

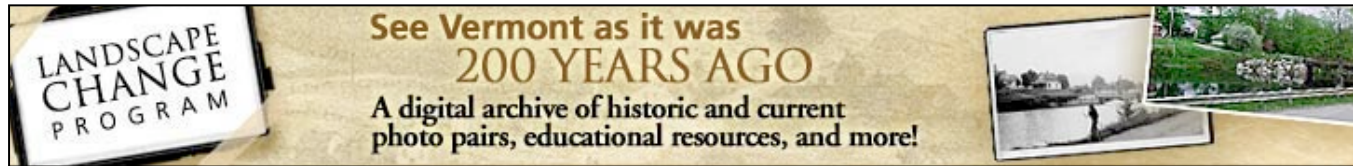
EVERYONE DIGS OLD PHOTOS!

LEARN with the *LANDSCAPE CHANGE PROGRAM (LCP)*



K-12 Curriculum
Development Workshop, 2006

Christine Massey
Landscape Change Program, University of Vermont
www.uvm.edu/landscape/learn

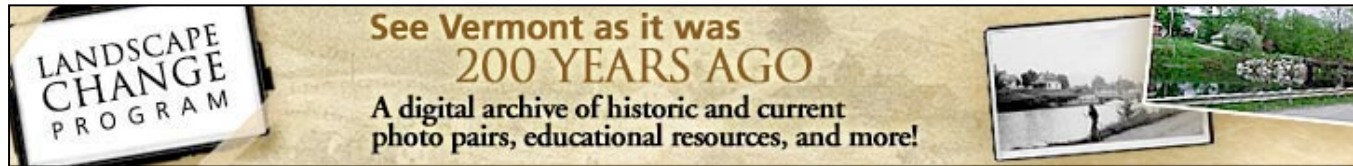


LCP Educational Venues

- K-12 Teacher Workshops
- Homeschool Workshop
- Undergraduate Courses
(Geomorphology, Landscape History)
- Local Citizen Talks
(Libraries, Town Offices, & Museum)
- History Days/History Expos
- Oral Histories from Native Vermonters
- Professional Talks (GSA, VT-NEA, NESTA)



Vermont State History
Exposition, 2008



Go to: .../landscape/learn for Educational Materials

LEARN banner →

[LEARN-HOME](#) [THEMATIC PHOTOS](#) [LEARNINGLANDSCAPES](#) [LESSON PLANS](#) [VT LANDSCAPE HIST.](#) [BIBLIOGRAPHY](#) [LINKS](#)
[TUTORIALS](#) [PHOTO INTERPRETATION](#) [RESHOOTING PHOTOS](#) [DOWNLOADING PHOTOS](#) [DATING PHOTOS](#) [COPYRIGHT](#)

Section I. →

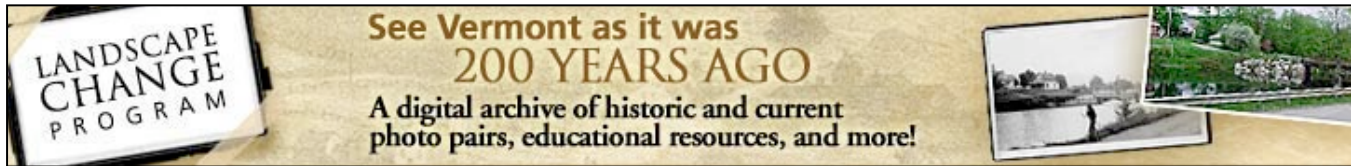
Educational Resources

- [Thematic Photo Sets](#) Includes educational [modules](#) ("Learning Landscapes," 1927 Flood Aerials, Oakledge Park History & Signboards, Shelburne Landscape Change, Dating Photos), [PowerPoint](#) collections of historic photos by topic (Floods, Mining, Trees), and student [scrapbooks](#) on various topics.
- ["Learning Landscapes" Rivers Curriculum](#) Link to an on-line modular curriculum that uses historic images related to rivers and fluvial processes. Developed for UVM's Geomorphology course. Register using course code "development."
- [Lesson Plans](#) Includes individual lesson plans, a larger Unit Plan, and links to accompanying materials and other resources.
- [Vermont Landscape History](#) Includes movies, podcasts, tutorials and handouts on geologic, landscape, and settlement history.
- [Bibliography](#) Includes citations for a wide range of relevant journal articles, books, and other media.
- [Links](#) Includes several categories of links, including, geology, cultural history, natural history, educational, and general.

