

# LANDSCAPE METAMORPHISM IN VERMONT: BUILDING AN IMAGE ARCHIVE OF THE PAST AND PRESENT WITH STUDENTS, HISTORICAL SOCIETIES AND TOWNS

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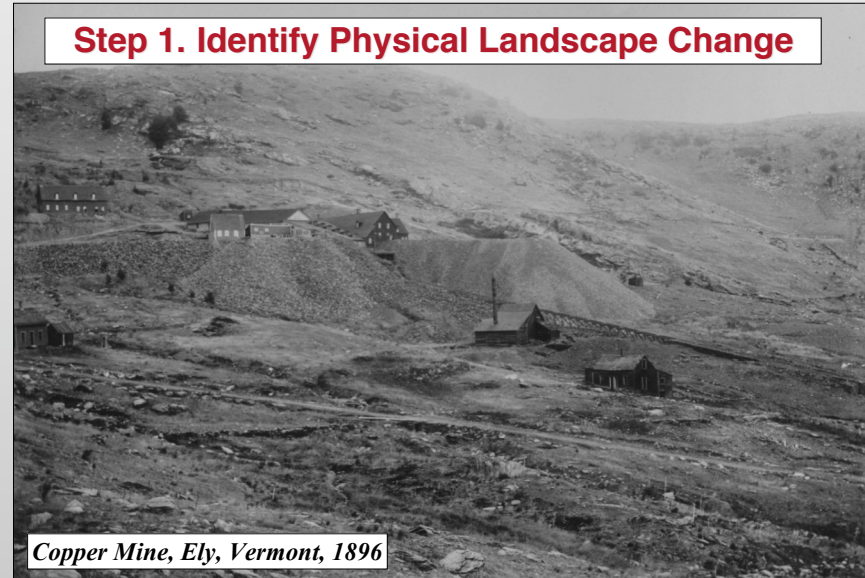
The Perkins Geology Museum at the University of Vermont hosts the *Landscape Change Project*, an NSF-funded initiative to document and archive historic and modern image pairs on-line in a searchable database. We work with Vermont high school students and their local town officials to gather and upload data. To date, the archive houses 370 image pairs from >30% of Vermont towns.

**Step 1.** Students pair up with local historical societies and town officials to scan historic images of the physical landscape.

**Step 2.** Students rephotograph the image, mark their location with a GPS, and write up an historical account of the landscape change.

[www.uvm.edu/perkins/landscape](http://www.uvm.edu/perkins/landscape)

## Step 1. Identify Physical Landscape Change

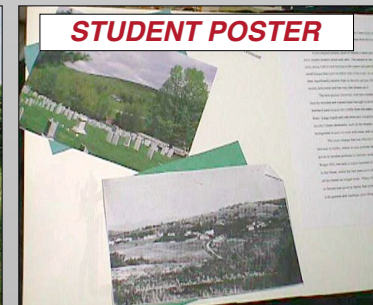
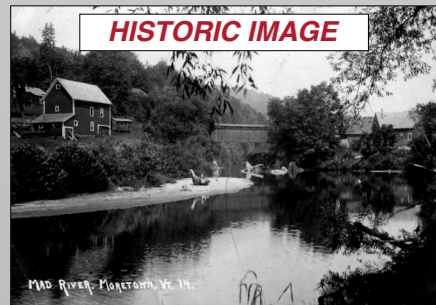


## Step 1. Scan Images



*For information on transferring our design to your state or region, please contact us.*



## Step 2. Document Change



**Panel #2: MASSEY, Christine A., et al.**  
**LANDSCAPE METAMORPHISM IN VERMONT: BUILDING AN IMAGE ARCHIVE OF THE PAST AND PRESENT WITH STUDENTS, HISTORICAL SOCIETIES AND TOWNS**

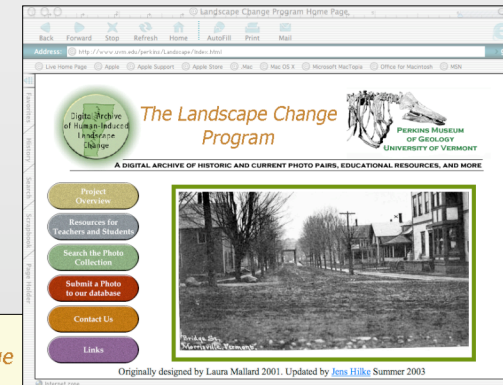
## Step 2. Document Change

Clarendon, Rutland Co., Vermont (Latitude/Longitude: 43.520889/ 73.012000)

Historic View, 1927 (about)	Current View, 8/7/2000
	
Former Road that is Now a Brook	TITLE: Former Road that is Now a Brook, 8/7/2000
Source: Key Words: Bridges, Floods, Rivers and Shorelines <a href="#">Click Here for Full Display and Description.</a>	PHOTOGRAPHER: L. Mallard KEY WORDS: Post flood, Rivers and Shorelines <a href="#">Click Here for Full Display and Description.</a>
Photo Pair Submitted by: UVM, 2001-01-20	

**Step 3.** Teachers of science, history, geography, and social studies introduce “place-based” pedagogy using Vermont and national science standards.

