



# Columbia River Corridor

May 2009



The Columbia River Corridor projects selected for Recovery Act funding include demolishing facilities, remediating waste sites, and containing and treating contamination in groundwater.

The projects support completing cleanup along the Columbia River and shrinking the active area of cleanup to the center of the Hanford Site (the Central Plateau) by 2015.



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safety ❖ performance ❖ cleanup ❖ closure

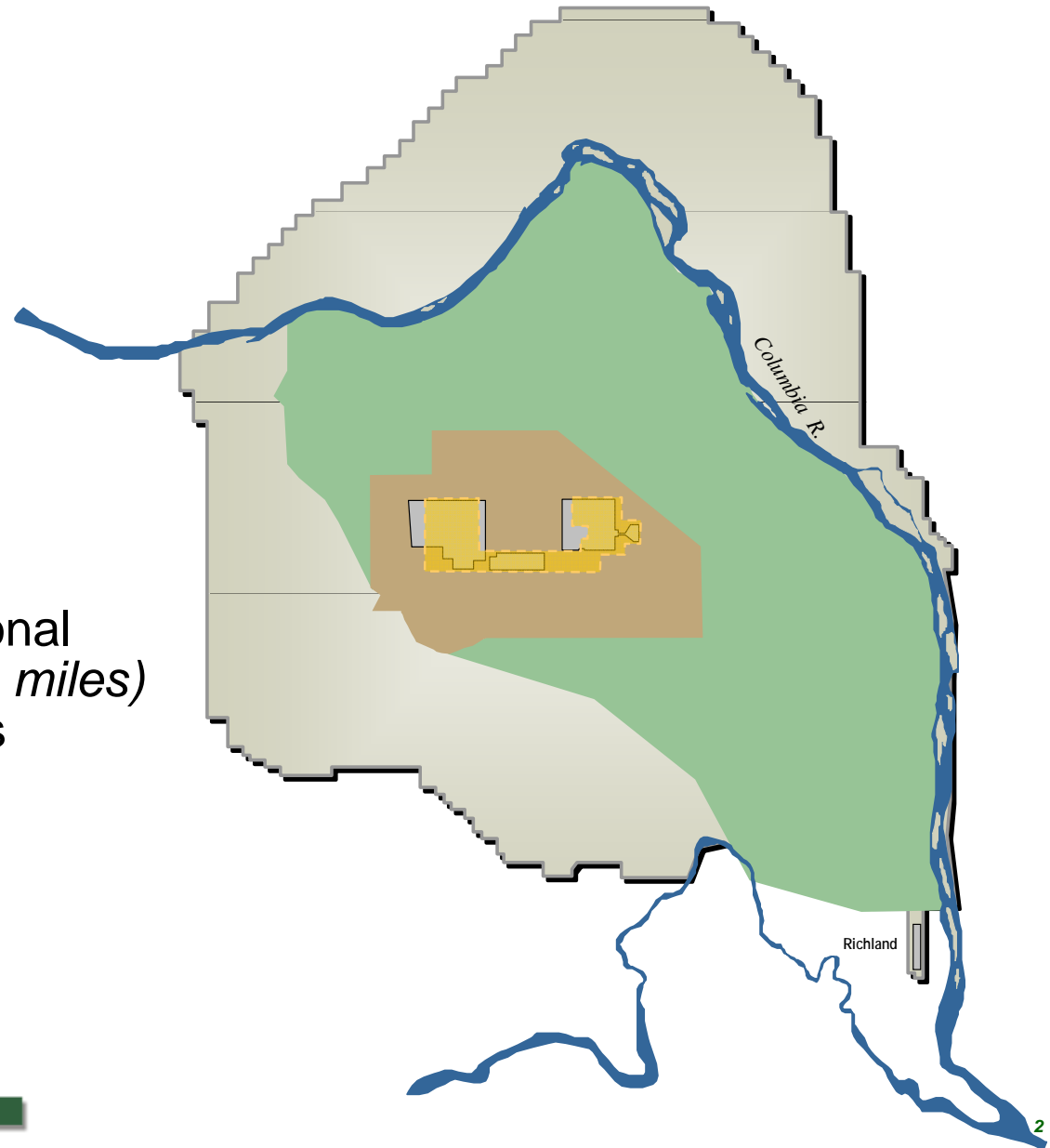


# Shrinking the Footprint of Active Site Cleanup

May 2009

*Work in four areas*

-  River Corridor  
