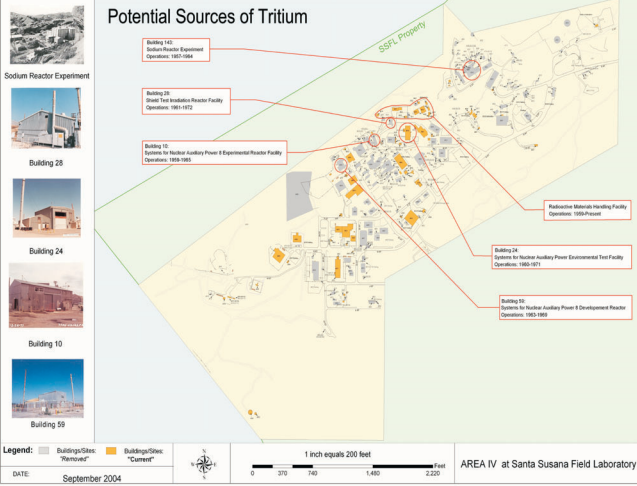
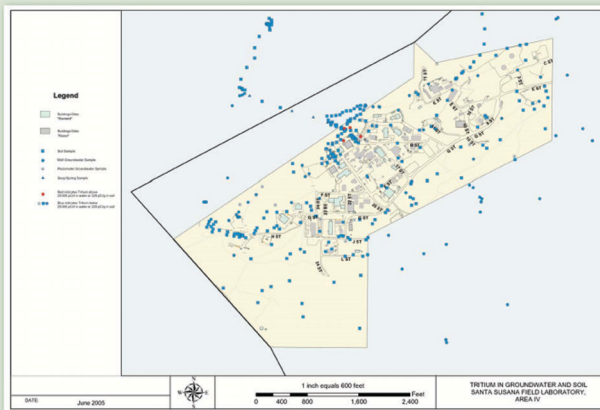


Tritium Investigation Continues

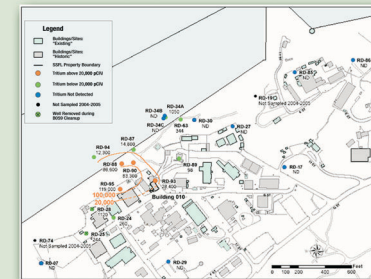
Potential Sources of Tritium



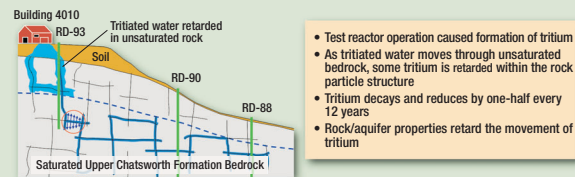
Where Have We Tested For Tritium?



Tritium in Groundwater



How We Think Tritium Moves in Groundwater



What Is the Likely Source of Tritium?

We believe Building 10 is the likely source of the tritium.

What Happened at Building 10?

- Constructed in 1959. Featured three subsurface vaults extending at least 14 feet below grade
- A prototype space nuclear reactor was tested in one of the vaults until 1960 and again from 1963 to 1965
- A nuclear reactor produces energetic particles called neutrons
- Tritium is a hydrogen atom with two extra neutrons
- Tritium was found in the concrete vault
- Found highest concentrations to date in the bedrock samples near building 10
- Building 10 was decontaminated and demolished in 1978

What We Have Sampled:

- Water from soil samples
- Water from rock samples
- Water from ground water wells

Tritium Investigation Update



Next Steps . . .

- Continue monitoring groundwater wells
- Analyze additional rock core samples
- Install new groundwater wells to further define vertical and horizontal extent of tritium in groundwater