

Clean Water Act

(CWA) 33 U.S.C. 1251 - 1387

objective:

"restore and maintain the chemical, physical and biological integrity of the Nation's waters"

goals:

"Elimination of the discharge of pollution into surface waters; and

achievement of a level of water quality which provide for the protection and propagation of fish, shellfish and for recreation in and on water."

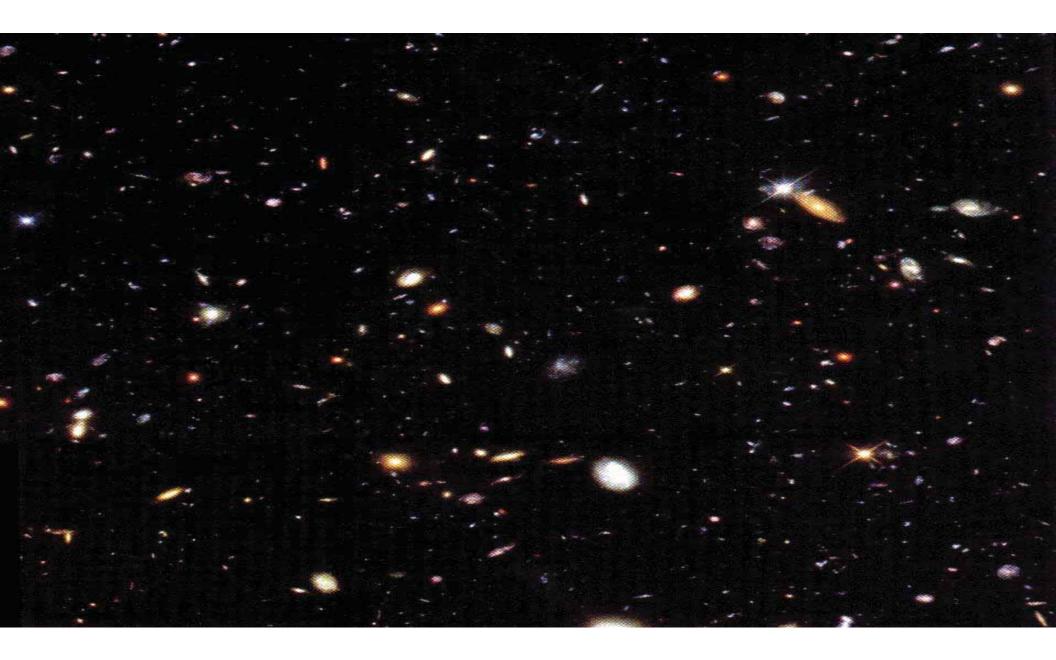


Gives us authority to regulate discharges into waters of the Navajo Nation

Gives us authority to implement a National Pollutant Discharge Elimination Program

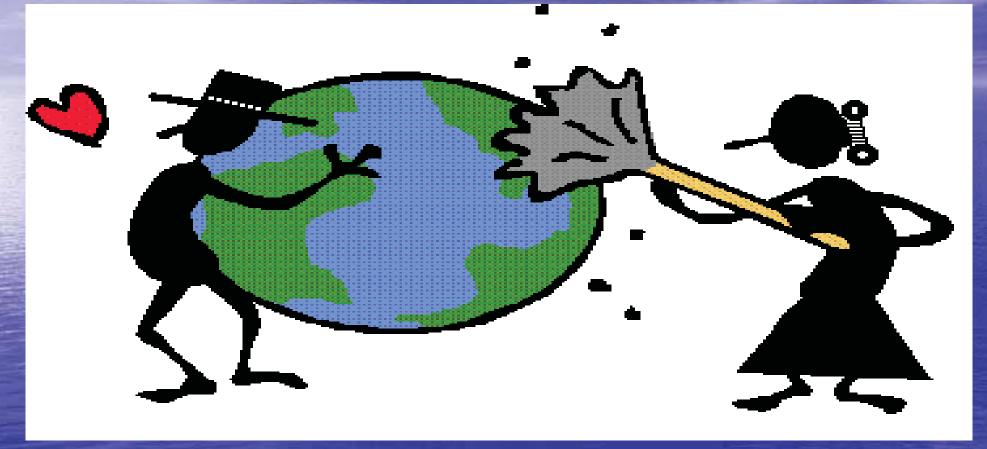
Gives us authority to implement a Clean Lakes Program

Allows for implementation of Water Quality Standards

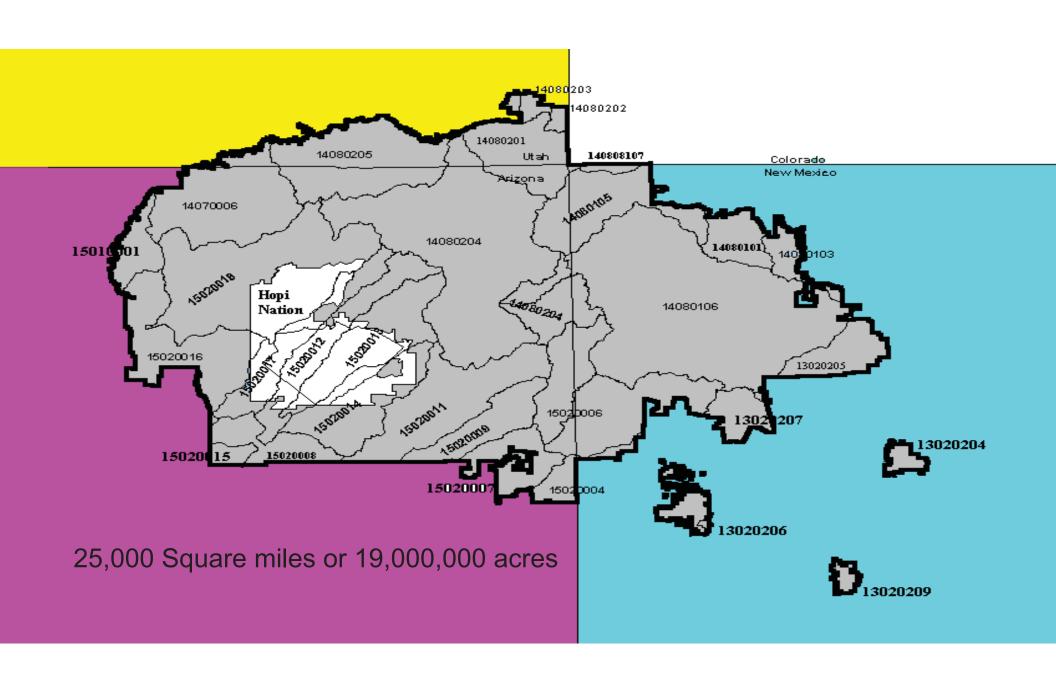




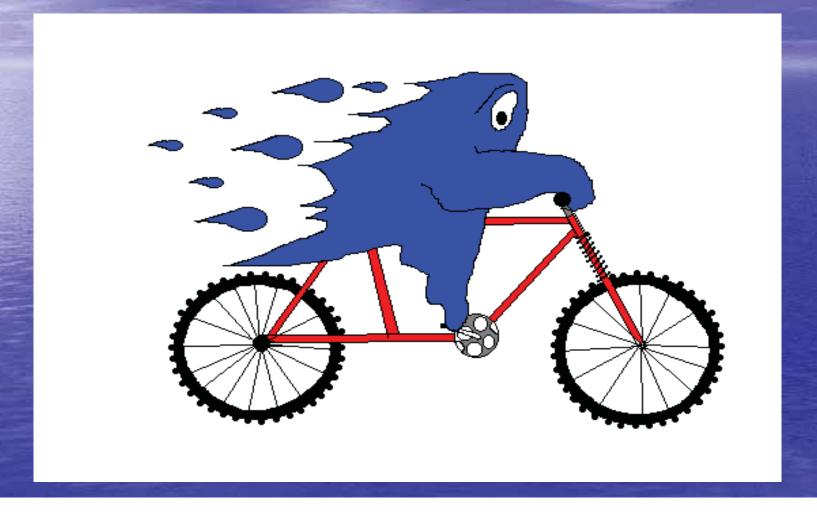
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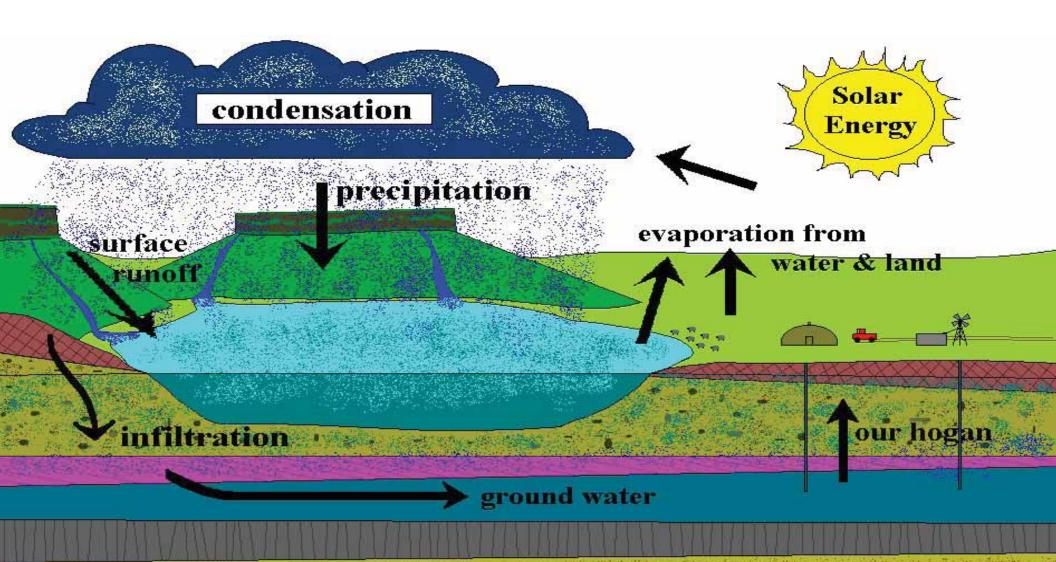