Section II. →

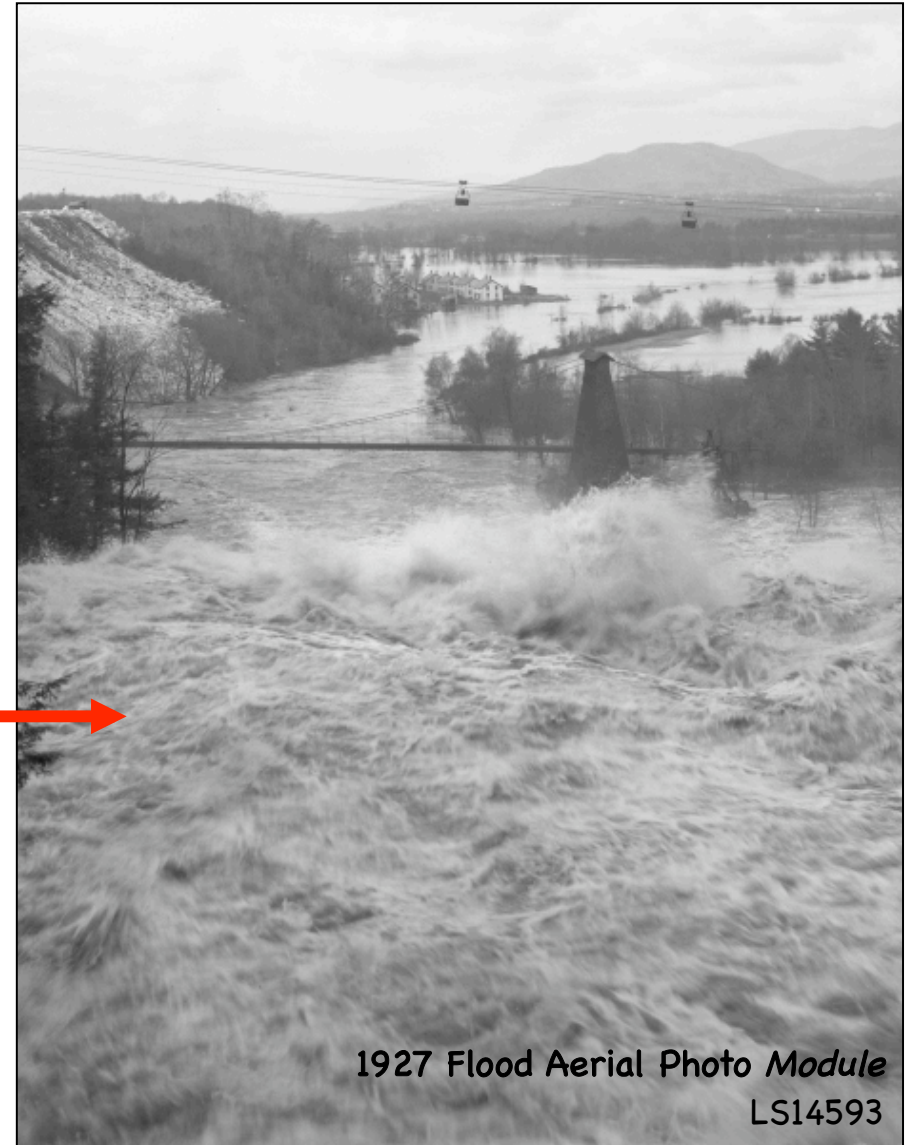
Using Photos

- [Tutorials](#) Includes units on 1) Introduction to the LCP Archive, 2) Vermont Geology and Landscapes, 3) How People and Geology Shape the Landscape, 4) Describing Images, and 5) Dating Images.
- [Photo Interpretation](#) Offers some advice about what to look for and questions to ask about historic landscape images.



LEARN Resources

- **How to Use Photos** (submit, describe, date, download...) *Jamie's talk*
- **Pre-made Photo Sets** (interpretive modules, websites, interpretive slide shows, scrapbooks) *for example*
- **K-16 Curricula** (lesson plans, *Learning Landscapes*, Landscape History Course, other tutorials) *rest of this talk*





See Vermont as it was
200 YEARS AGO

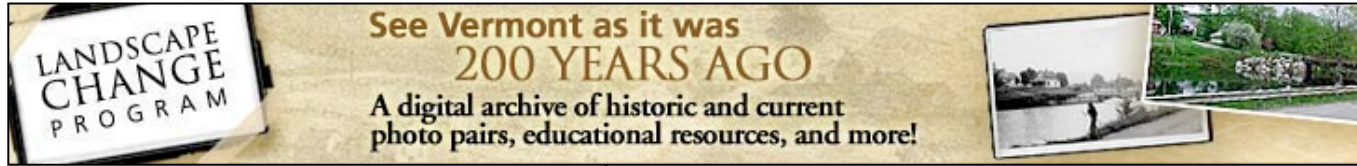
A digital archive of historic and current
photo pairs, educational resources, and more!



Pedagogic Common Themes

- Observation Skills
(really looking at images)
- Change Over Time
(physical and cultural)
- Sense of Place
(people and landscapes)
- Inquiry (asking questions)
- Knowledge Survey
(Self Evaluation)





K-12 Lesson Plans

- Standards-based
- *Summary Template* designed by team of local teachers *example in your folder*
- Lessons include Additional Instructions & Handouts

Photo Detectives Social Studies Grade Levels 1-2

Objectives: In order to understand the essential questions of, "How can photographs teach us about the past?" and "How has life in our town changed over time?" students observe local historic photographs and record their findings in pairs and as a class. Students interpret details of photographs and hypothesize about change over time. *Time Needed: 1 hour*

Vermont's Framework of Standards and Learning Opportunities:

4.6 Understanding Place (students demonstrate knowledge of past and present ...)

6.4 Historical Connections (analyze period of transition in various times in local communities in Vermont, to interpret the influence of the past on the present)

Grade Level Expectations:

History and Social Studies 1-2:8 History (connect the past with the present)

Interdisciplinary Connections: Language Arts

Materials & Resources:

Landscape Change Program Archive, www.uvm.edu/perkins/landscape

Images: LS00055, LS00058, and LS00060 (printed and enlarged)

Books: *Now and Then*, by Faridah Yusof, (National Geographic Windows on Literacy), *School Then and Now* (Newbridge: Emergent), *Then and Now* (Rigby), *Transportation Over the Years* (Newbridge), *Long Ago* (Newbridge), *Ox-Cart Man*, by Donald Hall, *If you Lived 100 years Ago*, by Ann McGovern

Photo Observation Recording sheet (below)

Poster/Chart with photos and group recordings

Activities:

<p>1. Hook Your Students Students will become "photograph detectives" and put together clues to solve the mystery of what life was like long ago.</p>	<p>4. Culminating Activity Students discuss what each of these historic photos would look like today and together fill in a category on the chart labeled "TODAY..."</p>
<p>2. Introduce Concepts Teacher models photo interpretation before pairs of students record their own observations of local historical photos of clothing, transportation, housing/daily life, jobs, and recreation (see recording sheet).</p>	<p>5. Assessment Rubric (attached). Standards are <i>Getting Started</i>, <i>Approaching</i>, <i>Got It</i>, or <i>Wow!</i></p>
<p>3. Apply Skills Students regroup and share their observations for each category. On a large display chart, they record observations and record what it tells them about the past.</p>	<p>6. Extensions <i>Home:</i> Mystery photo for interpretation with parents. <i>Class:</i> Explore artifacts from long ago; examine influence of inventions on our daily lives; research architectural features of historic buildings and houses, etc.</p>

Author: Janet Bellavance, Edmunds Elementary School. **Specialty:** Social Studies/Lang. Arts.

Learning Landscapes

University of Vermont

On-line geomorphology modules for Rivers & Slopes



Home

About the Program

Areas of Learning

Demo *(coming soon)*

Related Links

Contact

Get Started!

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University of Vermont
U.S. (802) 656-4411
glcp@uvm.edu

Earth's surface is beautiful and wondrously complex. Almost every one of us lives on landscapes, working, playing, hiking, climbing and lately, taking snapshots.

