6th Grade Science ILOs			Stream Side Science Activity											
Intended Learning Outcome			Where's the Water?	What's in the Water?	Who lives in the Water?	Missing Macroinvertebrates	Wetland VS Stream Macros	Riparian Review	Nitrogen Cycle	When Things Heat Up	Aquatic Invasion!	That's Predictable	Water Management	Biodiversity Debate
Use Sciecne Process and Thinking Skills	1a		X	X	X	X	X	X	X	X				
	1b			X	X	X	X			X				
	1c		X	X				X						
	1d		X	X	X	X	X	X	X	X		X	X	X
	1e			X	X	X	X	X						
	1f													
	1g			X	X	X			X	X	X	X		
	1h						X			X		X		
	1i			X	X	X	X	X		X		X		
Manifest Science Attitudes and Interests	2a		X	X	X	X	X	X	X	X		X		
	2b													
	2c		X	X						X		X	X	X
	2d						X						X	X
	2e			X	X	X	X			X				
	2f						X					X		
Understand Science Concepts and Principles	3a													
	3b													
	3c										X			
Communicate Effectively Using Science Language and Reasoning	4a		X	X	X	X	X	X		X				
	4b		X	X	X	X	X					X		
	4c			X								X		
	4d											X	X	X
	4e			X										
Demonstrate Awareness of Social and Historical Aspects of Science	5a						X			X	X	X	X	X
	5b						X	X						
Understand the Nature of Science	6a												X	
	6b			X		X	X	X				X		
	6c				X	X	X		X	X		X		

6th Grade Math			Stream Side Science Activity											
Domain	Standard		Where's the Water?	What's in the Water?	Who lives in the Water?	Missing Macroinvertebrates	Wetland VS Stream Macros	Riparian Review	Nitrogen Cycle	When Things Heat Up	Aquatic Invasion!	That's Predictable	Water Management	Biodiversity Debate
Ratios and Proportional Relationships	1-2		No Correlations											
	3a-b		No Correlations											
	3c							X						
	3d		No Correlations											
Number System			No Correlations											
Expressions and Eqations			No Correlations											
Geometry			No Correlations											
Statistics and Probablility	1-4		No Correlations											
	5a				X	X	X	X						
	5b			X				X						
	5c-d		No Correlations											

7th and 8th grade Science ILOs			Stream Side Science Acitivty												
Intended Learning Outcome			Where's the Water?	What's in the Water?	Who lives in the Water?	Missing Macroinvertebrates	Wetland VS Stream Macros	Riparian Review	Nitrogen Cycle	When Things Heat Up	Aquatic Invasion!	That's Predictable	Water Management	Biodiversity Debate	
Use Science Process and Thinking Skills	1a		X	X	X	X	X	X	X	X					
	1b				X	X	X	X		X					
	1c				X	X	X	X		X					
	1d		X	X				X							
	1e											X			
	1f											X	X	X	
	1g				X	X	X	X							
Manifests Science Attitudes and Interests	2a														
	2b		X	X				X	X	X		X			
	2c												X	X	
	2d			X								X	X	X	
	2e							X	X	X			X	X	
Demonstrate Understanding of Science Concepts and Principles	3a		X												
	3b							X				X	X	X	
	3c		X	X	X	X	X	X	X	X			X	X	
	3d														
Communicate Effectively Using Science Language and Reasoning	4a			X	X	X	X			X		X	X	X	
	4b										X	X	X	X	
	4c										X	X			
	4d											X	X	X	
	4e		X		X	X	X			X			X		
	4f									X					
Demonstrate Awareness of Social and Historical Aspects of Science	5a		X	X				X	X	X	X	X	X	X	
	5b									X			X	X	
	5c			X					X			X			
	5d														
Demonstrate Understanding of the Nature of Science	6a			X								X		X	
	6b											X			
	6c		X	X	X	X				X		X	X	X	
	6d											X			
	6e			X						X					
	6f		X												

7th Grade Math				Stream Side Science Activity											
	Domain	Standard		Where's the Water?	What's in the Water?	Who lives in the Water?	Missing Macroinvertebrates	Wetland VS Stream Macros	Riparian Review	Nitrogen Cycle	When Things Heat Up	Aquatic Invasion!	That's Predictable	Water Management	Biodiversity Debate
	Ratios and Proportional Relationships			No Correlations											
	Number System	1		No Correlations											
		2		No Correlations											
		3					X	X	X						
	Expressions and Equations			No Correlations											
	Geometry			No Correlations											
	Statistics and Probability	1				X	X	X	X						
		2				X	X	X	X						
		3-8		No Correlations											