Our Mother Earth

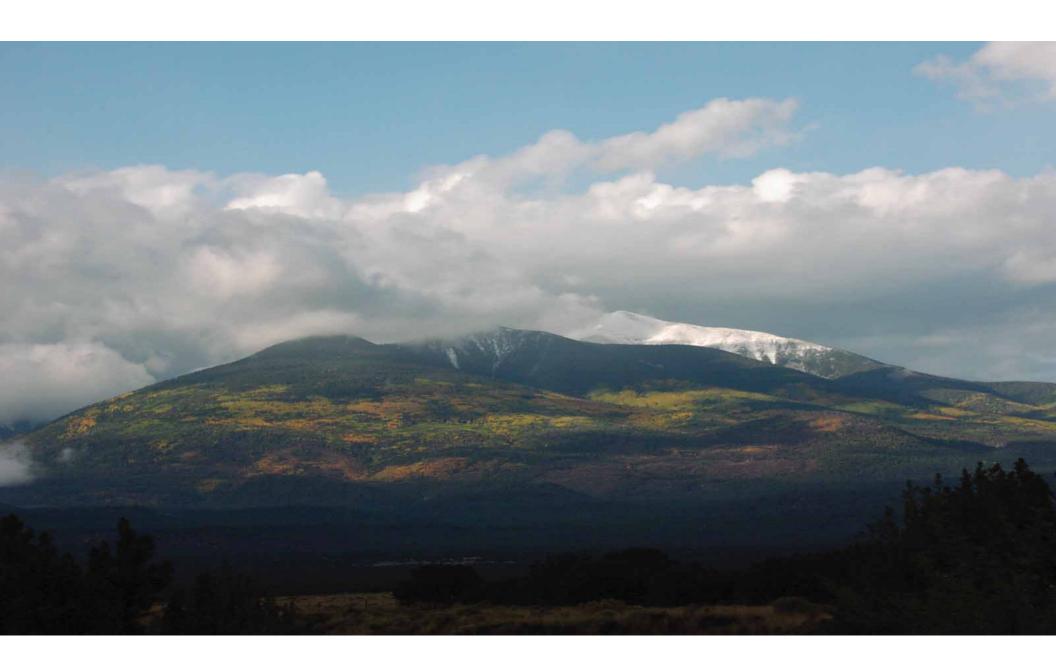


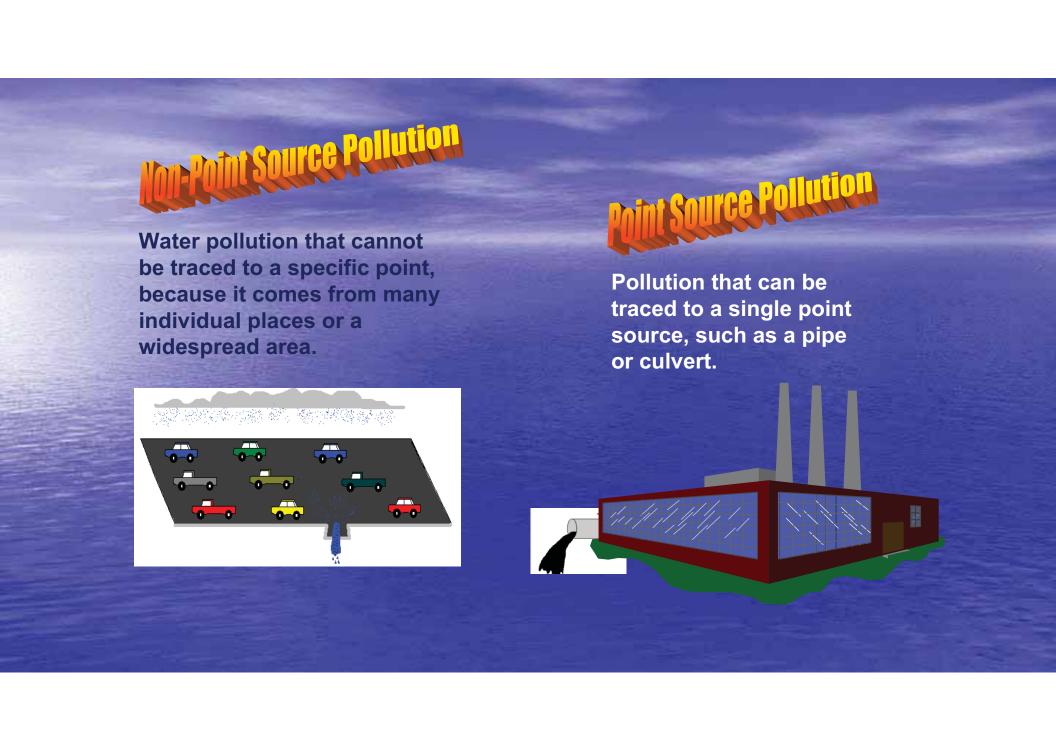
Water Cycle



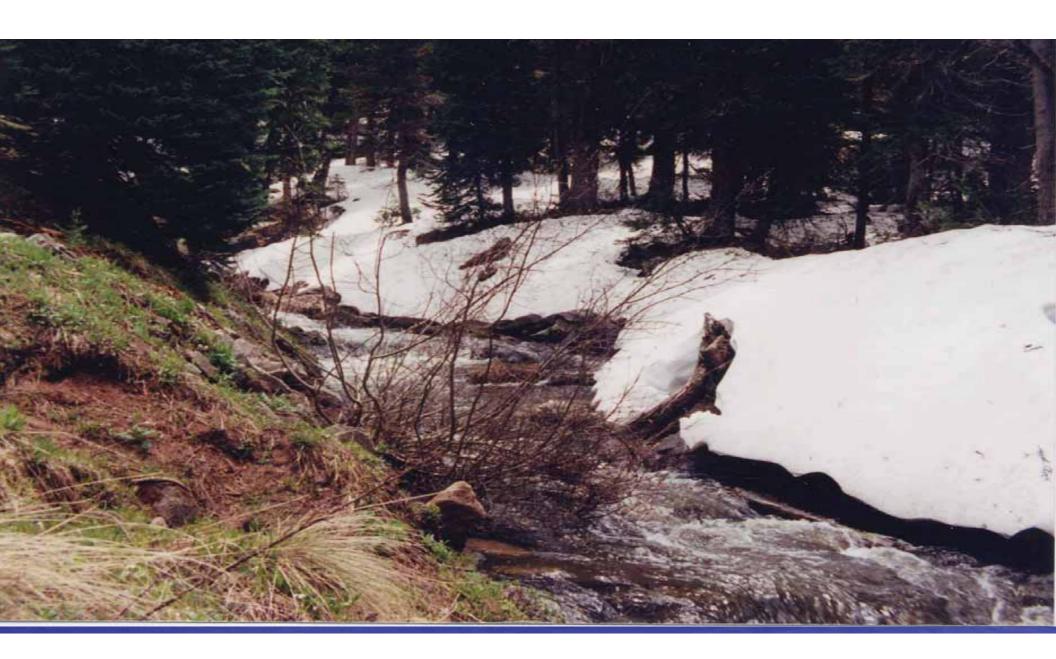


THE WATER CYCLE











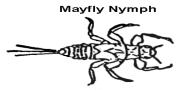






Stream Bugs You Might Find on the Navajo Nation

Sensitive

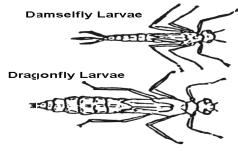


Stonefly Nymph



Need high quality water (Sensitive to pollution)

Somewhat Tolerant







Caddisfly Larvae

Need somewhat high quality water

(Somewhat tolerant to pollution)

Very Tolerant





Snails



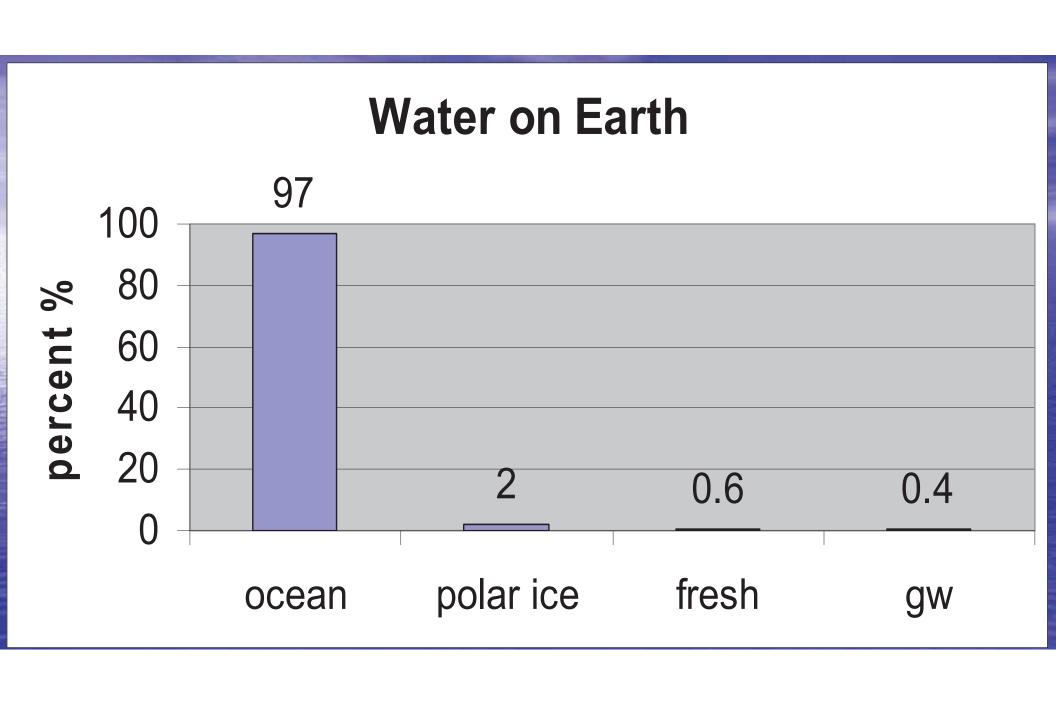


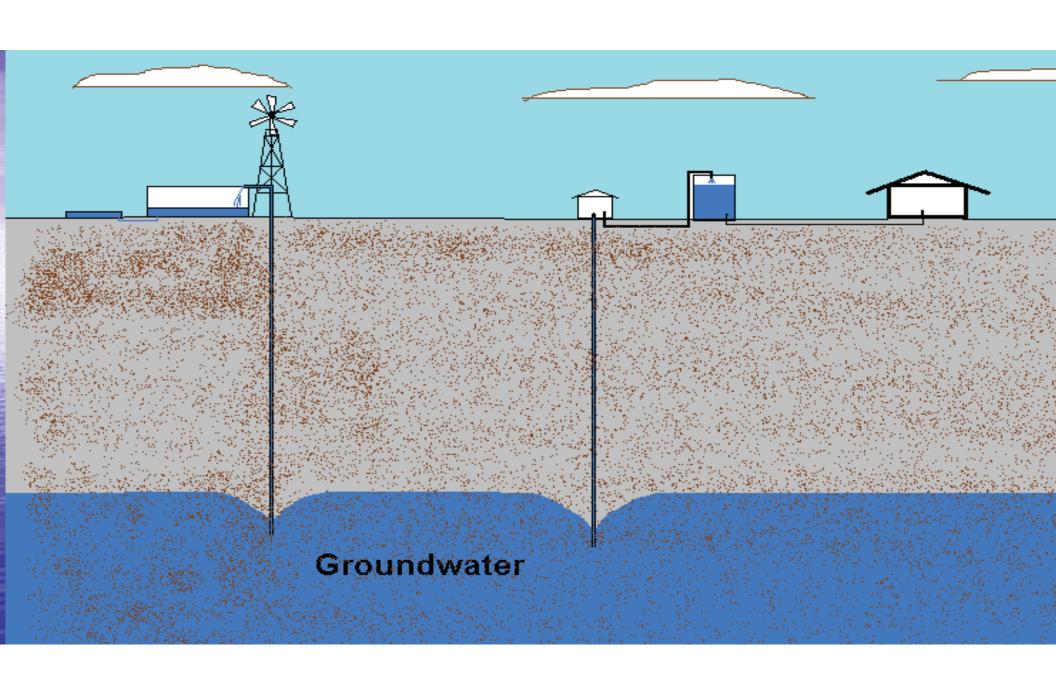
Aquatic Worms

Leeches



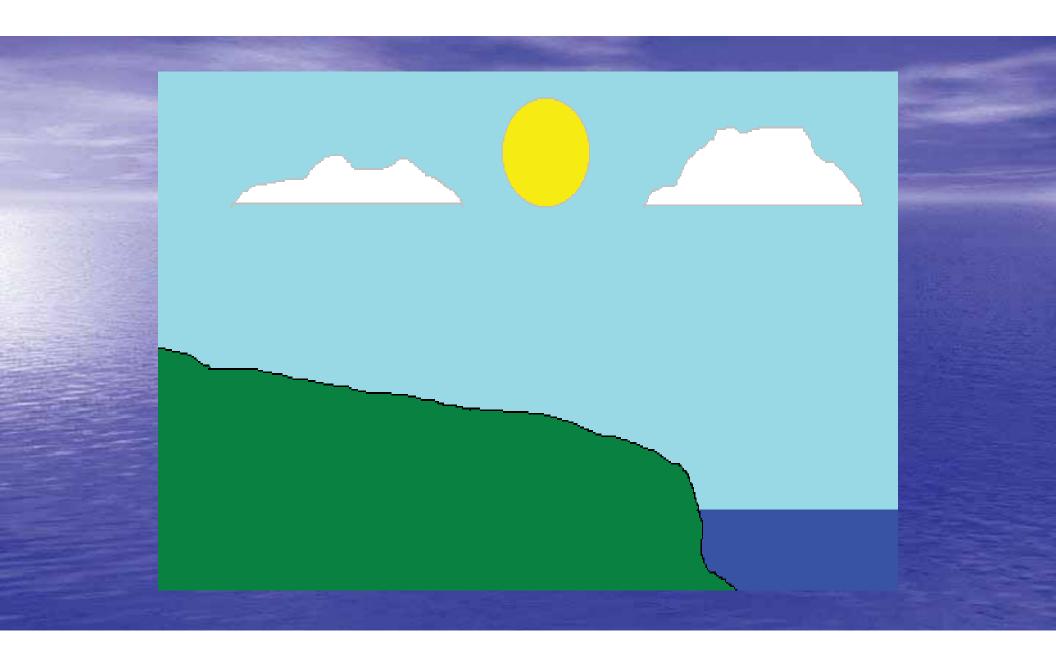
Can live in low quality water (Very tolerant to pollution)