Click. Look, a waterfall. Click. There's a flood. Click. Towering mountains.

We'll use 150 years of photographs to examine our planet and understand how it works, learning landscapes from the human perspective. Come in and join us on this virtual trip across Earth's amazing surface.

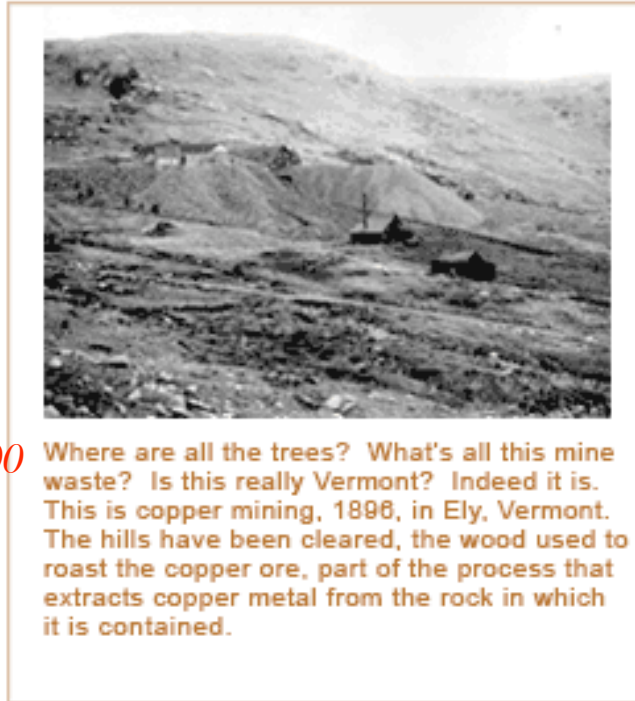


UVM Winter Session

The Changing Face of Vermont Landscapes

WELCOME! Ever wondered what the Vermont landscape looked like 50, 100, 150 years ago? Are you interested in how people have shaped the land and how the land has shaped people's lives? Do you want to learn more about geology and its effects on the landscape and citizens of Vermont.

Then join us for a two week trip through the landscapes, history and geology of Vermont as portrayed by the Landscape Change Program, a 7000 image archive of Vermont landscape imagery dating from the early 1800s right up through today. As a Professor of Geology at UVM for the past decade and director of this program, I'll be your guide. You'll use the program archive to discover the past, learn more about Vermont, and create a presentation for the public based on images you find and interpret.

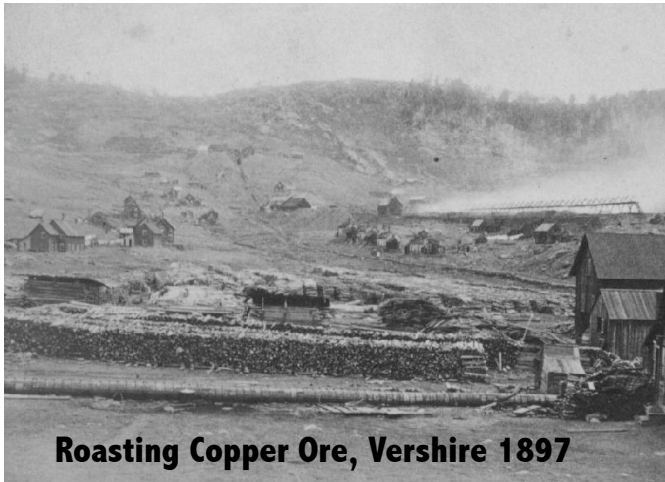


Where are all the trees? What's all this mine waste? Is this really Vermont? Indeed it is. This is copper mining, 1886, in Ely, Vermont. The hills have been cleared, the wood used to roast the copper ore, part of the process that extracts copper metal from the rock in which it is contained.

January 2009

Three credit on-line course.

Undergraduate and graduate credit.



