

Envirothon/Utah WHEP
Oral Scenario
2010

Use this information to create your Utah Envirothon and Utah WHEP Oral presentation. When creating your Oral Presentation, use the criteria provided by Utah Envirothon. Additionally, this scenario should be used to create your Utah WHEP management plan. When creating your Utah WHEP management plan, use the evaluation criteria provided in the National WHEP manual. You will submit your Utah WHEP management plan upon arriving at the Utah WHEP contest site.

BACKGROUND

The small agricultural town of Carrot is looking to expand, to increase recreational tourism. The town is situated among the foothills. Above the town is a 30-acre reservoir that is used for the town's culinary and domestic purposes. This reservoir is also used by sport fishermen (rainbow trout is a favorite species) and for other recreation. The reservoir is important for recharging the aquifer that runs below the town. This aquifer is the water source for the irrigated agricultural practices surrounding the town. Additionally, the aquifer charges the river downstream of town, as it flows down the foothills, through several springs. The habitat around the reservoir is home to snowshoe hares, black-capped chickadees, and (American) martens.

A river begins at the outflow of the reservoir. It meanders along the edge of town, and can be a small water source for gardens and farms along the way. Here, it has been changed to accommodate the needs of town. However, as it leaves, it returns to its natural state. In fact, a few miles below town, the river supports a blue-ribbon trout fishery. Additionally, the springs and riparian areas along the river support amphibians such as bullfrogs. This area is also preferred habitat for several bird species, including the mallard, where riparian vegetation is intact. Many of the bird species present in the area used to be seen in town often, but this is no longer the case.

YOUR OBJECTIVE

You are city council, and have been charged with creating a development plan that protects existing water sources and water uses while allowing for the growth of the town. You will need to consider existing water uses and how these would change with increased development in the town. For example, consider the location of where the new developments will be located, and how their water needs will affect existing resources. Consider the existing potential pollution sources and how changes to the community will increase or decrease pollution to the water system. Additionally, wildlife and fisheries habitat should be maintained, if not improved, throughout the area. As city council, it is important to ensure that all affected parties, as well as management entities, are involved in the planning and development process.



This is not an official map that must be used for your planning. It is provided for reference, so that you might understand the layout of reservoir—town—river. We do not intend for your plan to mimic this map. Please remember, **NO PRE-CREATED** materials can be used during your oral presentation.