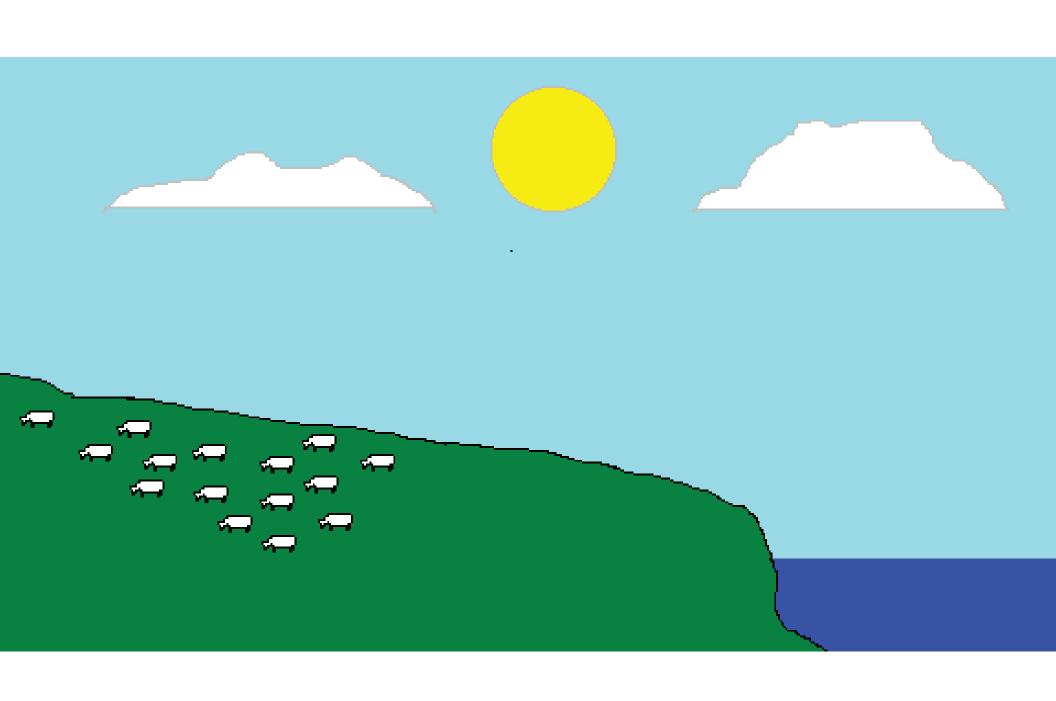


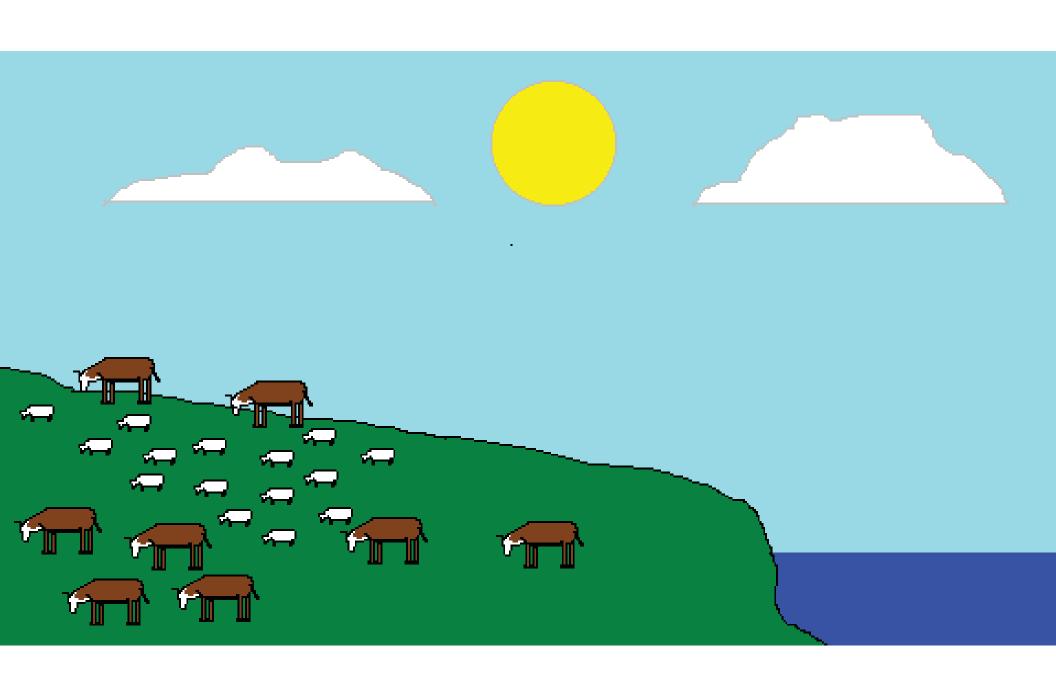


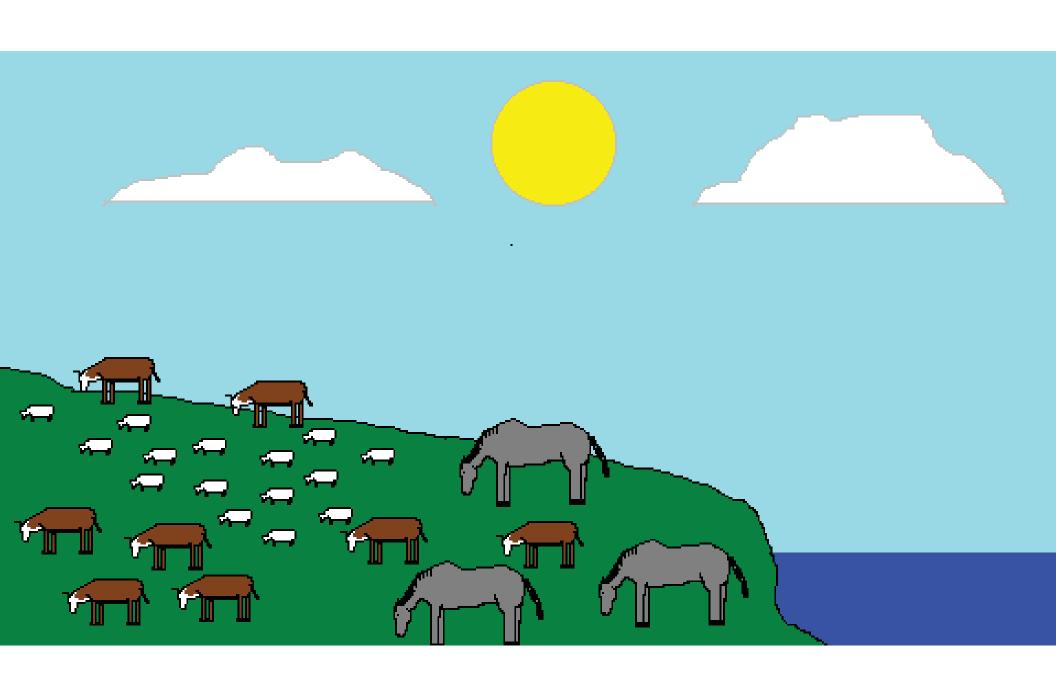


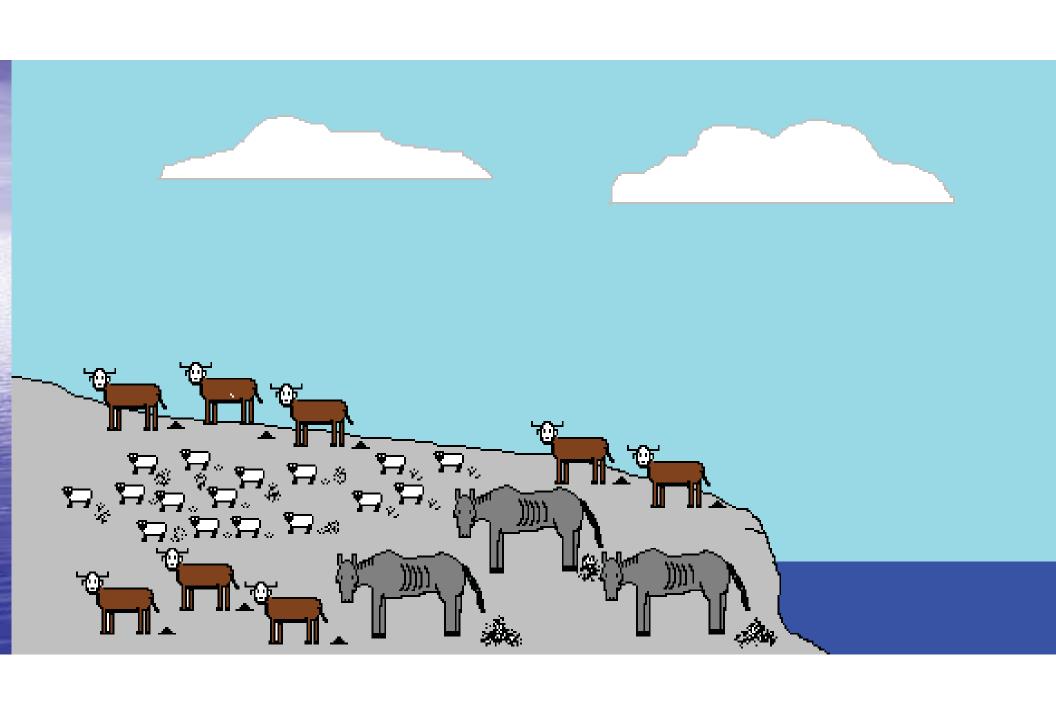


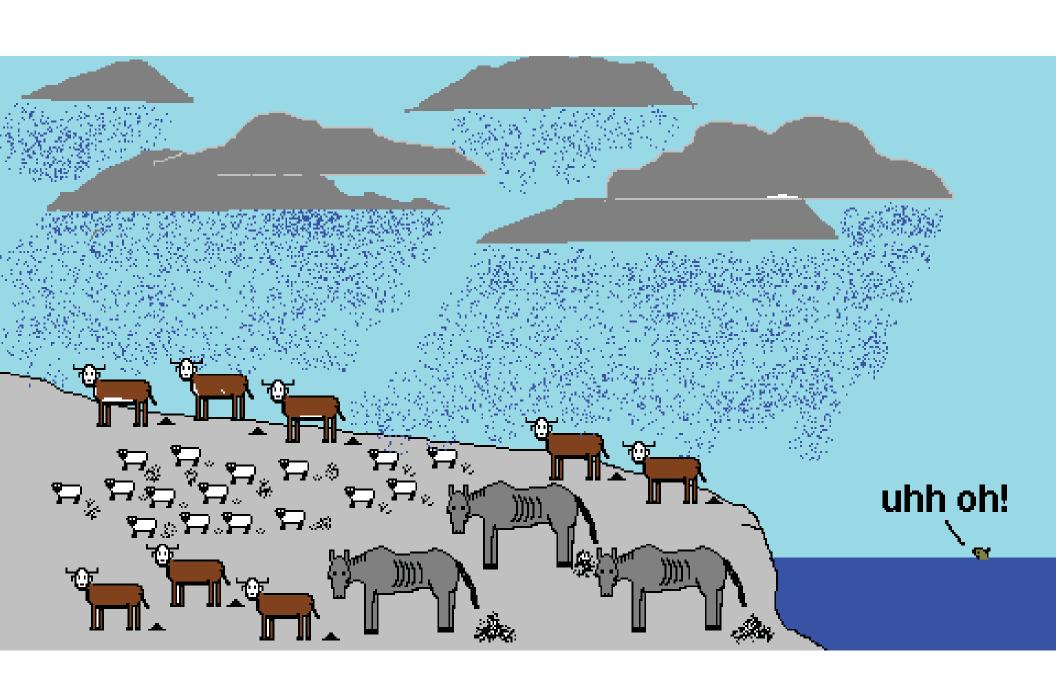


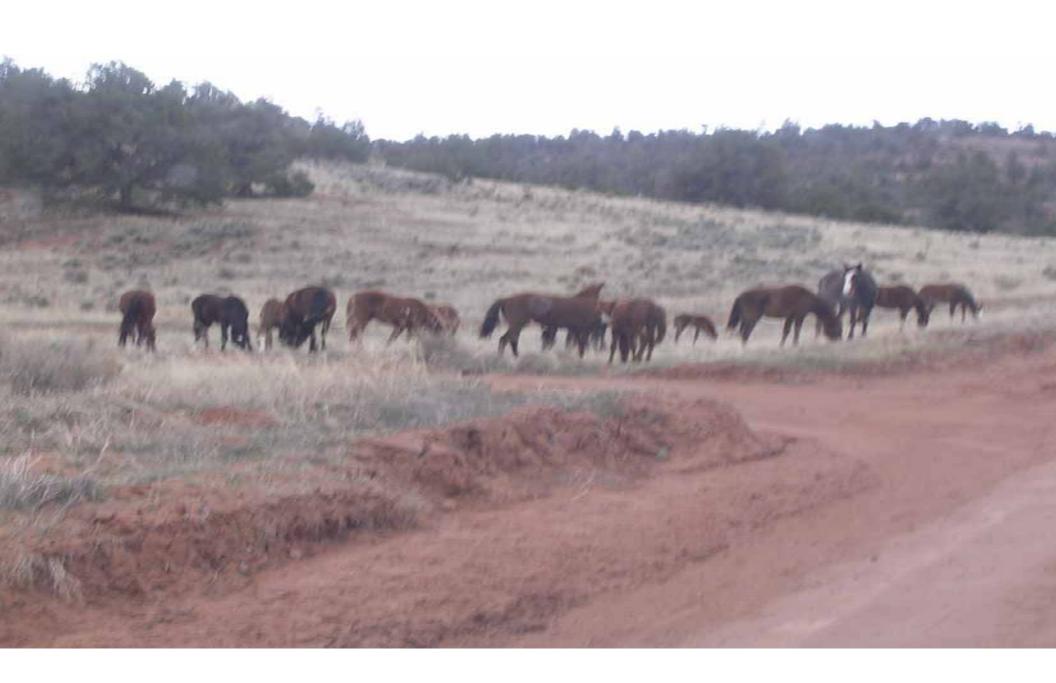






