

## TEMPLATE FOR CMap PROJECT

**Project Title: Oquirrh Hills Middle School--Frog habitat**

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Project Description	Oquirrh Hills Middle School--Frog habitat.  Inventory the wetlands in Riverton that are conducive to frog habitat.
Community Issue or Problem Selected -How project evolved?	Are there frogs in Riverton? Businesses and real estate developers are concerned about state and federal control and restrictions on local resources. Kids, on the other hand, don't really care if a business suffers from such restrictions, they want to know if there are frogs in the neighborhood.
Community Partner(s)	Army Corp of engineers, local developers, Jordan River Parkway Association, local environmental groups, USU Water Quality Extension
Project Objectives	Survey each of the several wetlands identified by the Corp in the Riverton area and identify those with habitat suitable for frogs.
Utah Core Standards/Objectives	GPS, GIS for edtech (8 <sup>th</sup> & 9 <sup>th</sup> grade) and CTE Intro (7 <sup>th</sup> grade)  I do not know the science standards and will need to consult with the science teachers I want on the team. I will meet with them in early August.
Essential Question(s) -Spatial Issue	What constitutes frog habitat? How large and how wet must the area be? What plants and animals must be available?
Assessments (rubrics, scoring guides)	Habitat criteria Survey data sheets GPS skills GIS skills Reports, posters, web pages, ArcMap project
Project Products	Link to school web page Student logs, posters and reports. Plant and animal inventories/identifications
Project Timeline (include a step by step Procedures)	School year 2008-2009 Wetland survey with GPS waypoints Sep-Nov 2008 Inventory of plants

	<p>Inventory of animals  Inventory of aquatic life  Water quality survey  Student Reports Dec-Mar 2009  Individual student reports on inventory of interest  Web reports  Water quality to USU  ArcMap</p>
Resources Needed	GPS, science teachers and their support, digital cameras, GIS layers and topo maps
Skills Required	GPS, animal, plant identification Research, report writing, web page creation, ArcMap,
Project Team Member Roles	<p>Teacher(s):Stephens, Monson, Byerline</p> <p>Students: edtech students  Army Corp of engineers  local developers  Jordan River Association  local environmental groups  USU Water Quality Extension</p>
Celebration/Presentation	<p>Student work will be presented in class and at parent-teacher conferences.</p> <p>Outstanding work will be presented to the local media.</p>
Project Evaluation	<p>Number of students involved  Depth/quality of detail in the surveys</p>
Project Bibliography	To be determined
Plans for Future CMAP Activities	<p>Longitudinal study—repeat next year, track changes.  Look at city green space use and economic impact.</p>