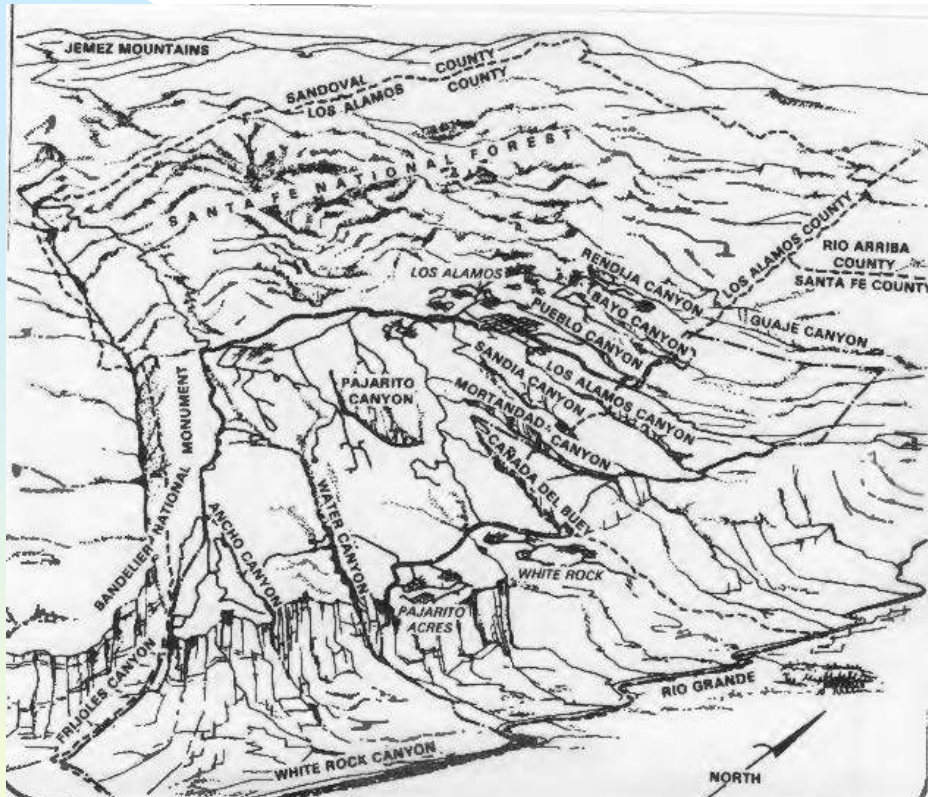


# Los Alamos National Lab, New Mexico

## Interactions of Biological and Physical Mechanics



Plutonium waste buried underground



Plant growth/Pu uptake/death



Deposit radionuclides on soil surface



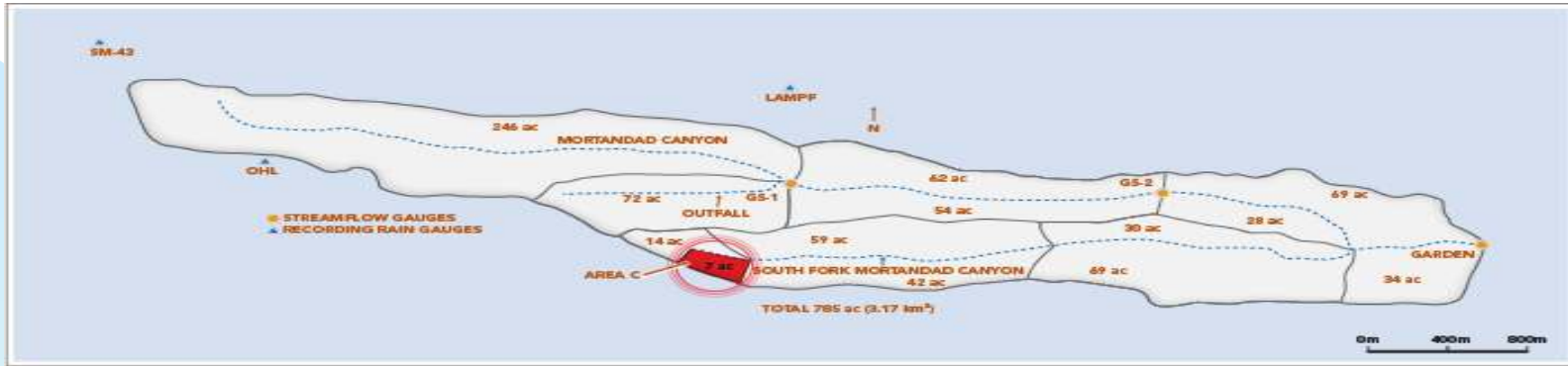
Transported by rain water to canyons



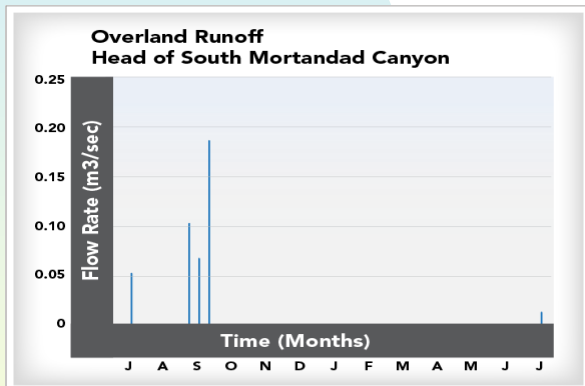
Rio Grande



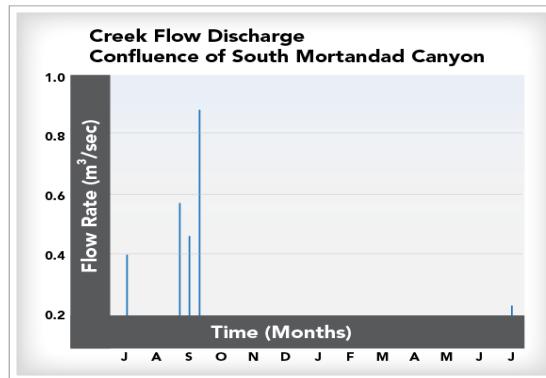
# Plutonium Migration in South Mortandad Canyon (Prediction with Yasuo Onishi's TODAM Code)



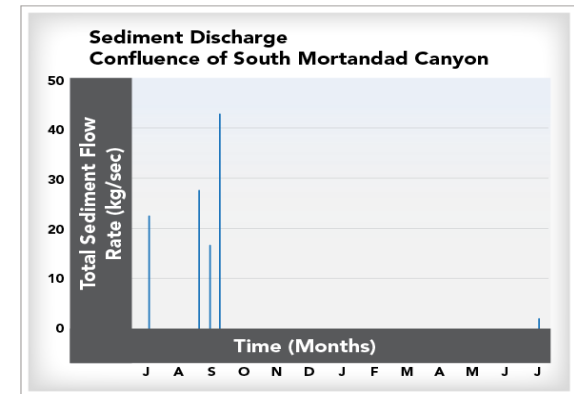