Roasting Copper Ore, Vershire 1897



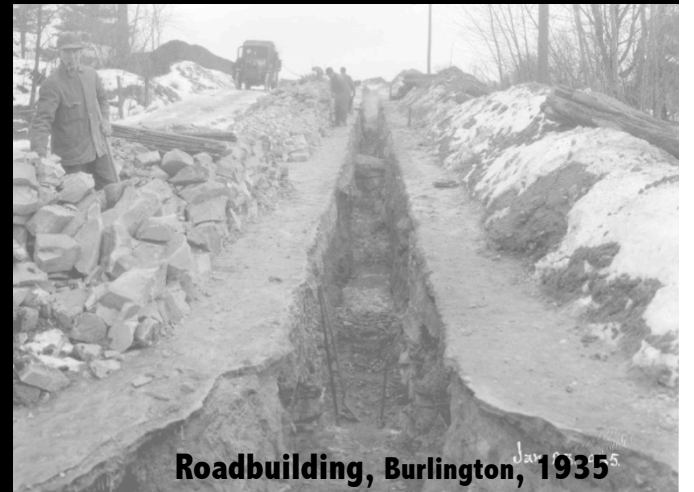
Flooding, Montpelier 1927

We use old photos to understand Vermont.



Family Farmstead, Randolph 1915

Lecture
Title Slide



Roadbuilding, Burlington, 1935

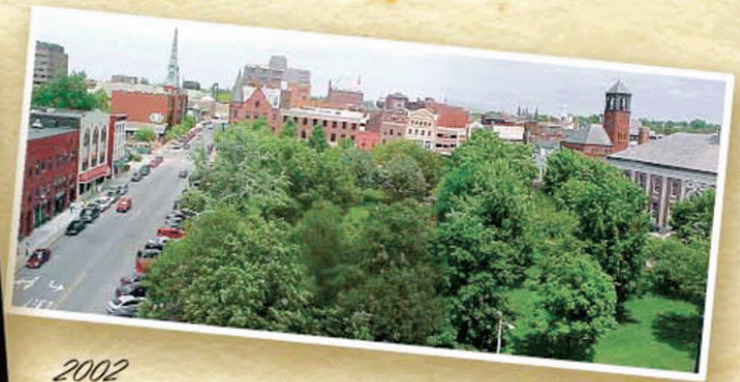
See your town as it was 100 YEARS AGO!

LANDSCAPE
CHANGE
PROGRAM

Burlington's City Hall Park



1859



2002

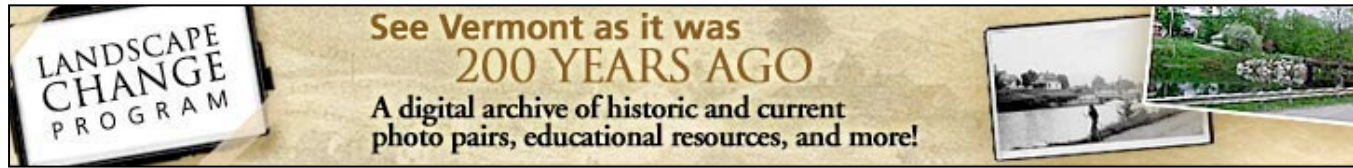
Print
Media

Marvel at the damage wrought by the 1927 flood. Find pictures of long-vanished farms. View the Green Mountain state clearcut for sheep farming. See landslides, ice jams, mines, and quarries. Visit our collection and search thousands of Vermont images by place, by date, by topic!