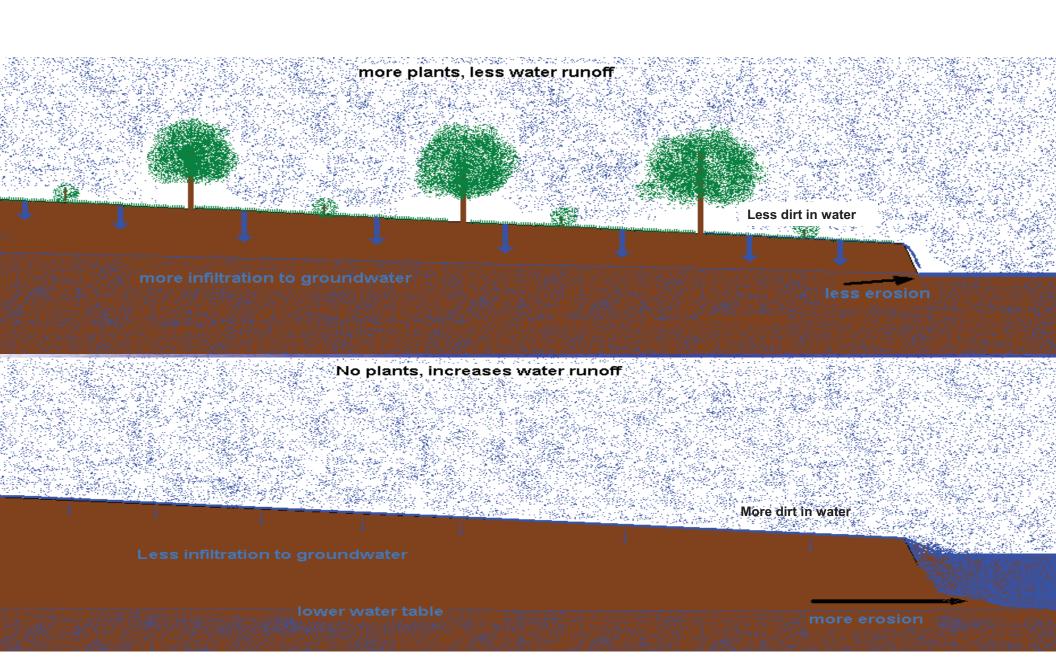




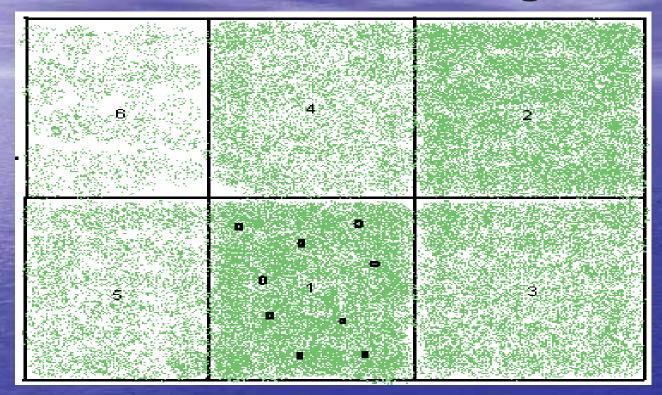








Rotation Grazing

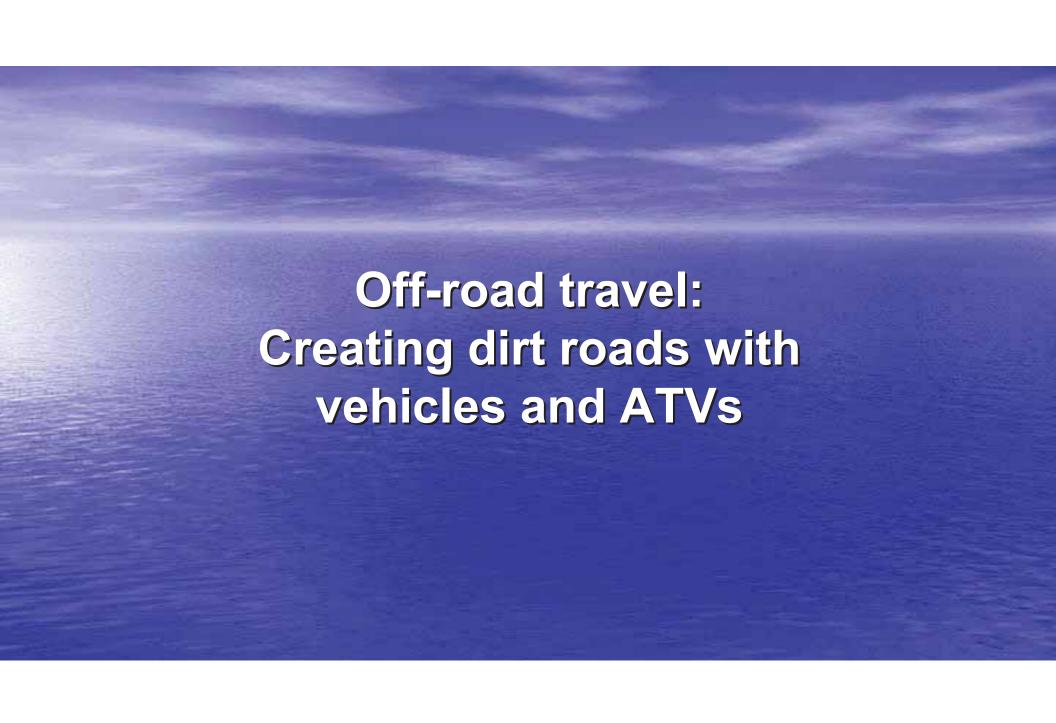


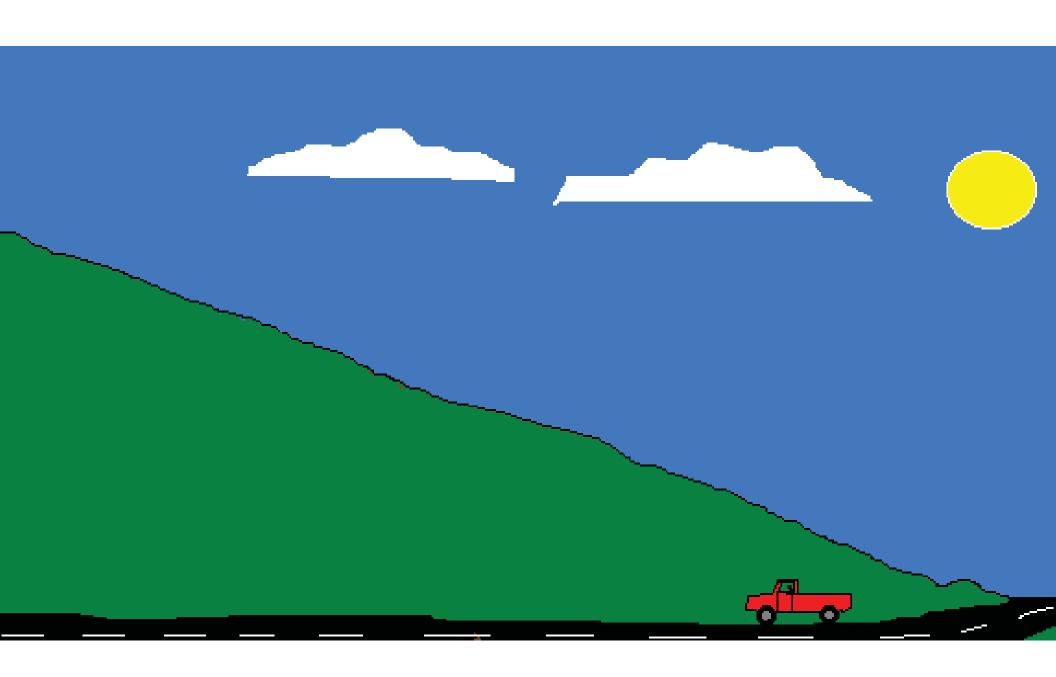
Allows grazed cell time to get some growth or even regeneration.