7th Grade Science Standards				Stream Side Science Activity												
Standard	Objective	Indicator		Where's the Water?	What's in the Water?	Who lives in the Water?	Missing Macroinvertebrates	Wetland VS Stream Macros	Riparian Review	Nitrogen Cycle	When Things Heat Up	Aquatic Invasion!	That's Predictable	Water Management	Biodiversity Debate
I				No Correlations												
II				No Correlations												
III				No Correlations												
Standard IV	Objective 1.			No Correlations												
	Objective 2. Relate the adaptability of organisms in an environment to their inherited traits and structures	IV-2a														
		IV-2b					X	X								
		IV-2c														
		VI-2d				X	X	X								
Standard V	Objective 1. Classify based on observable properties.	V-1a														
		V-1b														
		V-1c														
		V-1d				X	X	X	X							
	Use and develop a simple classificaiton system.	V-2a				X	X	X								
		V-2b				X	X	X	X							
		V-2c				X	X	X	X							
		V-2d				X	X	X	X							
		V-2e				X	X	X	X							
	Classify organisms using an orderly pattern based upon structure.	V-3a														
		V-3b														
		V-3c				X	X	X	X							
		V-3d														

8th Grade Standard				Stream Side Science Activity												
Standard	Objective	Indicator		Where's the Water?	What's in the Water?	Who lives in the Water?	Missing Macroinvertebrates	Wetland V/S Stream Macros	Riparian Review	Nitrogen Cycle	When Things Heat Up	Aquatic Invasion!	That's Predictable	Water Management	Biodiversity Debate
Standard I	Objective 1. Describe chemical and physical proporties of various substances.	I-1a			X					X	X				
		I-1b			X					X	X				
		I-1c													
	Objective 2. Observe and evaluate evidence of chemical and physical change.	I-2a													
		I-2b													
		I-2c			X					X	X				
		I-2d													
	Objective 3.	I-3		No Correlations											
	Objective 4. Identify observable features of chemical reactions.	I-4a													
		I-4b							X						
		I-4c									X				
		I-4d									X				
		I-4e							X						
Standard II	Objective 1.	II-1		No Correlations											
	Objecive 2. Generalixe the dependent relationships beteween organisms	II-2a													
		II-2b													
		II-2c							X		X				
		II-2d													
	Objective 3. human influence on the capacity of an environment to sustain living things.	II-3a										X	X		X
		II-3b													X
		II-3c											X		X
		II-3d													X
III				No Correlations											
IV				No Correlations											

8th Grade Math			Stream Side Science Activities											
Domain	**Standards**		Where's the Water?	What's in the Water?	Who lives in the Water?	Missing Macroinvertebrates	Wetland VS Stream Macros	Riparian Review	Nitrogen Cycle	When Things Heat Up	Aquatic Invasion!	That's Predictable	Water Management	Biodiversity Debate
The Number System			No Correlations											
Expressions and Equations				X						X				
Functions			No Correlations											
Geometry			No Correlations											
Statistics and Probability			No Correlations											

Earth Systems Science			Stream Side Science Activities											
Standards	Objectives	Indicators	Where's the Water?	What's in the Water?	Who lives in the Water?	Missing Macroinvertebrates	Wetland VS Stream Macros	Riparian Review	Nitrogen Cycle	When Things Heat Up	Aquatic Invasion!	That's Predictable	Water Management	Biodiversity Debate
I		No Correlations												
II		No Correlations												
III		No Correlations												
Standard IV	Objective 1. Characterize the water cycle in terms of its reservoirs, water movement among reservoirs and how water has been recycled throughout time.	IV-1a		X										
		IV-1b	No Correlations											
		IV-1c	No Correlations											
	Objective 2. Analyze the characteristics and importance of freshwater found on Earth's surface and its effect on living systems.	IV-2a	No Correlations											
		IV-2b			X	X	X	X	X	X	X	X	X		
		IV-2c			X	X	X	X	X	X	X		X		X
		IV-2d											X	X	X
	Objective 3.	IV-3	No Correlations											
V		No Correlations												