www.uvm.edu/perkins/landscape

Oakledge Park Kiosks: HS students, graphic artist, city, and LCP

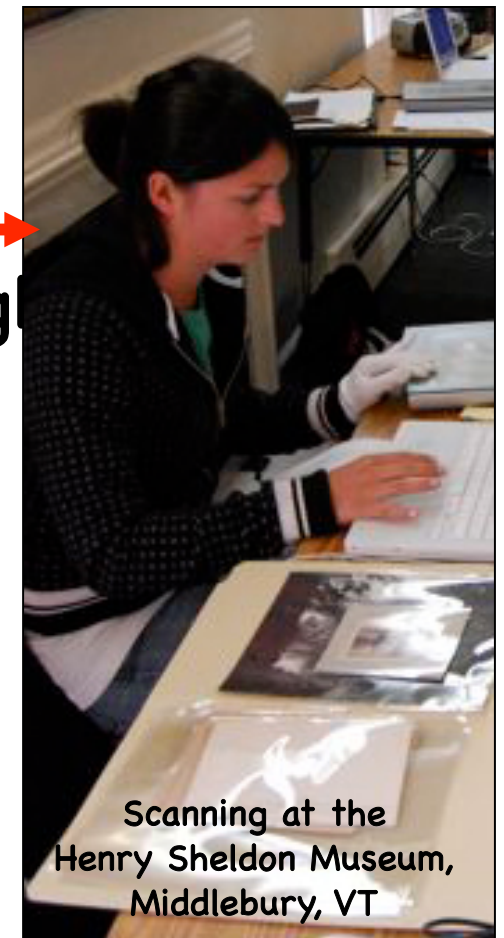




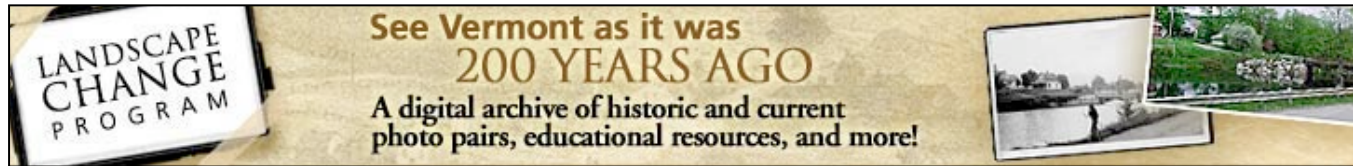
Impacts on the Community



- FREE 24/7 access!
- 140 web visits per day
- Unseen collections & negatives brought to light →
- Excites students about history
- Non-academic use (newspapers, land-use planners, State agencies) ←
- UVM serving Vermont



Scanning at the Henry Sheldon Museum, Middlebury, VT



LCP Support 1999-2010

National Science Foundation support:

Educational Materials Development

Data Quality Checking

Teacher, Homeschool, & Native

American Training →

National Dissemination

Image Acquisition

Web Site Improvement as

Service Learning



3-D Stereoview: Swanton, VT LS08144

Lintilhac Foundation support:

Image Acquisition





See Vermont as it was
200 YEARS AGO

A digital archive of historic and current
photo pairs, educational resources, and more!