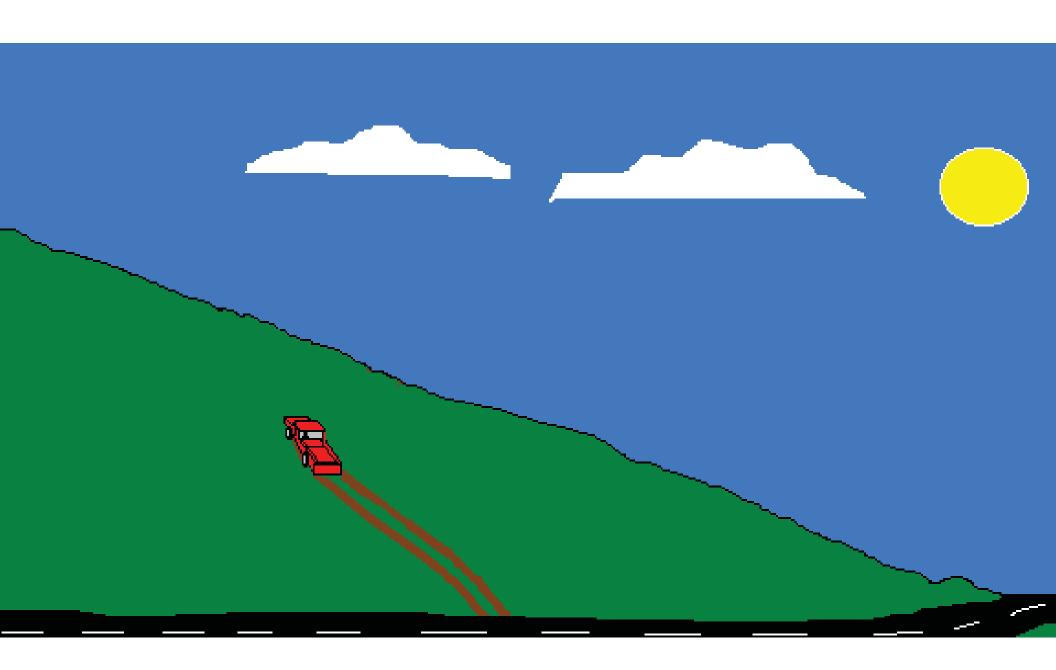


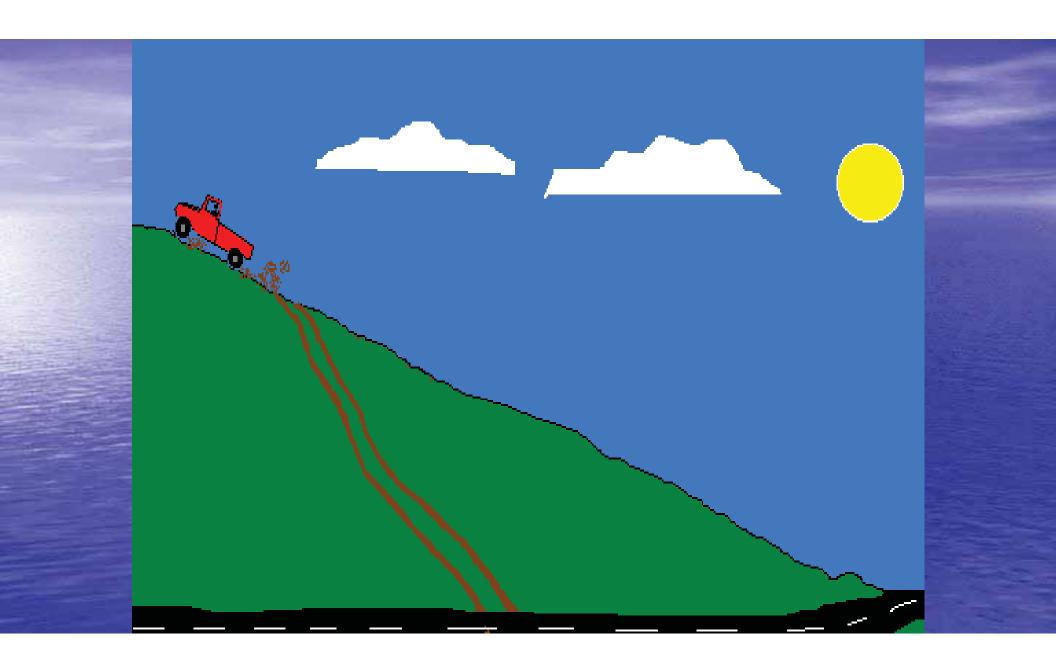


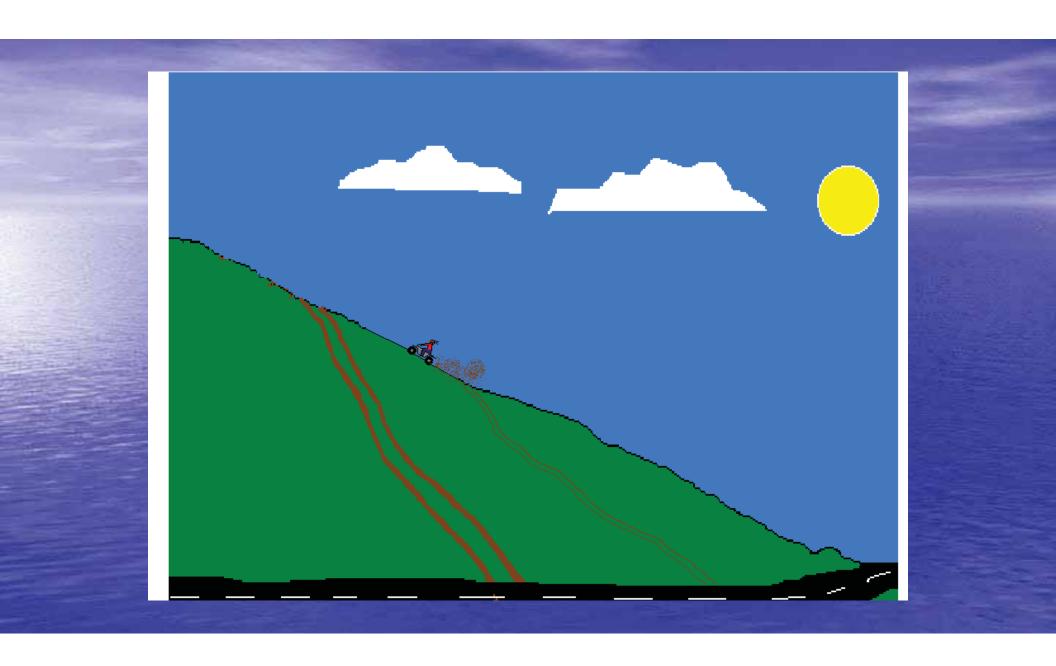


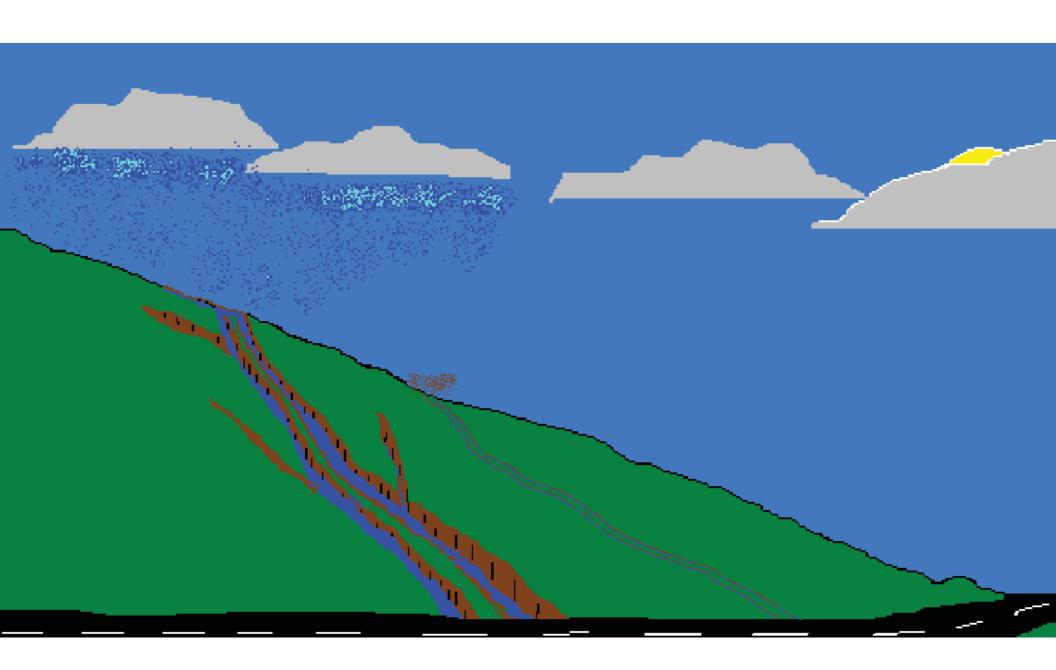




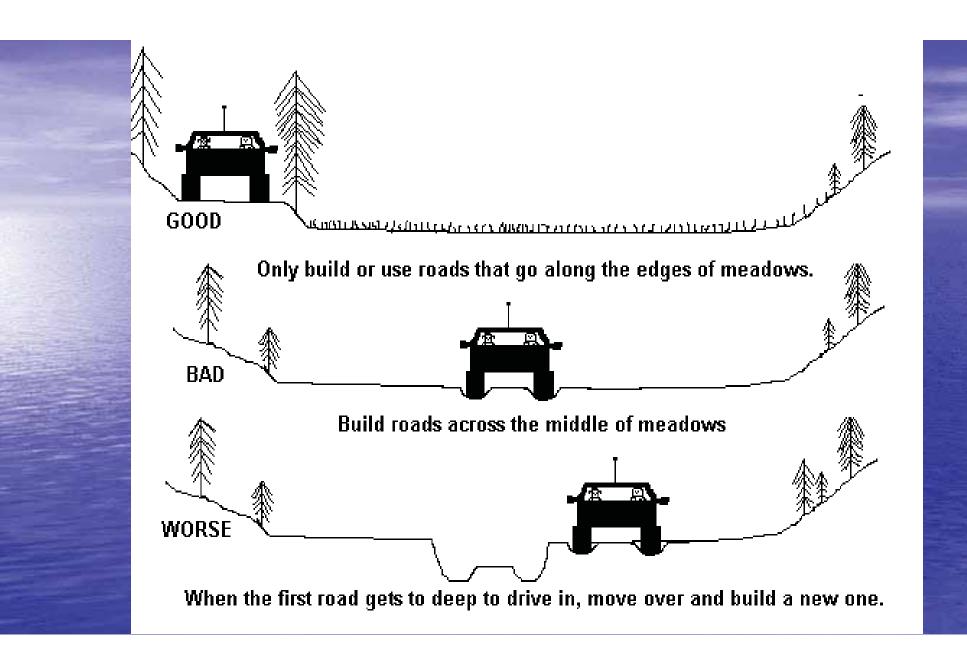


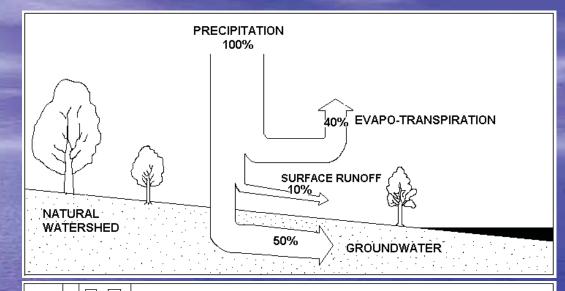


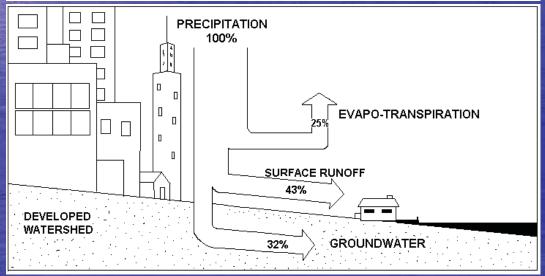






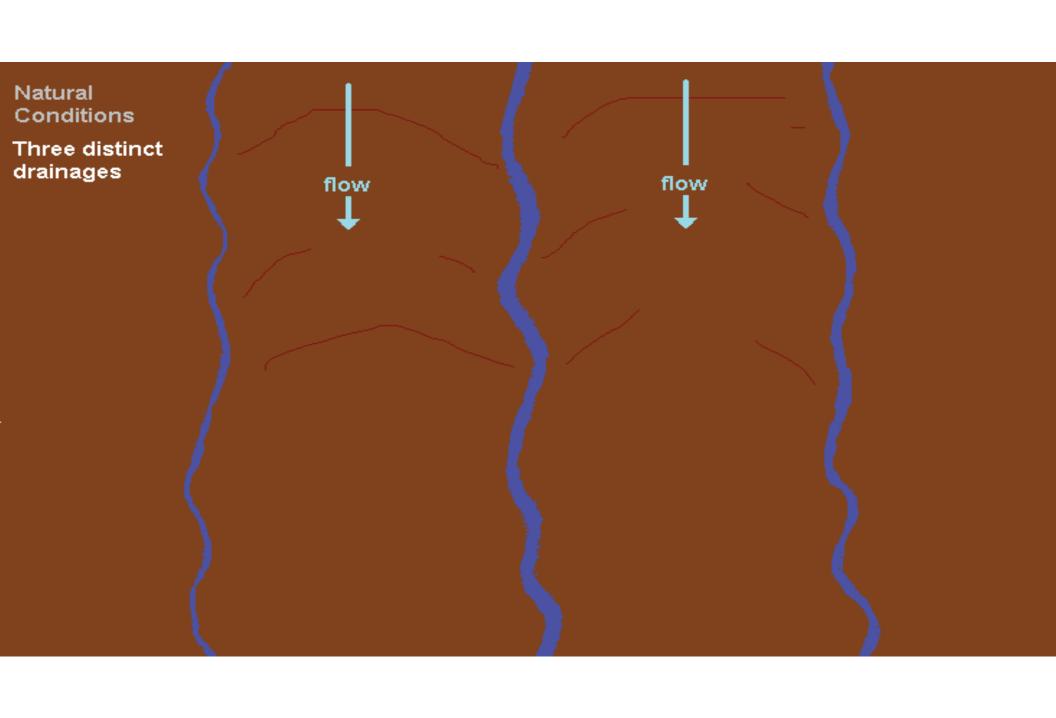


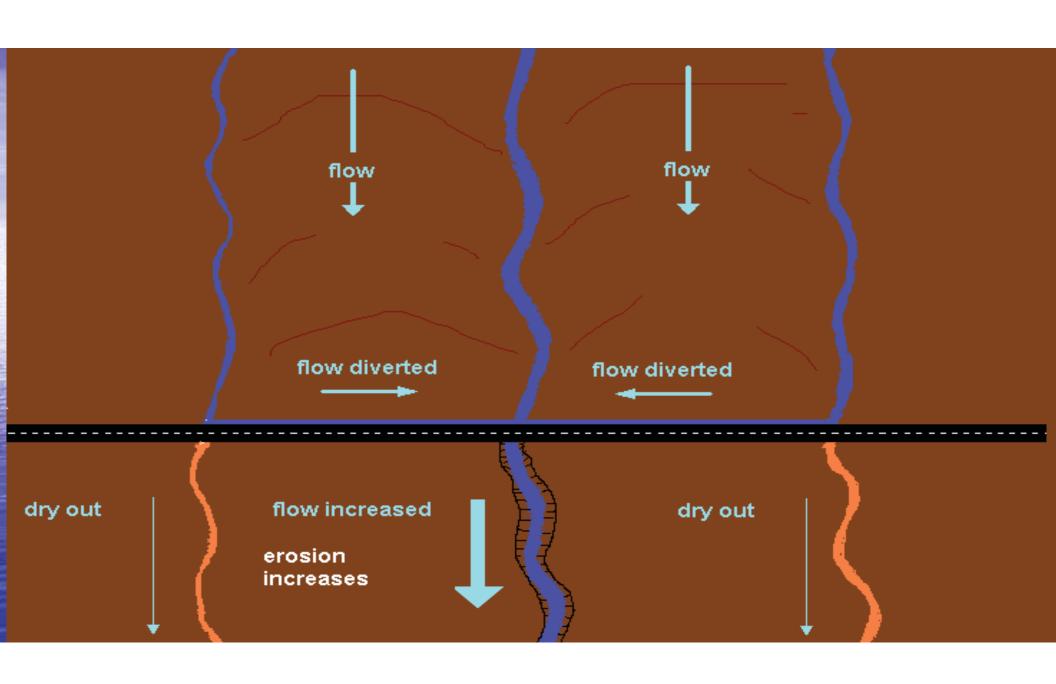




L.B. LEOPOLD, USGS Circular 554, 1968, cited in NYSDEC, 1992 Taken from USEPA 841-S-95-002 Sept 95



