

Peggy O'Reilly  
6/07

TEMPLATE FOR CMap PROJECT

**Name: Peggy O'Reilly**  
**Class: Moab 2007**  
**Project Title: Tamarisk**

Project Description	To track and map the tamarisk beetle along the Colorado River To make power point presentations using data
Community Issue or Problem Selected -How project evolved?	The tamarisk growing along the Colorado River is using huge amounts of water as well as taking the space from native plants
Community Partner(s)	Tim Higgs (Grand County Weed Supervisor) Michael Johnson (USU Extension) Dave Vaughn (GCRD)
Project Objectives	Students will collect data showing the progress of the tamarisk beetle using GPS and other available information Students will map data Students will make power points demonstrating the information
Utah Core Standards/Objectives	4 <sup>th</sup> , 5 <sup>th</sup> , & 6 <sup>th</sup> Grade Science - ILO #1, #2, and #4 Language Arts -Standard 8 Ob. 6 (e. functional texts, f. charts & graphs)
Essential Question(s) -Spatial Issue	How much impact are the beetles making? How many acres of tamarisk are being defoliated? At what rate? Pros/Cons??
Assessments (rubrics, scoring guides)	Field data with GPS waypoints Rubric to assess power points
Project Products	Create an ArcGIS9 map of the river way Create power points
Project Timeline (include a step by step Procedures)	August – introduce topic and community partners September - collect data and organize into Excel October – collect data, organize into maps, create webs for power point presentations November – put together power points and present

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Resources Needed	GPS Units and Digital Cameras Computers ArcGIS and DNR Garmin software installed and working Clip boards and data table handout for hike File management with folders created and organized ahead of time Grand County Aerial images
Skills Required	How to use GPS How to organize data How to use Excel How to create tables in ArcGIS9 How to read a map How to create a map layout
Project Team Member Roles	<b>Teacher(s): Organize project and support students</b>  <b>Students: Collect, organize and download data</b> <b>Present final projects</b>  <b>Partner(s): Inform, guide, and assist students</b>
Celebration/Presentation	Present to classmates, school, parents, and community partners
Project Evaluation	Feedback of presentations from community partners
Project Bibliography	<u>Agricultural Research</u> Apr. 2005, Vol 53 Issue 4, p2-2, 1p <u>Agricultural Research</u> Apr. 2005, Vol 53 Issue 4, p4-6, 5c <u>Agricultural Research</u> Apr. 2005, Vol 53 Issue 4, p7-7, 1p, 1c Science; 05/21/99, Vol. 284 Issue 5418, p.1255, 1p, 3c
Plans for Future CMAP Activities	Continue tracking the progress of the tamarisk year to year Map and label all school outings on a community map

Optional: