



Hanford 200 Areas

200 Area Risk Framework (July 2002)

Industrial Scenario

Core Zone

(Including main B Pond and S Ponds)

- Will have an industrial scenario for the foreseeable future



Industrial



Research

Other Scenarios Consistent with Industrial Uses

Core Zone - Will be remediated and closed allowing for "Other Uses" consistent with an industrial scenario such as environmental industries

- Maintains active human presence
- Maintains institutional knowledge of waste for future generations

An assumption of industrial land use will be used to set cleanup levels

Exposure Scenarios

- Maximum exposure to worker/day user
- Intruders
- Native American Users



Cultural Resources

Groundwater

DOE will follow the required regulatory processes for ground water remediation (Including public participation) to establish points of compliance and remedial action objectives.

Core Zone - Up to 150 years

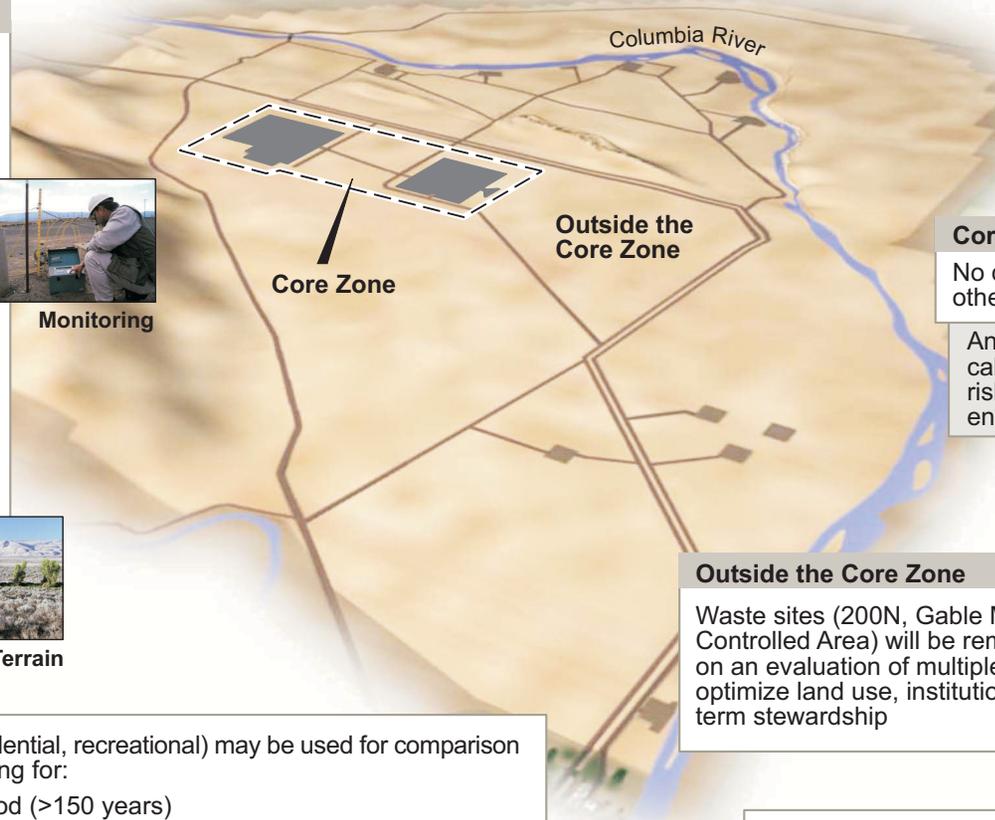
It is anticipated that groundwater contamination under the core zone will preclude beneficial use for the foreseeable future, which is at least the period of waste management and institutional controls



Monitoring

Outside the Core Zone - Up to 150 to 300 years

It is assumed that the tritium and iodine-129 plumes beyond the core zone boundary will exceed the drinking water standards (less for the tritium plume)*. It is expected that other groundwater contaminants will remain below, or be restored to drinking water levels outside the core zone



Ground Drilling



Core Zone

No drilling for water use or otherwise will be allowed

An intruder scenario will be calculated for assessing the risk to human health and the environment

Outside the Core Zone

Waste sites (200N, Gable Mountain Pond, B/C Crib Controlled Area) will be remediated and closed based on an evaluation of multiple land use scenarios to optimize land use, institutional control cost and long term stewardship

Recreational Uses; Hiking, biking and more...



Wildlife Viewing



Natural Terrain

Other land use scenarios (e.g., residential, recreational) may be used for comparison purposes to support decision making for:

- The post institutional control period (>150 years)
- Sites near the core zone perimeter to analyze opportunities to "Shrink the Site"
- Early (precedent setting) closure/remediation activities

This framework does not deal with the tank retrieval decision

* This assumption is based on current state of the art treatment techniques and may change as the regulatory processes progress and new techniques are developed