

# CLIMATE CHANGE COLLECTION SCORECARD

Date: 2/18/05

Reviewer: Carrie Morrill

Name of resource: Grinnell glacier recession activity

Sponsoring Organization: Tufts University

URL: [http://www.tufts.edu/as/wright\\_center/iecws/materials/acetategraphactivity.pdf](http://www.tufts.edu/as/wright_center/iecws/materials/acetategraphactivity.pdf)

Site Homepage: [http://www.tufts.edu/as/wright\\_center/iecws/materials.html](http://www.tufts.edu/as/wright_center/iecws/materials.html)

RESOURCE WITHIN A SITE? Y / N

FOUND THROUGH DLESE? Y / N

IF SO, WHICH COLLECTIONS?

RECOMMENDATION YES YES WITH RESERVATIONS NO

STARS 1 2 3 4 5 (LAME TO STELLAR)

NARRATIVE *In this exercise, students use maps of the Grinnell glacier from the 19<sup>th</sup> and 20<sup>th</sup> centuries to measure and plot the recession of the glacier through time. All material is provided in pdf files. The idea behind this activity is great, but its presentation could be more polished.*

## INTENDED USE

☐ REFERENCE

☐ COMPUTER ACTIVITY

☒ NON-COMPUTER ACTIVITY

EDUCATOR OR LEARNER OR BOTH IF FOR LEARNER, EVIDENCE ITS BEEN TESTED? Y / N

BEGINNER OR ADVANCED OR BOTH

Easily Printed? Y / N

## BUGS & TECHNICAL DIFFICULTIES (PROBLEMATIC TO ROBUST)

1 2 3 4

COMMENTS: *Simple file with no links to outside websites.*

## SCIENTIFIC ACCURACY (NATIONAL ENQUIRER TO NATIONAL GEOGRAPHIC)

1 2 3 4

EVIDENCE IT HAS BEEN REVIEWED FOR ACCURACY? Y / N

## PEDAGOGICAL INFORMATION

☐ REFERENCE ONLY

☐ TEACHER GUIDE

☐ MATERIALS LIST

☐ ASSESSMENT STRATEGIES

☐ TIMEFRAME PROVIDED

☒ STANDARDS ALIGNMENT

## PROMOTES STUDENT LEARNING (WEAK TO STRONG)

1 2 3 4

COMMENTS: *Could be somewhat frustrating to measure area for some of the years because outlines of glacier run together. But, the teacher should emphasize that students should just do the best they can.*

## APPROPRIATE/EFFECTIVE MULTIMEDIA DESIGN (WEAK TO STRONG)

1 2 3 4

COMMENTS: *Bland pdf files.*

## VISUAL APPEAL (WEAK TO STRONG)

1 2 3 4

COMMENTS: *Bland pdf files.*

TEACHING TIPS: *It would be interesting to download temperature data for a station near Glacier Natl Park, plot the temperature timeseries, and compare with the timeseries of ice area. You could do the same for precipitation...the other factor important in glacier growth.*

RECOMMENDATIONS FOR DEVELOPER: *The activity could be expanded a bit: provide a teacher guide, suggested discussion questions, and a worksheet for students. It would also be useful to provide better-quality and larger diagrams of the Grinnell Glacier to make it easier for students to estimate the areas.*