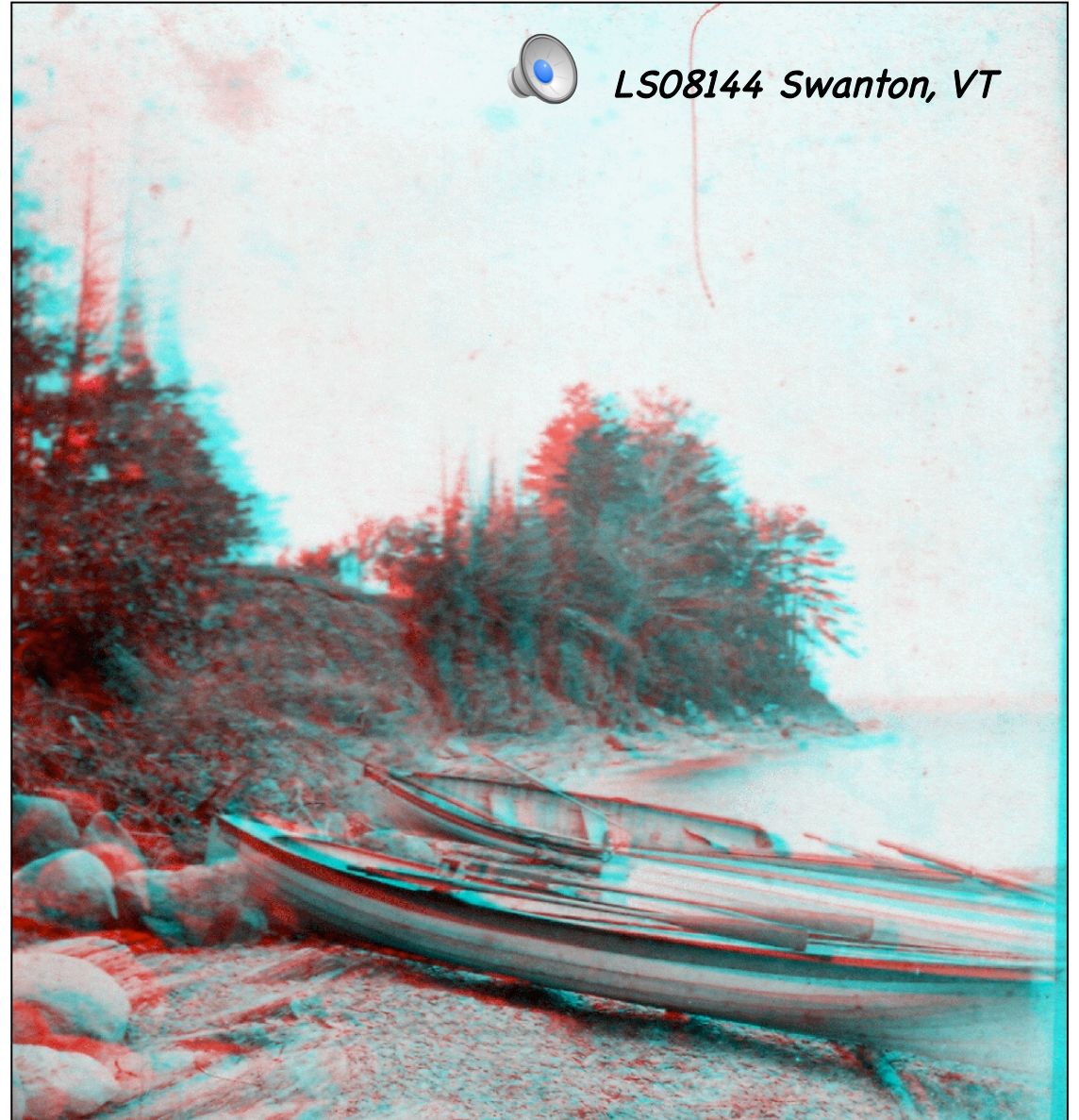


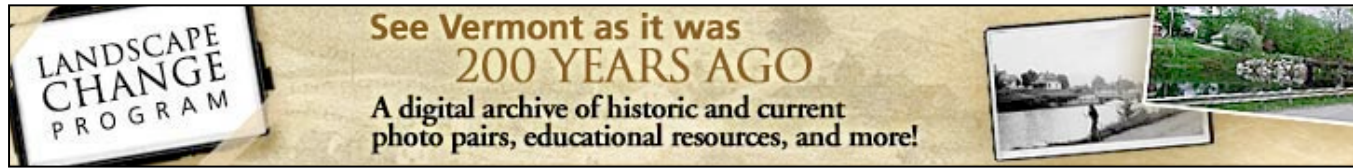
Native Vermonter Oral Stories

from
Melody Walker



LS08144 Swanton, VT

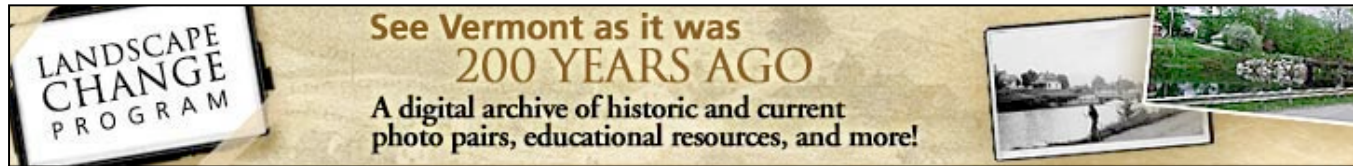




Today's Hands-on Exercise: Pedagogic Approaches

Choose one activity:

- Image Quadrants (using Observation Skills)
- Storyboarding (thinking about Change Over Time)
- Photos as Question Prompts (Inquiry)
- Anticipation Guide (Knowledge Survey or "What do I think I know?")



Topics for discussion

There's a lot we didn't cover...

- Email us (contact sheet in folders)
- Standard Operating Procedures (<http://www.uvm.edu/landscape/about/sop.html>)
- Back end software is custom-designed @ UVM (available in "programmer lingo" only, if wanted)
- Specific NSF Programs used for funding
- Graduate student efforts were instrumental