(~210 sq. miles)
-  Central Plateau,  
Outer Zone  
(~65 sq. miles)
-  Central Plateau,  
Inner Zone  
(~10 sq. miles)
-  Hanford Reach National  
Monument (~300 sq. miles)  
(including Arid Lands  
Ecology Reserve)



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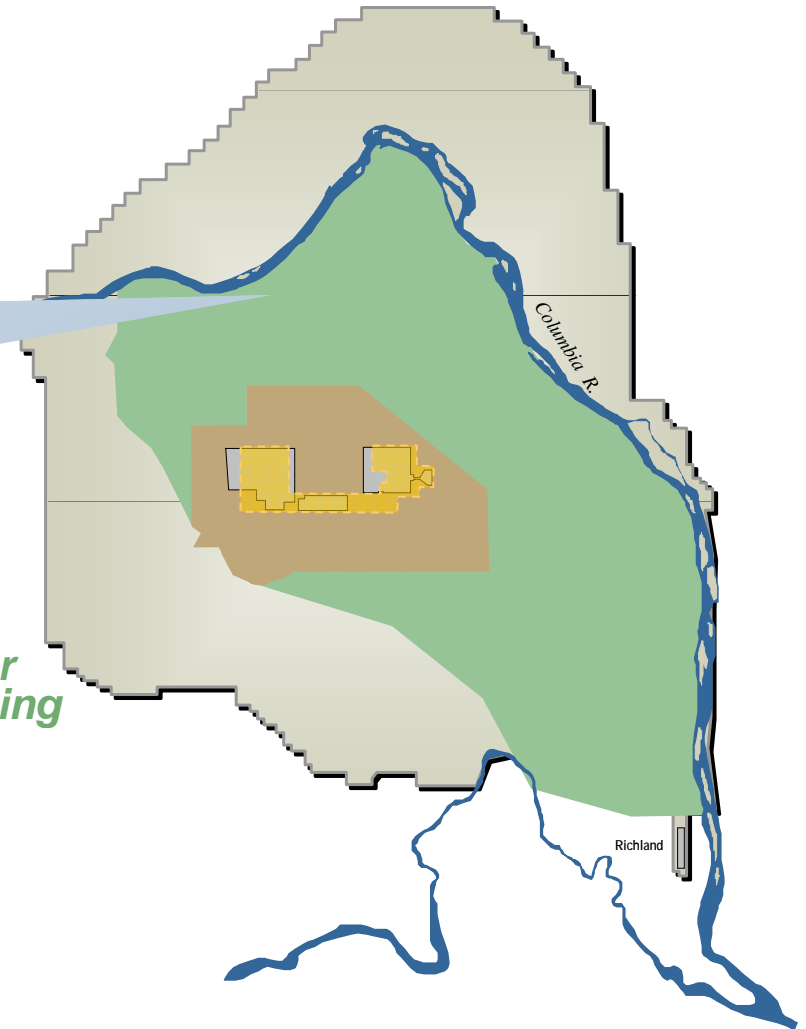
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## River Corridor (~210 sq. mi.)

May 2009

- 100 K Area
  - Demolish excess facilities
  - Remediate waste sites
  - Disposition K East Reactor



*Apportioned ARRA Funding for River Corridor Project Decontamination and Decommissioning (Estimated \$266M out of total \$442M)*



