Site 6**

 39°39’920” N Picnic table pavilion by pool Chemical or Mechanical

 79°18’140” W

**BEFORE YOU HEAD TO SITES 7, 8, 9, 10, 11, AND 12….YOU MUST GO DOWN COVE RUN TRAIL TO FIND THESE. YOU MAY NOT TAKE SHORT CUTS THAT ARE NOT ON THE ORIGINAL COVE RUN TRAIL!**

**Site 7**

 39°40’010” N Man hole cover on left bank Chemical or Mechanical

 79°18’210” W (minimum of three items)

 Before big turn, look all around

**Site 8**

 39°39’973” N Uphill side of the bank Chemical or Mechanical

 79°18’257” W (pine tree grove on right)***Latitude / Longitude Direct your attention to: Site observations/specific* *causes***

**Site 9**

 39°39’828” N Area where water line comes Chemical or Mechanical

 79°18’395” W over the hill

**Site 10**

 39°39’781” N Many things will be here Chemical or Mechanical

 79°18’518” W Take your time

**Site 11**

 39°39’767” N Left hand bank of stream Chemical or Mechanical

 79°18’530” W

**Site 12**

 39°39’879” N Large split tree on left in path Chemical or Mechanical

 79°18’225” W will be a long way down the trail

(minimum of 3 items)

**Site 13**

 39°39’938” N Flagpole

 79°18’138” W