**Step 4.** Students upload image pairs, latitude/longitude information, image metadata, and historical accounts on-line. Perkins Museum staff review submissions before archiving data.



The screenshot shows the website interface with navigation buttons like 'Project Overview', 'Resources for Teachers and Students', 'Search the Photo Collection', 'Submit a Photo to our database', 'Contact Us', and 'Links'. A featured photo pair is displayed on the right.

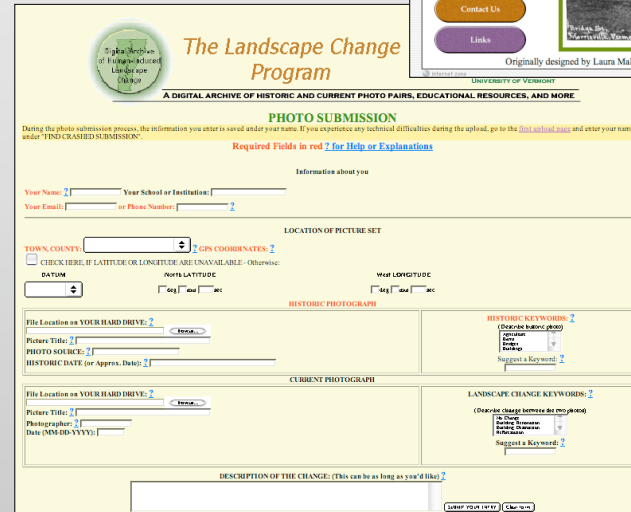


## Step 3. Place-based Education & Standards

**“The Landscape Change Project connects students with their home landscape, their history, and their community. “**

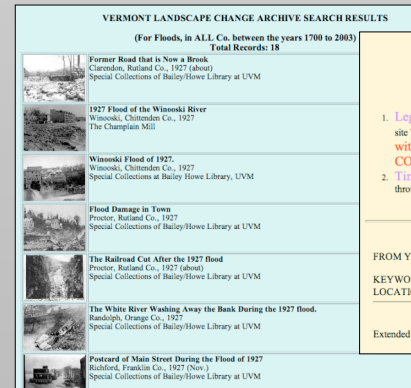
#	Standards	Criteria
1.18	TECHNOLOGICAL RESEARCH: Students use computers, telecommunications, and other tools of technology to research, to gather information and ideas and to represent information and ideas accurately and appropriately.	Use historical information to understand change in the landscape
2.13	PRODUCT SERVICE: Students design a product, project, or service to meet an identified need.	Interpretation of a natural community landscape
4.5	CONTINUITY AND CHANGE: Students understand continuity and change.	Use appropriate technology (GPS, Digital Camera, Scanner and Computer) to scan and submit online digital images
4.6	UNDERSTANDING PLACE: Students demonstrate understandings of the relationship between their local environment and community heritage and how each shapes their lives.	Convey information clearly as an oral presentation
6.1	CRITICAL EVALUATION OF CAUSES AND EFFECTS IN HUMAN SOCIETIES: Students examine complex webs of causes in relation to events in order to generalize about the workings of human societies, and they apply their findings to problems.	Organize information into a written report and poster presentation Interaction with the community Observation versus inference

### Vermont Framework Excerpt




The form includes fields for 'Information about you' (Name, Email, Phone Number), 'LOCATION OF PICTURE SET' (Town/County, GPS Coordinates, Datum, North Latitude, West Longitude), and sections for 'HISTORIC PHOTOGRAPH' and 'CURRENT PHOTOGRAPH' (File location, Title, Photo Source, Date, Photographer, Date). It also has sections for 'HISTORIC KEYWORDS' and 'LANDSCAPE CHANGE KEYWORDS'.

## Step 4. On-line Templates



The search results page shows a list of records with thumbnails and titles such as 'Former Road that is Now a Brook', '1927 Flood of the Winslow River', 'Winslow Flood of 1927', 'Flood Damage in Town', 'The Railroad Cut After the 1927 flood', 'The White River Washing Away the Bank During the 1927 flood', and 'Postcard of Main Street During the Flood of 1927'.



The search interface includes a 'SEARCH THE PHOTO COLLECTION' section with 'DOWNLOAD CONSIDERATIONS' (Legality, Time/Connection Speed) and search filters for 'SEARCH BY KEYWORDS (FAST SEARCH)' and 'SEARCH BY PHRASE IN DESCRIPTIONS AND TITLES (SLOWER)'.