

Treasure Valley:

- Located around Browning Pond, 30 min northwest of Worcester - Serves as a summer camp for boy scouts and cub scouts



BOY SCOUTS OF AMERICA® MOHEGAN COUNCIL

Problem:

- Unpaved roads are being heavily eroded - Excess nutrient runoff from storm water - Unmaintained Septic Systems





Impact:

Eutrophication: - Depletes oxygen in water impairing the ecosystem - Water quality is not ideal for recreation



Team Goals:

- Reduce and prevent eutrophication - Maintain a healthy environment for scouts







The Effect of Runoff at Browning Pond

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Cost Benefit Analysis

ogy	Costs	Benefits
er Plants	 Initial payment is high Requires seasonal care 	 Improves environmental conditions -Controls erosion -Simple concept
r Socks	- Can not handle high concentrated water flow	 Solves both the erosion and nutrient problem Low Maintenance
IS		
ic System Itenance	- Not directly impactful to the environment	- Already required - Low long-term cost
ic System rading	 Initial investment is high Difficult implementation 	- Greatest impact in solving the nutrient problem

Implementation

• Volunteers plant cover berries and install Filtrexx SiltSoxx and Filtrexx EnviroSoxx • To be completed in spring of 2016

• Test the soil around septic systems for nutrients Begin recommended septic system maintenance practices by summer of 2016

• Monitor the solutions a year after implemented Evaluate the pollutant and erosion levels in four years after each solution has been implemented

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