**Surface Runoff**



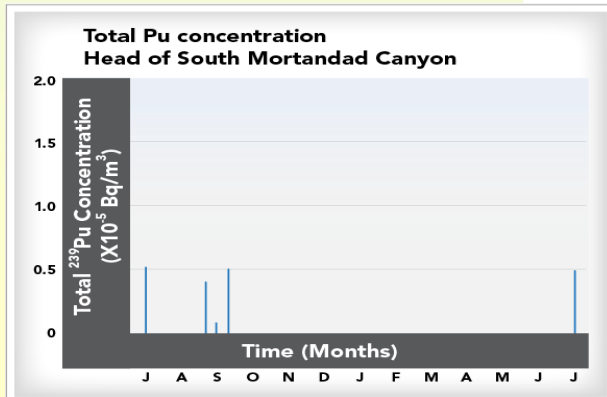
**Stream water discharge**



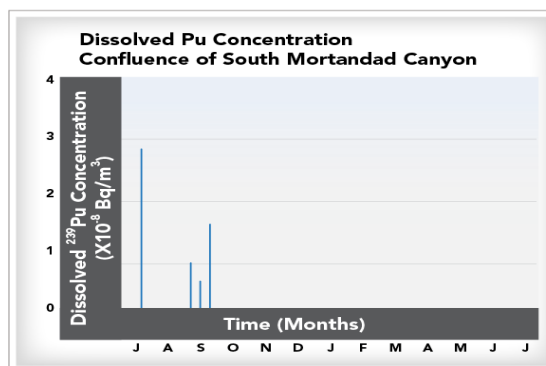
**Stream Sediment Discharge**



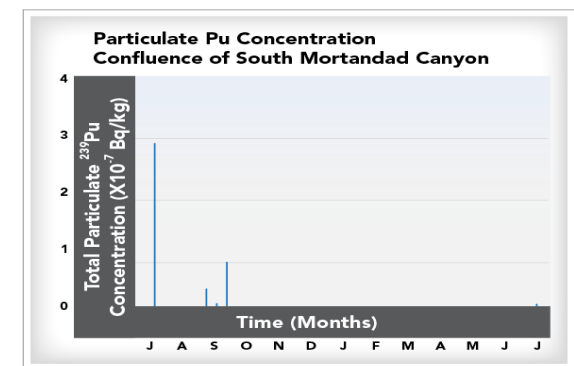
**Total Pu (Sum of Dissolved and sorbed)**



**Dissolved Pu**



**Sediment Sorbed Pu**



# Plutonium and Sediment Erosion/Deposition Results with TODAM Code

## Sediment Deposition in Mortandad Canyon Bottom

## Pu accumulation in South Mortandad Canyon Bottom