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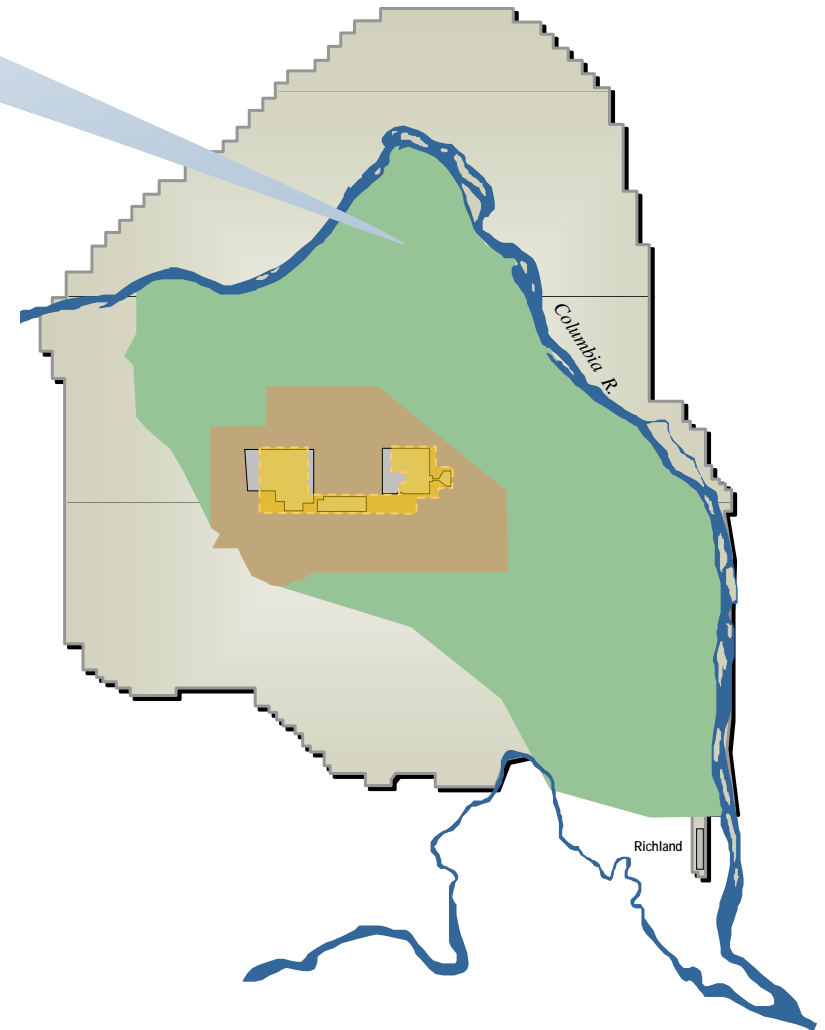


## River Corridor (~210 sq. mi.)

May 2009

- Waste Site Remediation
  - Remediate newly identified waste sites in 100 Areas

*Apportioned ARRA Funding for River Corridor Project Decontamination and Decommissioning (Estimated \$176M out of total \$442M)*



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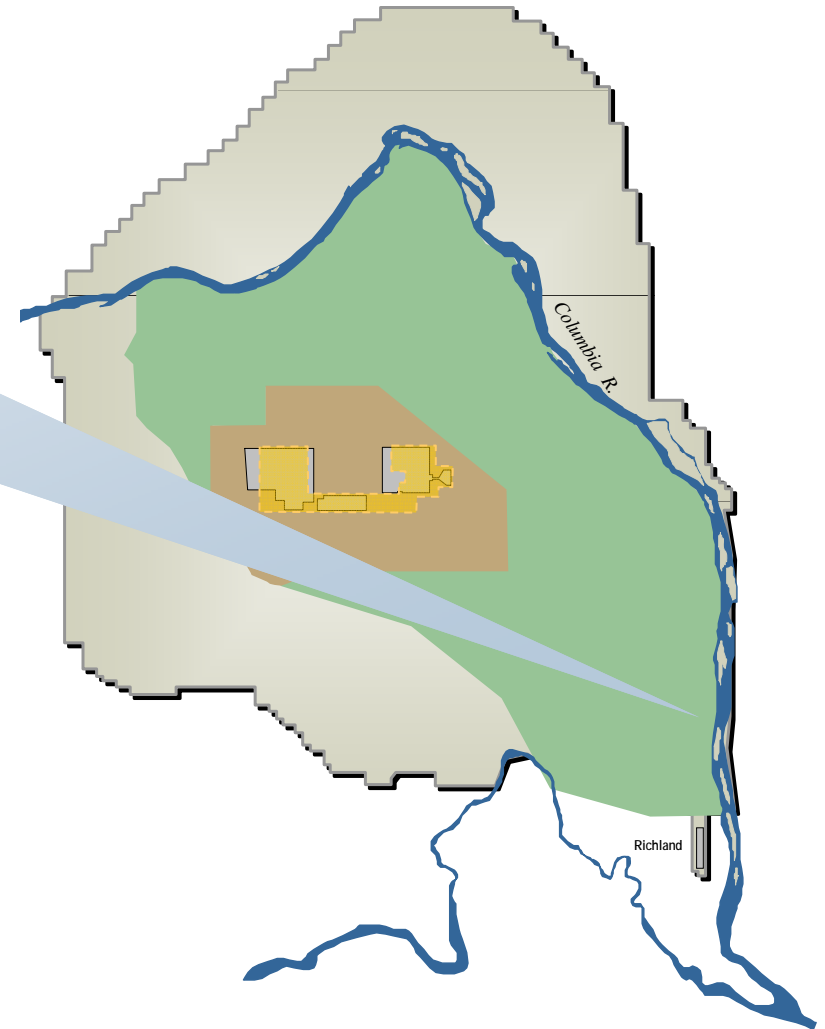


