

Caden Gallagher, Lindsay Coutts & Ashley Robertson

Need for Improved Social Understanding

Community involvement is vital to restoration in the SRW

Scott Valley landowners are key players insuring the future vitality of the Scott River

Climate change projection:

Web App Link

Time, labor, and leadership commitment (physical will)

Social perception and framing of environmental restoration in the Scott River Watershed (social will)

Ecological and

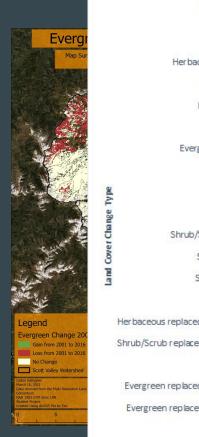
economic prosperity in the Scott River

Watershed

Funding for restoration (fiscal will)

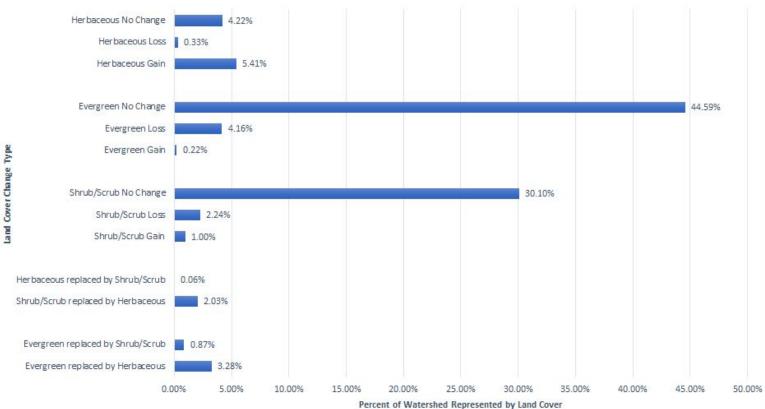
Youth perception of environmental issues and thoughts on restoration Providing resources to increase regional climate literacy and Adaptation Planning Landowner perception and willingness to participate in restoration

Vegetation Change Maps





Change

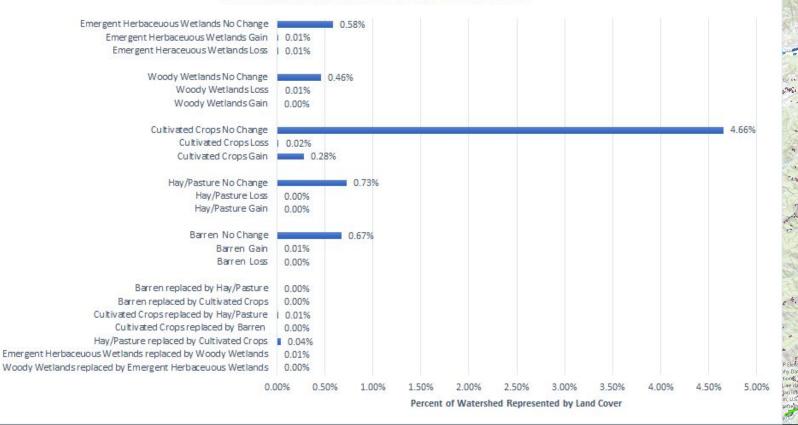


Agriculture and Wetlands Change Maps

Agriculture and Barren Land Cover Change

Map Summary: Barren, Hay/Pasture, and Cultivated Crops land cover

Percent of Agriculture and Wetland Land Cover Change by Total Land Area in the Scott River Watershed from 2001 to 2016



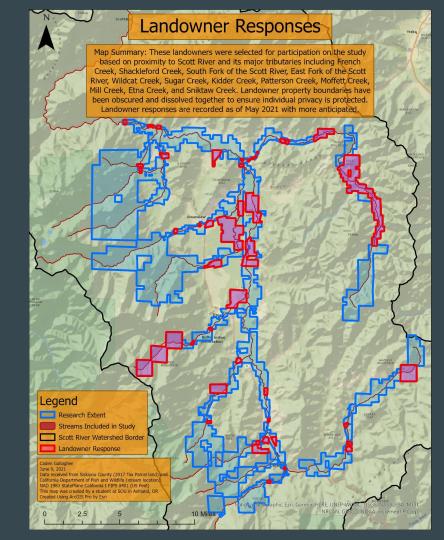
Landowner Selection & Response

Landowners were selected based on proximity to major tributaries of the Scott River

More than 40 landowners responded

Landowner responses were received from across the SRW

Responses were collected through August 2021 and not included in this study after June 2021



Methodology

Survey of two generations:

- Students online survey
- Landowners printed and mailed out

Purpose:

- Do the two groups have similar opinions?
- Are high school-aged kids going to be the future landowners in the SRW?