9-12 Science ILOs			Stream Side Science Activity											
Intended Learning Outcome			Where's the Water?	What's in the Water?	Who lives in the Water?	Missing Macroinvertebrates	Wetland VS Stream Macros	Riparian Review	Nitrogen Cycle	When Things Heat Up	Aquatic Invasion!	That's Predictable	Water Management	Biodiversity Debate
Use Scientific Processes and Thinking Skills	1a			X	X	X	X	X	X	X		X		
	1b			X	X	X			X	X		X		
	1c			X	X	X	X		X	X		X		
	1d			X	X	X	X		X	X				
	1e			X	X	X	X		X	X		X		X
	1f			X		X	X	X		X		X	X	X
	1g				X	X	X	X						
	1h		X						X					
	1i		X	X		X	X	X		X				
	1j			X		X	X	X		X			X	
Manifest Scientific Attitudes and Interests.	2a										X	X	X	X
	2b			X	X	X	X	X	X	X	X	X		X
	2c			X				X					X	X
	2d										X		X	
	2e							X				X	X	X
	2f												X	
Demonstrate Understanding of Science Concepts, Principles, and Systems	3a			X	X	X	X	X	X	X	X		X	X
	3b	No Correlations												
	3c			X	X	X	X	X	X	X	X	X	X	X
	3d				X	X	X	X		X				
Communicate Effectively Using Science Language and Reasoning	4a			X	X	X	X	X	X	X	X	X	X	
	4b			X	X	X	X	X	X	X	X	X	X	
	4c			X	X	X	X	X	X	X		X	X	
	4d				X	X	X	X	X	X	X	X	X	
	4e		X	X	X	X	X	X	X	X			X	X
Demonstrate Awareness of Social and Historical aspects of Science	5a										X	X		X
	5b			X										X
	5c			X										X
	5d	No Correlations												
Demonstrate Understanding of the Nature of Science	6a			X				X		X			X	
	6b			X	X	X	X	X		X			X	
	6c			X	X	X	X	X		X			X	
	6d			X				X		X			X	
	6e									X				
	6f	No Correlations												
	6g			X									X	
	6h			X				X		X				
	6i												X	

Biology			Stream Side Scienc Activity											
Standard	**Objective**	**Indicator**	Where's the Water?	What's in the Water?	Who lives in the Water?	Missing Macroinvertebrates	Wetland VS Stream Macros	Riparian Review	Nitrogen Cycle	When Things Heat Up	Aquatic Invasion!	That's Predictable	Water Management	Biodiversity Debate
Standard I	Objective 1.	I-1	No Correlations											
	Objective 2. Explain relationships between matter cyles and organisms.	I-2a							X					
		I-2b		X									X	
		I-2c												
		I-2d										X	X	X
	Objective 3. Describe how interactions among organisms and their environment help shape ecosystems.	I-3a												
		I-3b								X		X		
		I-3c			X	X	X	X	X	X	X	X		
		I-3d			X	X	X	X	X	X	X	X		X
		I-3e									X	X	X	X
II			No Correlations											
III			No Correlations											
IV			No Correlations											
V			No Correlations											

Chemistry				Stream Side Science Activity												
Standard	Objective	Indicator		Where's the Water?	What's in the Water?	Who lives in the Water?	Missing Macroinvertebrates	Wetland VS Stream Macros	Riparian Review	Nitrogen Cycle	When Things Heat Up	Aquatic Invasion!	That's Predictable	Water Management	Biodiversity Debate
I		No Correlation														
II		No Correlation														
III		No Correlation														
IV		No Correlation														
V		No Correlation														
Standard VI	Objective 1. Describe factors affecting the process of dissolving and evaluate the effects that changes in concentration have on solutions.	VI-1a														
		VI-1b														
		VI-1c														
		VI-1d														
		VI-1e			X					X	X					
	Objective 2	No Correlation														
	Objective 3	No Correlation														

Utah Studies			Stream Side Science Acitivity											
Standard	**Objective**	**Indicator**	Where's the Water?	What's in the Water?	Who lives in the Water?	Missing Macroinvertebrates	Wetland VS Stream Macros	Riparian Review	Nitrogen Cycle	When Things Heat Up	Aquatic Invasion!	That's Predictable	Water Management	Biodiversity Debate
Standard I		I-1	No Correlations											
		I-2	No Correlations											
	Asses how natural resources sustain and enhance people's lives.	I-3a			X							X	X	X
		I-3b											X	
		I-3c											X	
		I-3d										X	X	X
		I-4	No Correlations											
II			No Correlations											
III			No Correlations											
IV			No Correlations											
V			No Correlations											

9-12 Math				Stream Side Science Activities											
Conceptual Category	**Domain**	**Standards**		Where's the Water?	What's in the Water?	Who lives in the Water?	Missing Macroinvertebrates	Wetland VS Stream Macros	Riparian Review	Nitrogen Cycle	When Things Heat Up	Aquatic Invasion!	That's Predictable	Water Management	Biodiversity Debate
Number and Quantity				No Correlations											
Algebra				No Correlations											
Functions				No Correlations											
Modeling				No Correlations											
Geometry				No Correlations											
Statistics and Probability	Making Inferences and Justifying Conclusions	1			X	X	X	X							
		2-3		No Correlations											
		4							X						
		5		No Correlations											
	Conditional Probability and the Rules of Probability	1							X						
		2-9		No Correlations											