# River Corridor (~210 sq. mi.)

May 2009

- Waste Site Remediation
  - Remediate 618-10 Burial Ground trenches

*Apportioned ARRA Funding for River Corridor Project – Soil Remediation -- \$78M*



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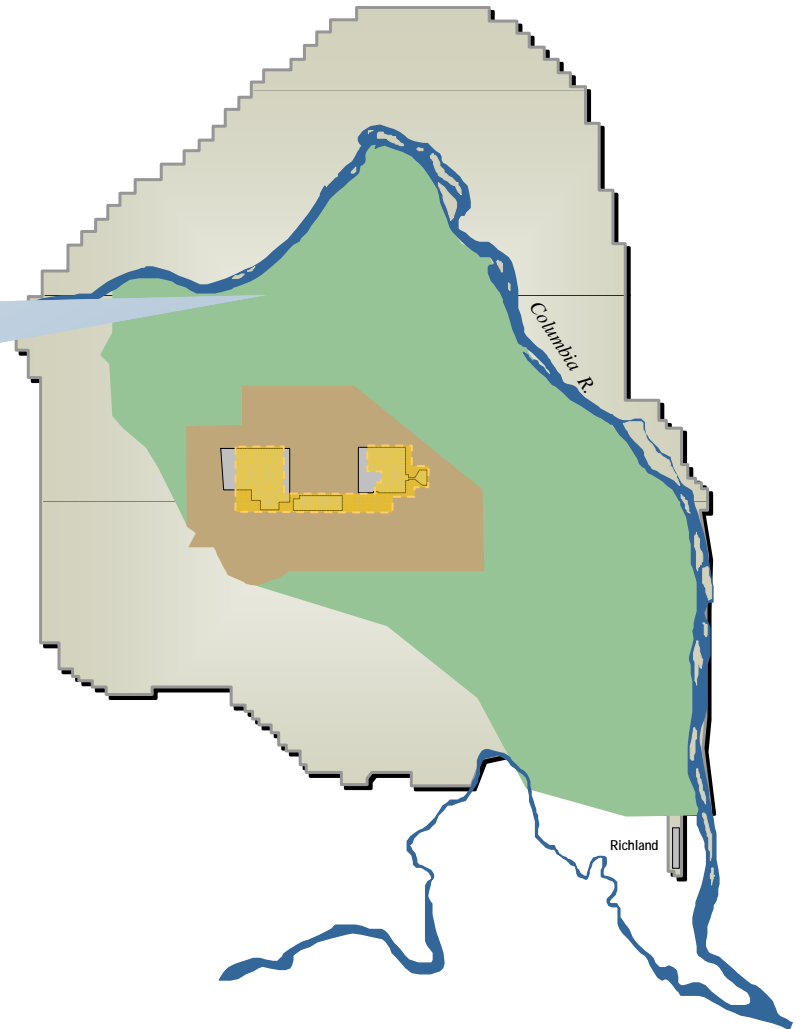
safety ❖ performance ❖ cleanup ❖ closure