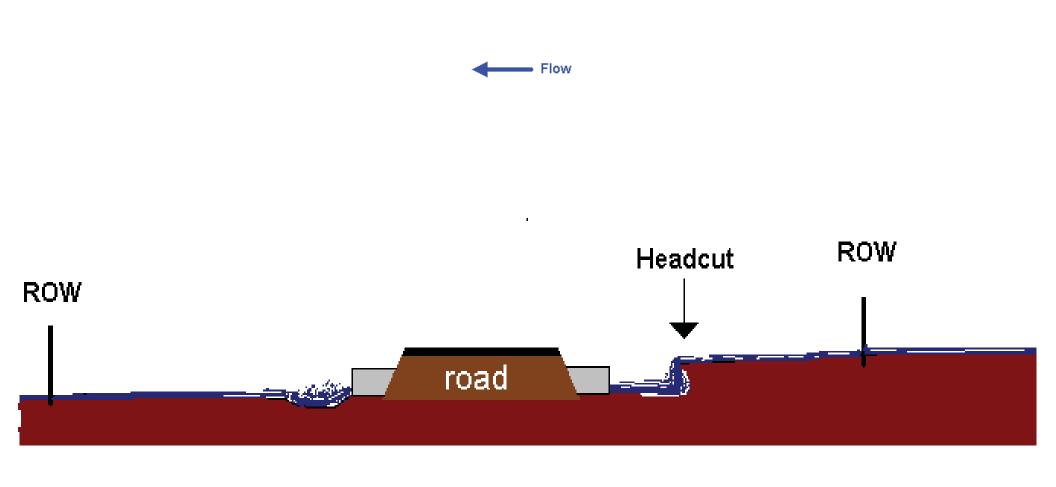




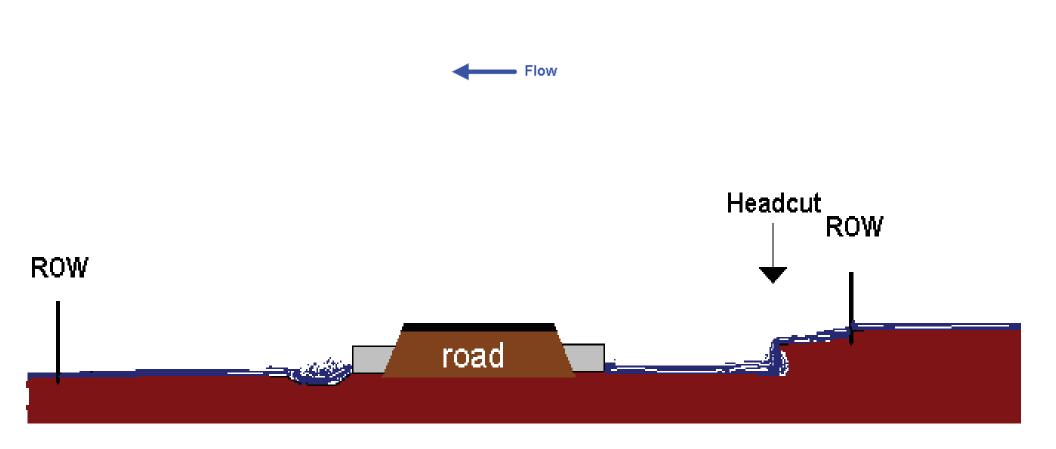


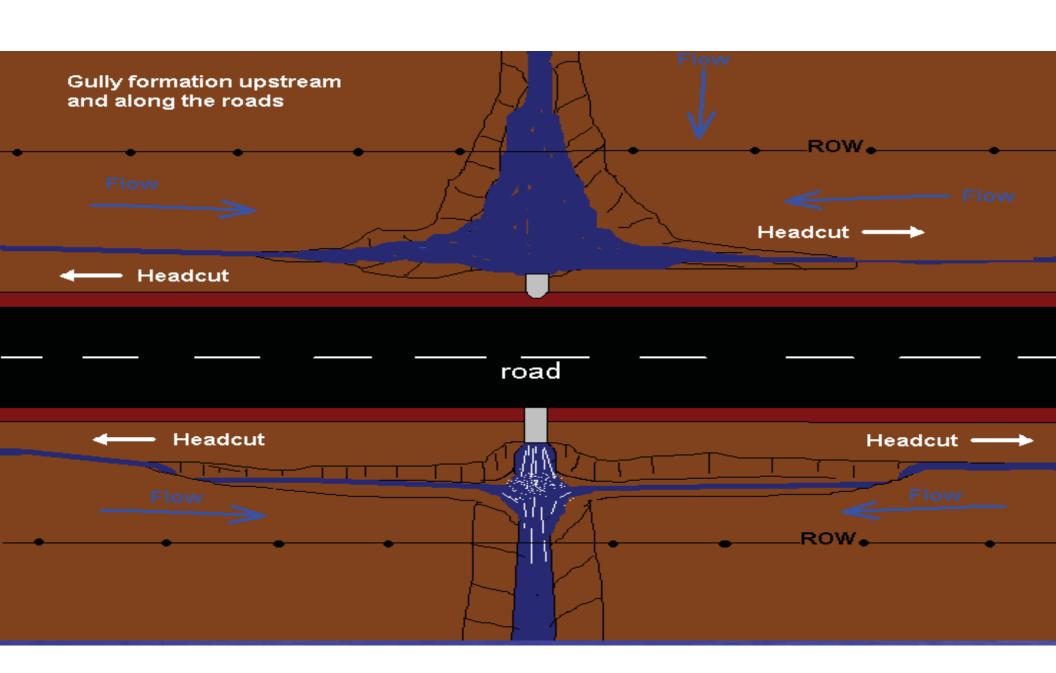


Gully formation from improper culvert elevation



Gully formation from improper culvert elevation





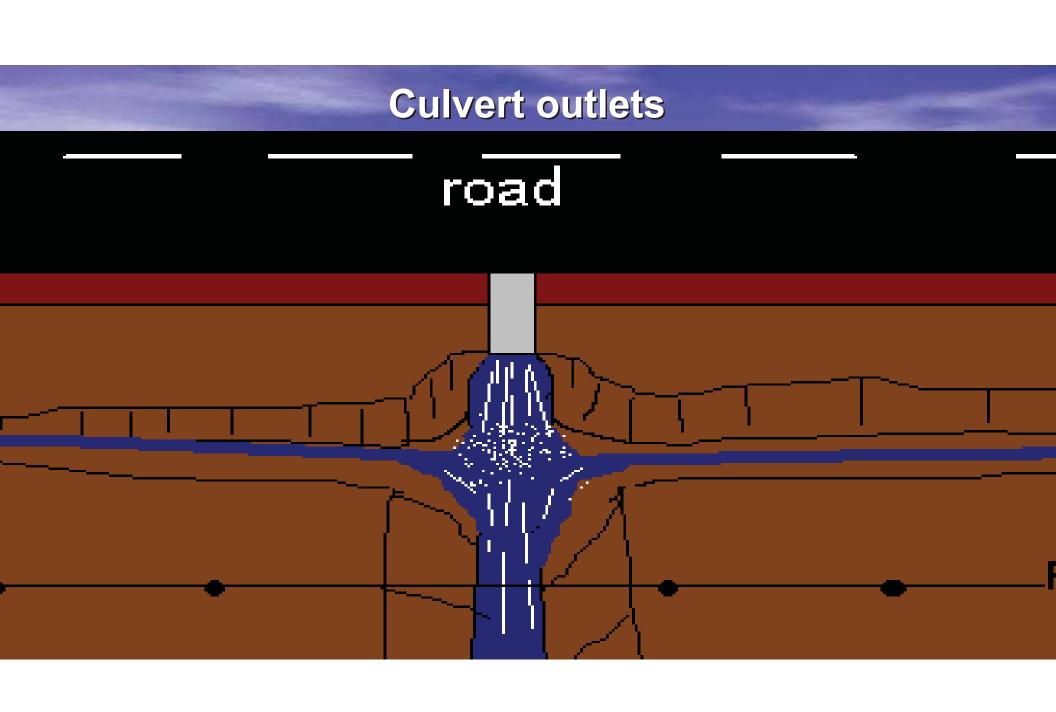




















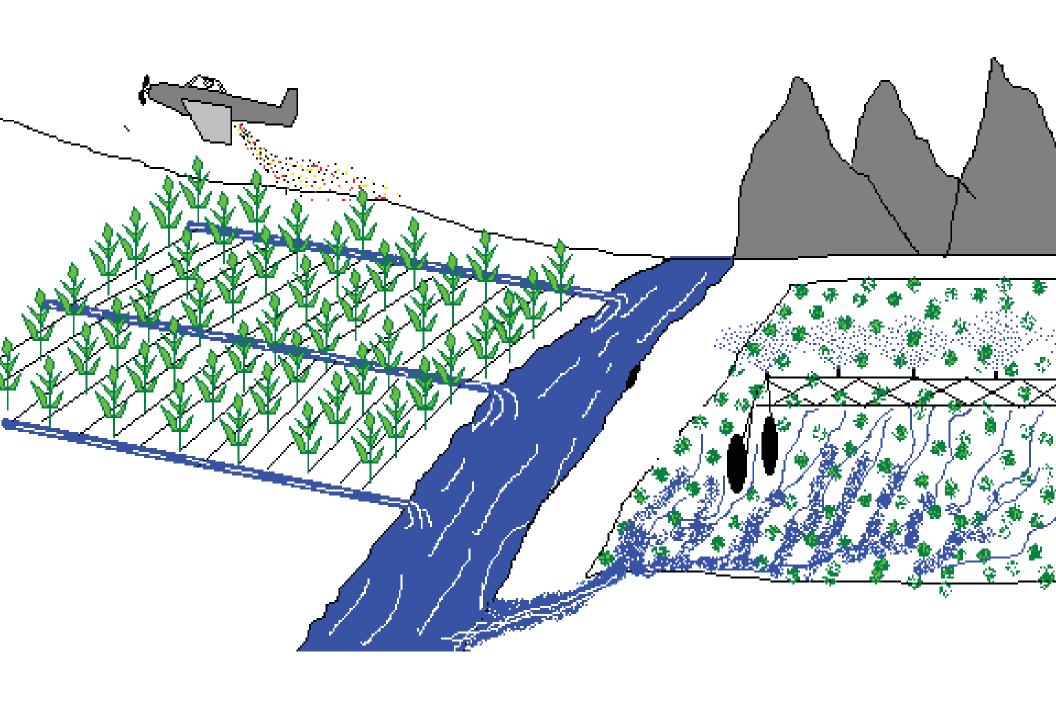


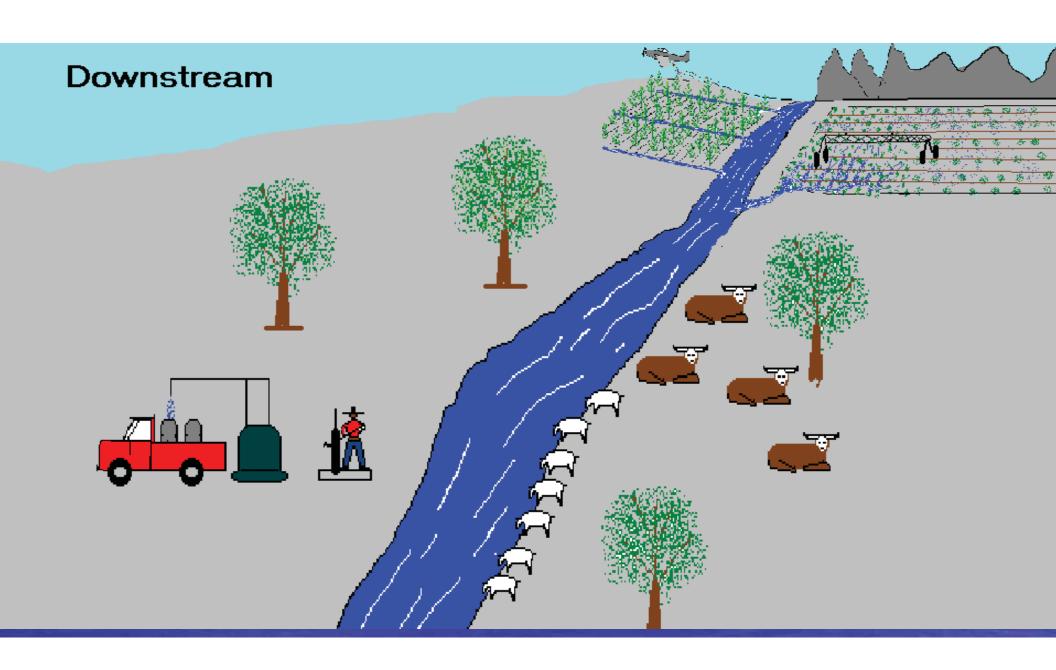


Irrigated agriculture

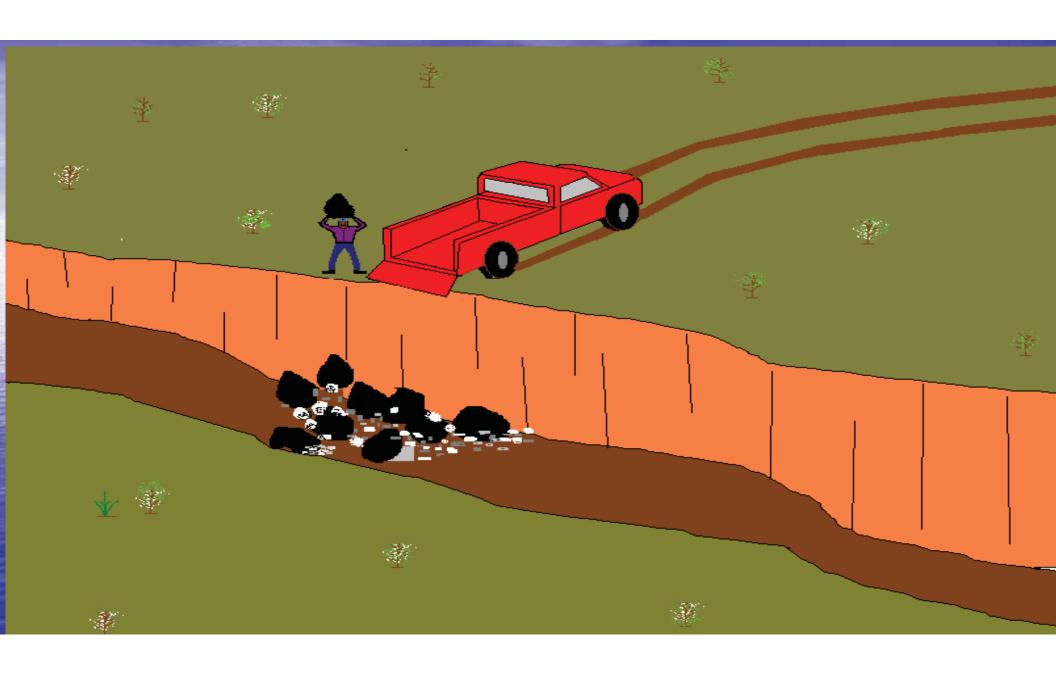
Fertilizer runoff Soil erosion Herbicides Pesticides