Geography for Life			Stream Side Science Activity												
Standard	**Objective**	**Indicator**	Where's the Water?	What's in the Water?	Who lives in the Water?	Missing Macroinvertebrates	Wetland VS Stream Macros	Riparian Review	Nitrogen Cycle	When Things Heat Up	Aquatic Invasion!	That's Predictable	Water Management	Biodiversity Debate
I			No Correlations											
Standard II	Interpret place by its human and physical characteristics.	II-1a											X	X
		II-1b		X	X	X	X	X	X			X			
		II-1c													
		II-2	No Correlations												
		II-3	No Correlations												
III			No Correlations												
IV			No Correlations												
Standard V	Explore how humans change the environment and how the environment changes humans.	V-1a													
		V-1b													
		V-1c													
		V-1d											X	X	X
	Assess the importance of natural and human resources	V-2a												X	
		V-2b		X											
		V-2c												X	
		V-2d													
VI			No Correlations												

NR Science I				Stream Side Science Activity												
Standard	Objective	Indicator		Where's the Water?	What's in the Water?	Who lives in the Water?	Missing Macroinvertebrates	Wetland VS Stream Macros	Riparian Review	Nitrogen Cycle	When Things Heat Up	Aquatic Invasion!	That's Predictable	Water Management	Biodiversity Debate
I				No Correlations												
II				No Correlations												
Standard III	Objective 1. Discuss the basics of natural resource science management.	III-1a		No Correlations												
		III-1b												X		
		III-1c		No Correlations												
		III-1d									X					
	Objective 2. Examine the realtionship between natural resources and society, including the conflict management.	III-2a-b		No Correlations												
		III-2c											X	X		
		III-2d		No Correlations												
		III-2e												X		
		III-2f												X		
	Objective 3.	III-3		No Correlations												
Standard IV	Objective 1. Examine ecology.	IV-1a-d		No Correlations												
		IV-1e													X	
		IV-1f		No Correlations												
		IV-1g				X	X	X								
		IV-1h														
		IV-1i														
		IV-1j														
	Objective 2.			No Correlations												
	Objective 3. Examine hydrology principles.	IV-3a-g		No Correlations												
		IV-3h			X					X	X					
		IV-4		No Correlations												
IV				No Correlations												
V				No Correlations												

NR Science II			Stream Side Science Activity											
Standard	Objective	Indicator	Where's the Water?	What's in the Water?	Who lives in the Water?	Missing Macroinvertebrates	Wetland VS Stream Macros	Riparian Review	Nitrogen Cycle	When Things Heat Up	Aquatic Invasion!	That's Predictable	Water Management	Biodiversity Debate
I			No Correlations											
II			No Correlations											
Standard III	Objective. 1. Communicate natural resource information to the public.	III-1a	No Correlations											
		III-1b												X
		III-1c	No Correlations											
		III-1d										X	X	
		III-1e											X	X
		III-1f									X			
		III-1g											X	X
Standard IV	Objective 1. Identify and evaluate natural resources.	IV-1a			X	X	X	X	X			X	X		X
		IV-1b											X		X
	Objective 2. Examine the relationship between natural resource and society, including conflict management.	IV-2a	No Correlations											
		IV-2b												X	X
		IV-2c	No Correlations											
		IV-2d	No Correlations											
		IV-2e													X
		IV-2f	No Correlations											
	Objective 3.		No Correlations											
Standard V	Obejctive 1.	V-1	No Correlations											
	Objective 2. Relate the function of watersheds and water resources to natural resources.	V-2a	No Correlations											
		V-2b											X		
		V-2c										X	X	X	
		V-2d	No Correlations											
		V-2e		X	X										
		V-2f			X					X	X				
		V-2g	No Correlations											
		V-2h						X							
		V-2i	No Correlations											
	Objective 3. Analyze wildlife/aquatic resources and management.	V-3a-d	No Correlations											
		V-3e			X	X	X	X	X			X			
		V-3f-g	No Correlations											
	Objective 4	V-4	No Correlations											
	Objective 5	V-5	No Correlations											
	Objectgive 6	V-6	No Correlations											
	Objective 7	V-7	No Correlations											
VI			No Correlations											