Institutional Review Board (IRB) Process

IRB- a necessary process when human subjects are included in a study

Students:

- → Parent consent form- "opt-out"
- → Student assent form

Landowners:

→ Consent form to be mailed back with survey

Research Questions

- How do landowners and high schoolers of the Scott River Watershed view restoration projects?
 - Do landowners and high schoolers see environmental issues as personal responsibility or a community responsibility or the responsibility of people at all?
 - How do landowners and high schoolers view the effect of landscape restoration on watershed productivity and community prosperity?
 - Do landowners and high schoolers hold value to the land similar to the way value is placed on community and family?
 - What role do private landowners see themselves in environmental restoration?

Scott River Watershed Natural Resource Perception Survey

This survey was created in collaboration with Southern Oregon University senior undergraduate Capstone students and the Scott River

Please respond to the following statements in relation to the Scott River Watershed:												
	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	No Opinion						
Individuals should be allowed to use private land for any purpose without government regulation.												
Landowners should be allowed to utilize wetlands for agricultural or industrial uses.												
 The government should regulate private land use to conserve natural resources. 												
Agriculture supports the management of natural resources in the Scott Valley.												
5. I support restoration efforts in the Scott Valley directed by external agencies (non-private landowners).												
6. I support restoration efforts on my property in Scott Valley.												
7. I feel watershed restoration efforts in Scott Valley are necessary.												
 Watershed restoration efforts organized by external agencies (non-private landowners) in Scott Valley will positively affect the financial prosperity of the Scott Valley. 												
Humans should play a role in the management of natural resources.												
 I feel that fishing is an important resource management activity. 												
11. I feel timber harvest is an important resource management activity.												
12. I feel hunting is an important resource management activity.												
13. I feel that habitat for certain species should be protected on private property.												
14. It is my responsibility to help solve natural resource problems in the Scott Valley.												
15. It is my responsibility to help solve natural resource problems globally.												
16. The health of the Scott River Watershed affects my health.												
17. I value my close family.												

18. I value my community.

19. I value the land I live on.								
20. I feel attached to Scott River due to its visual and aesthetic beauty.		sual						
21. I feel attached to Scott River due to its association with my family and community heritage.		eritage.						
22. I feel attached to Scott River due to how it is utilized and financially valued.								
23. My community and I have a connection/relationship to our local landscapes.		oes.						
24. I do not want beavers living on or near my property.								
25. Current laws regarding water quality are much too strict.								
26. I have immediate family the Scott Valley outside of m	ve in							
27. I plan to continue living in the Scott Valley for the foreseeable future.								
In the Scott River Watershed,	how big of a ro	le should eac	h of thes	se groups j	play in ensuring	that we have a l	healthy environr	nent?
	Not Responsible	Less Responsible		mewhat ponsible	More Responsible	Very Responsible	No Opinion	
Industry								
Government								
Environmental Non-profits								
Individuals								
Other (If Applicable):								
Please rank who you feel shou Watershed. (1= Most Respons			sure tha	at we have	a healthy enviro	onment in the S	cott River	
Industry	Government	E	nvironm	ental Non	-profits			
Individuals	Othe	(If Applicab	le):					
In years, how long have you liv		ey? (Please o	nly resp	ond if you	ı live in the Scot	t River Watersh	ned)	-0
In years, how old are you?								
For further questions, comment Investigator, Lindsay Coutts, cout								

Results

Six categories:

Demographics

Value and Attachment of the Land

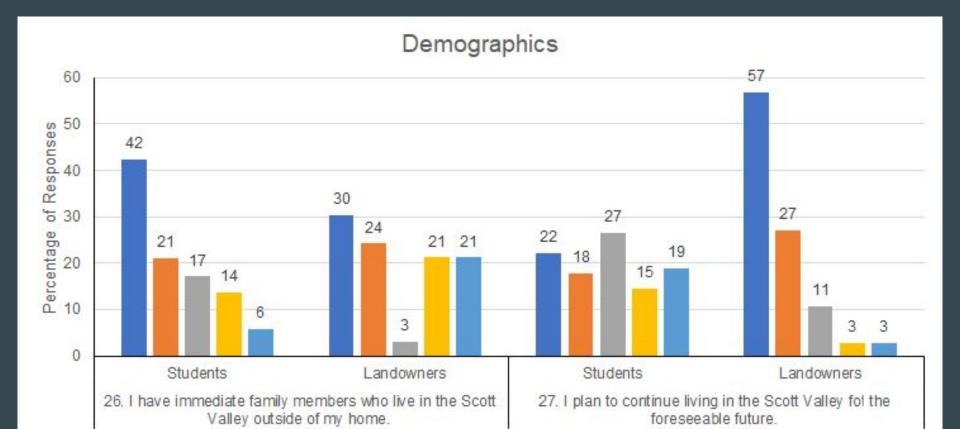
Restoration Support

Natural Resource Management

Property Rights

Responsibility for the Health of the Environment

40 landowners and 130 students responses were analyzed



■ Neutral

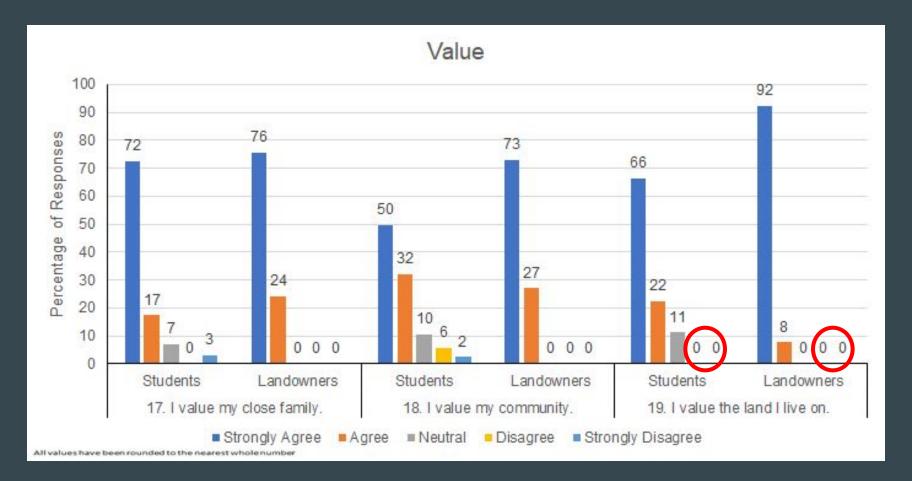
Disagree

Strongly Disagree

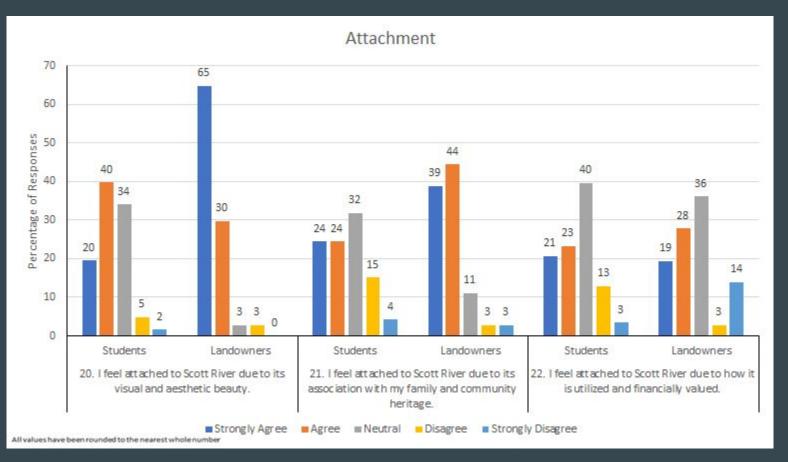
Strongly Agree

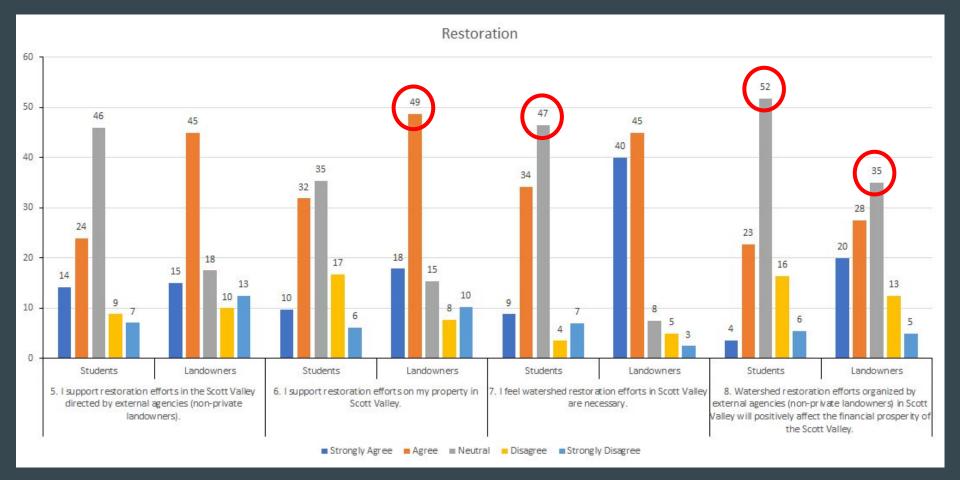
Agree

Value and Attachment of the Land

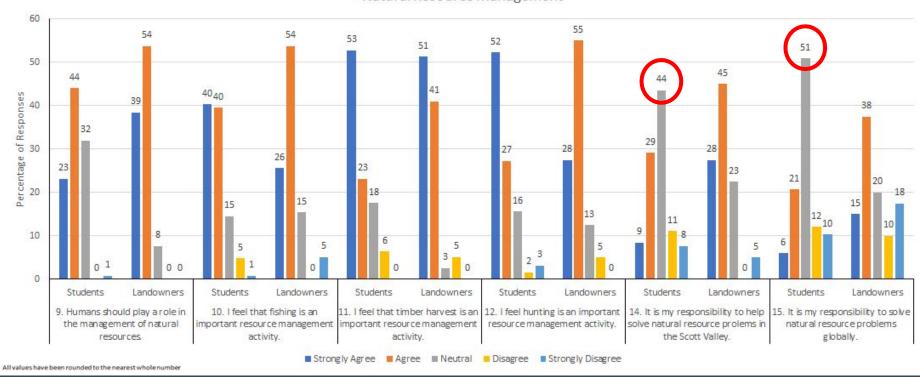


Value and Attachment of the Land



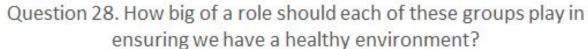


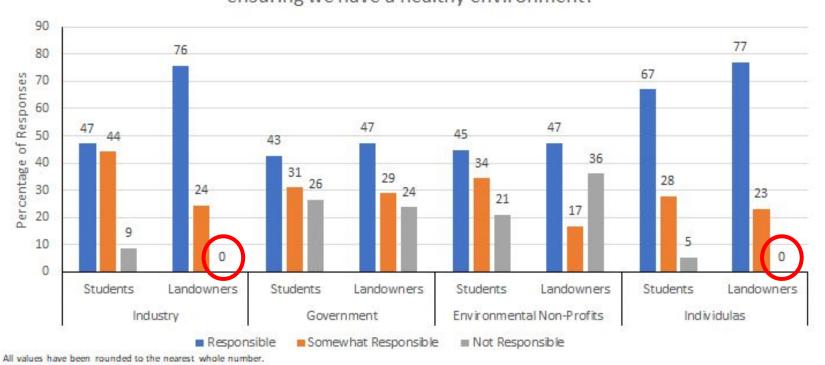






Responsibility for the Health of the Environment





Responsibility for the Health of the Environment



Our Contributions

- Web App
- Climate Adaptation Plan
- Land change analysis
- Landowner and student survey response data
- Online survey for future use

Final Thoughts

- Students generally are less likely to see a need for conservation and link restoration with community prosperity
- Many student responses were neutral indicating space for more restoration conversation
- There is space to address Scott River restoration as a community-based issue with landowners
- Survey responses indicate openness to restoration on landowner's private property
- Opportunity to open conversations about responsibility in land conservation and restoration
- Opportunity to link environmental restoration to community prosperity.
- Opportunity to link the Scott River with utility-based attachment
- There is potential to expand the scope and scale of future social survey projects in the SRW

Thank You

Charnna Gilmore - Director of the Scott River Watershed Council

SRWC Board of Directors and staff

Regina Hanna - Former Principal at Etna & Scott River High School

Marie Trammell - SOU Research and Grants Compliance Administrator

Dr. Gibbs - Professor of Sociology and Anthropology

Dr. Smith - Chair of Environmental Science & Policy

Dr. Gutrich - Professor of Environmental Science & Policy

Dr. Trammell - Associate Professor of Environmental Science and Policy



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