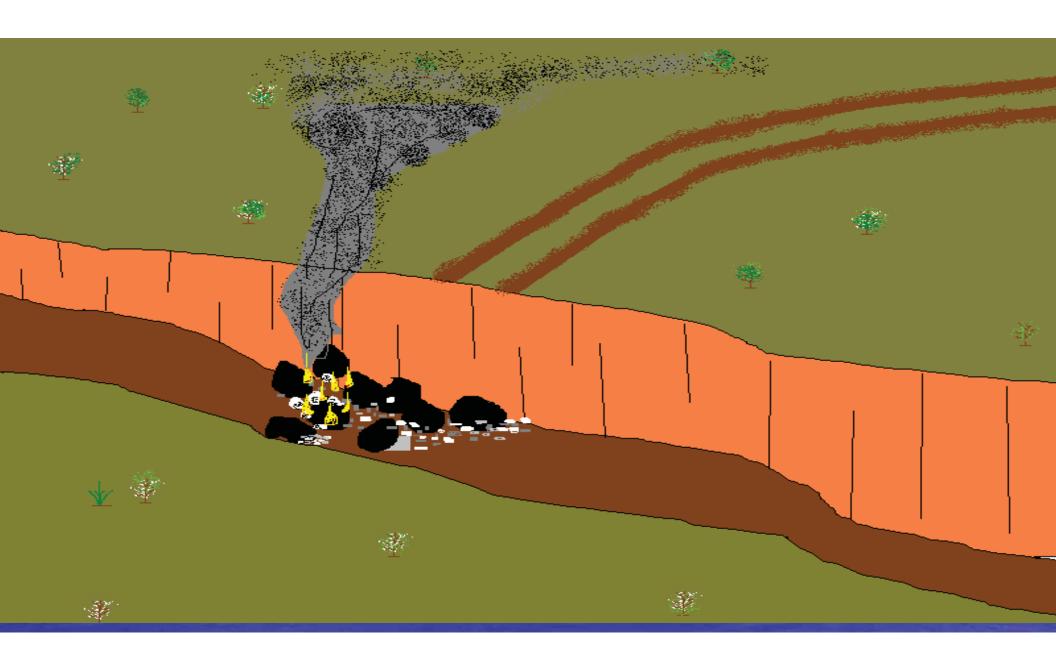


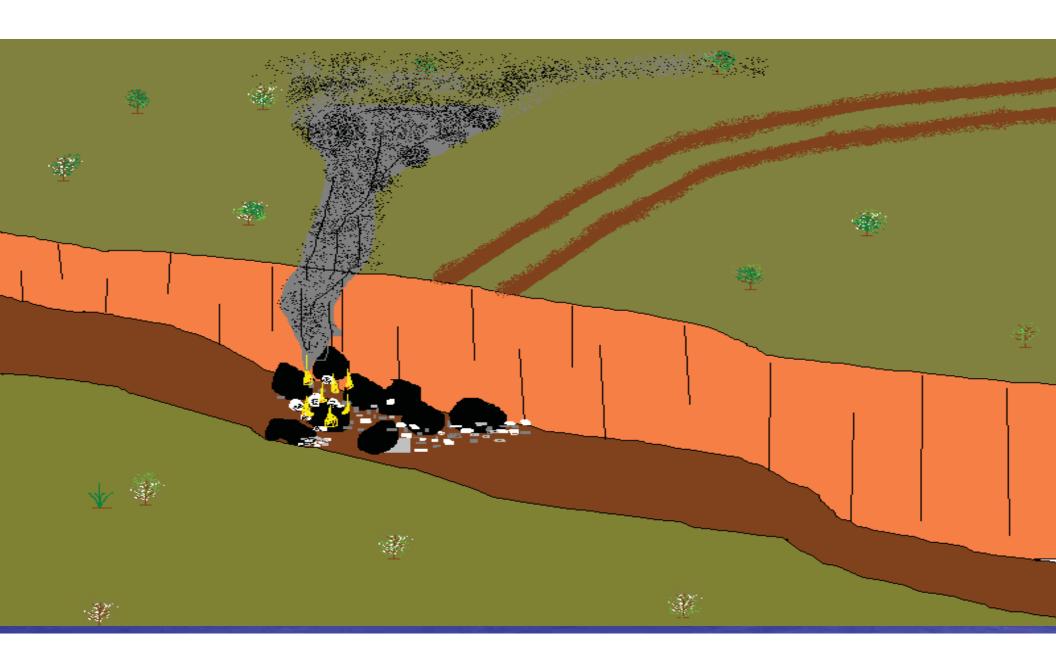


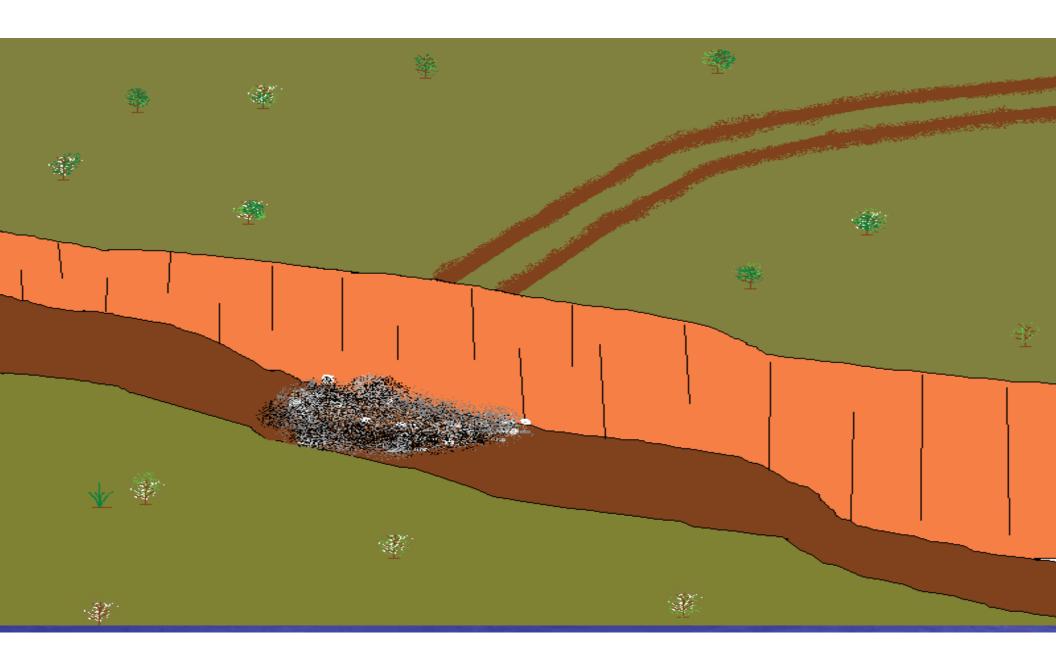


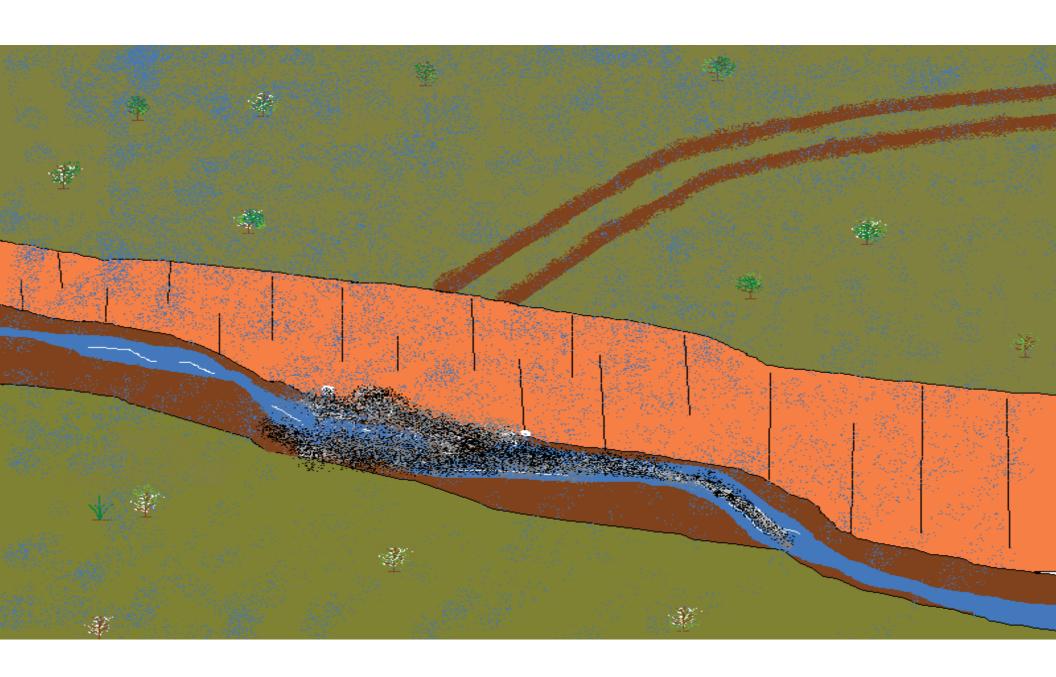


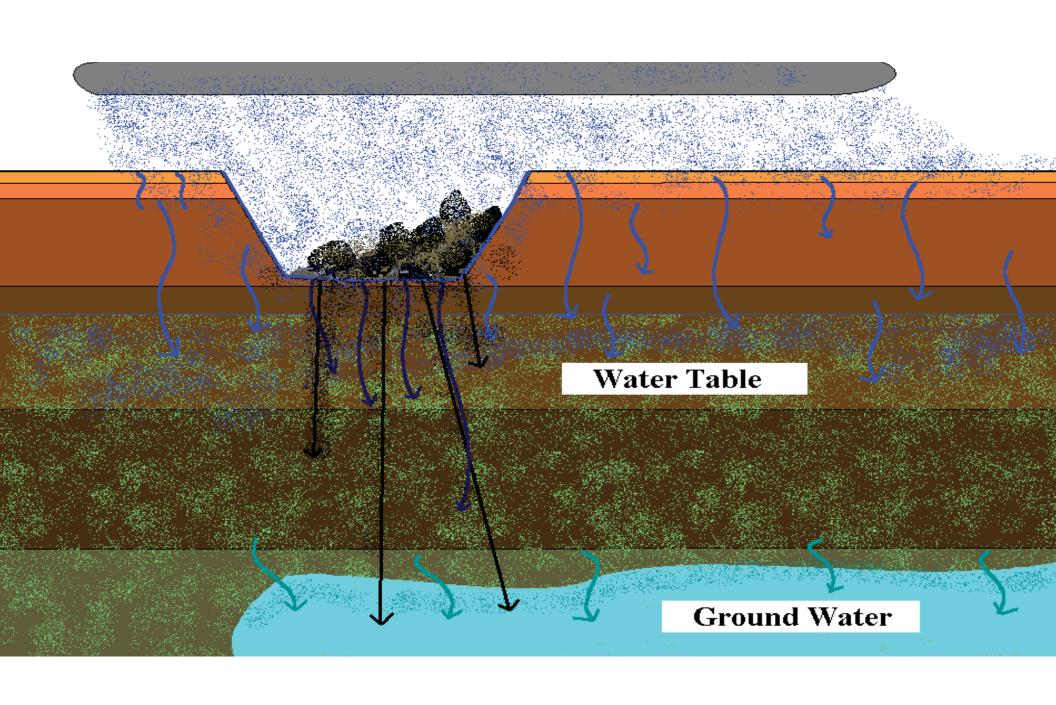


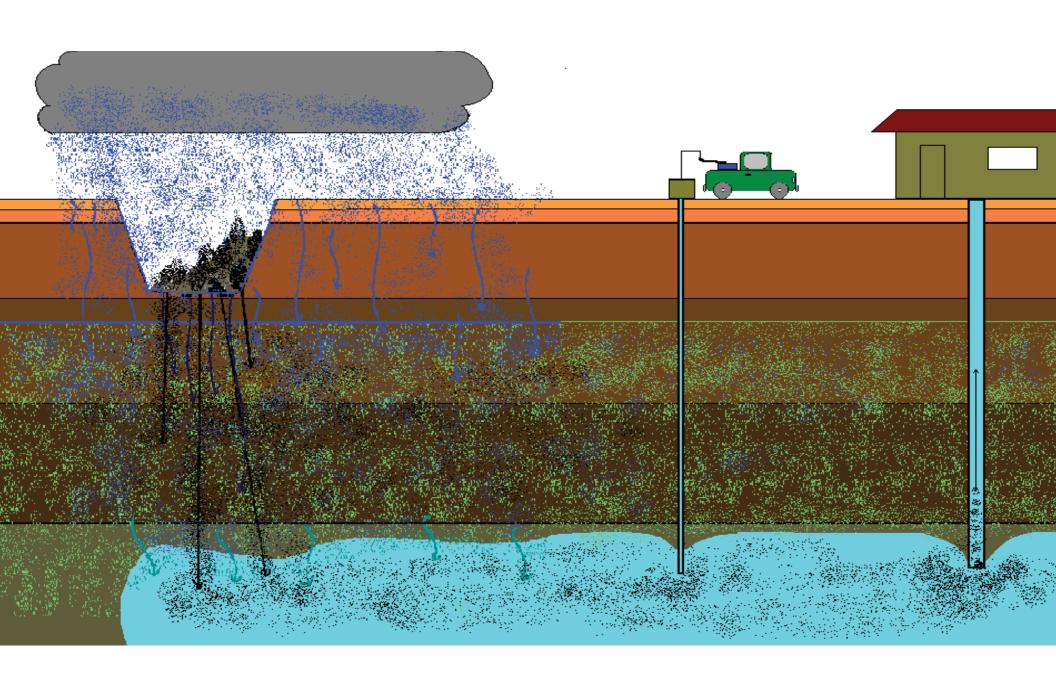










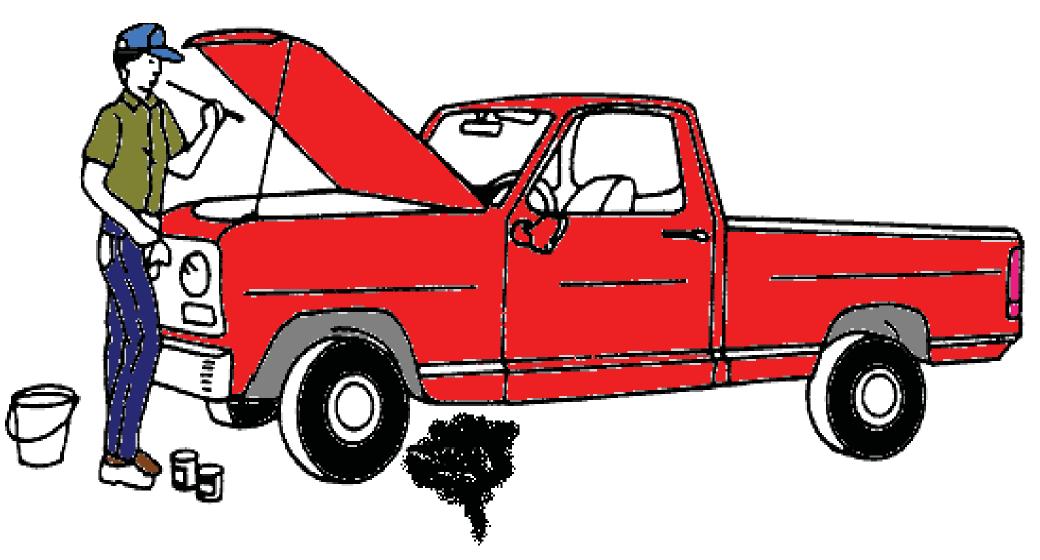








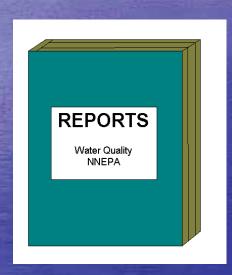




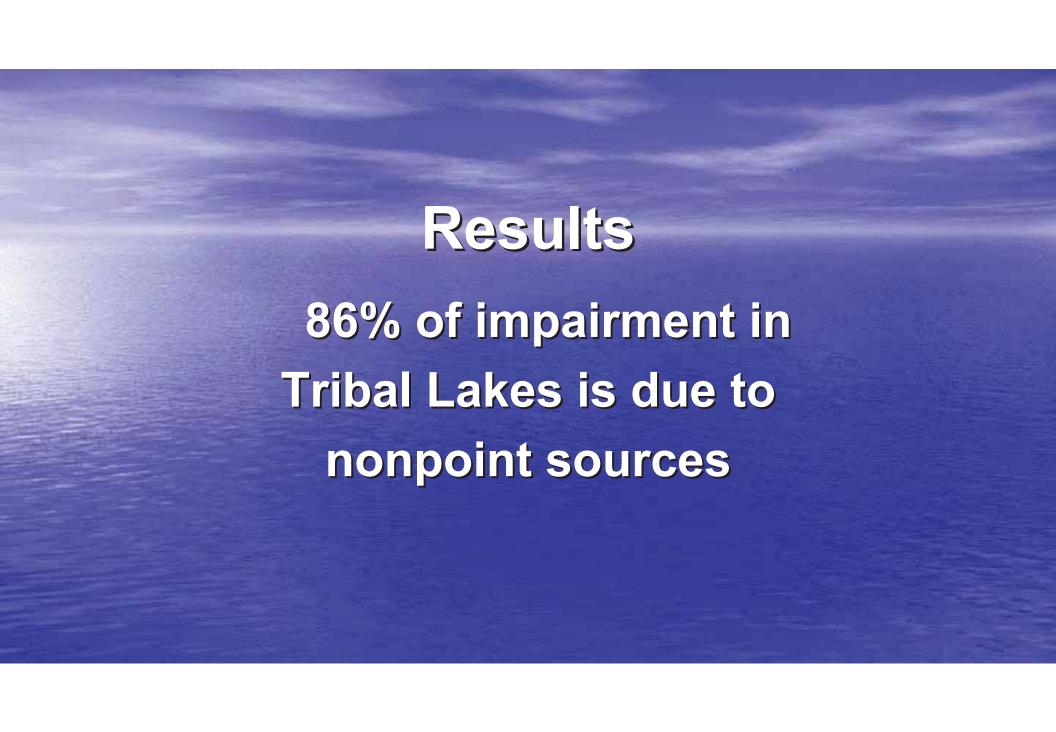
1 gallon of oil will contaminate 1 million gallons of water





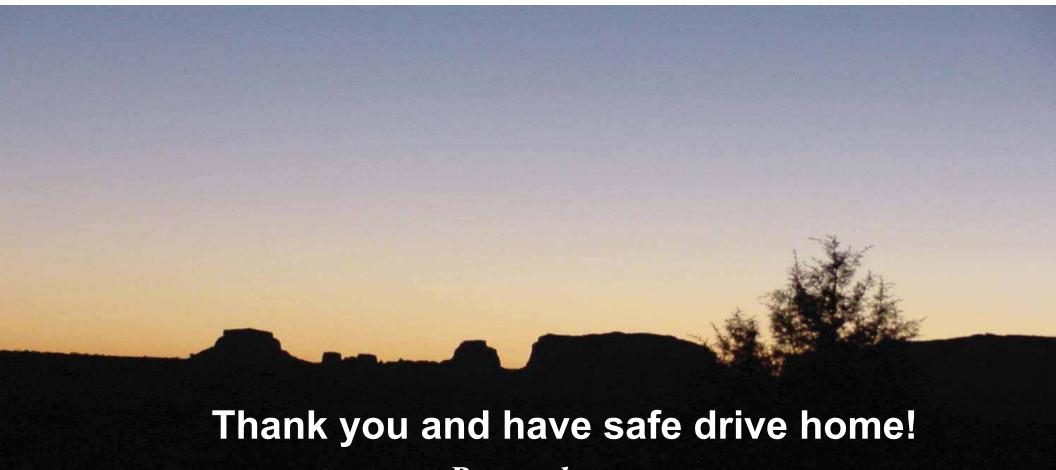


- Water Quality Assessment
- Non-point Source Assessment and Management Plan
- Clean Water Action Plan Unified Watershed Assessment and Restoration Strategy

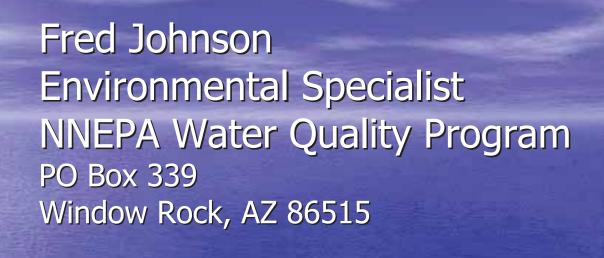








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