## River Corridor (~210 sq. mi.)

May 2009

- Groundwater Remediation
  - 100 K Area (contain/treat chromium)
    - Install additional wells for the new pump & treat system (KR-4)



*Apportioned ARRA Funding for all Groundwater Remediation -- \$146M*



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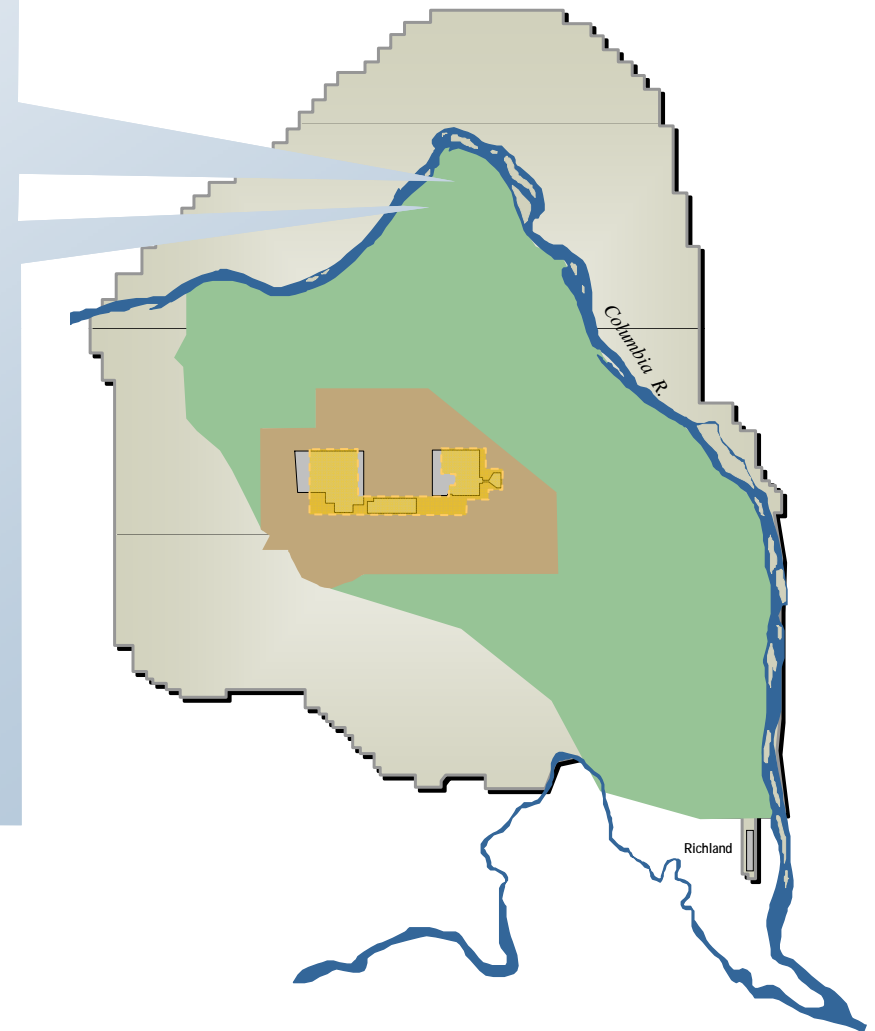
safety ❖ performance ❖ cleanup ❖ closure



## River Corridor (~210 sq. mi.)

May 2009

- Groundwater Remediation
  - 100 D/H Areas (contain/treat chromium)
    - Accelerate construction of pump & treat facility, install additional wells
  - 100 N Area (contain strontium-90)
    - Drill injection, monitoring wells to support apatite barrier expansion to address the strontium-90 plume
    - Conduct field test of treatment methods for strontium-90 above water table



*Apportioned ARRA Funding for all Groundwater Remediation -- \$146M*



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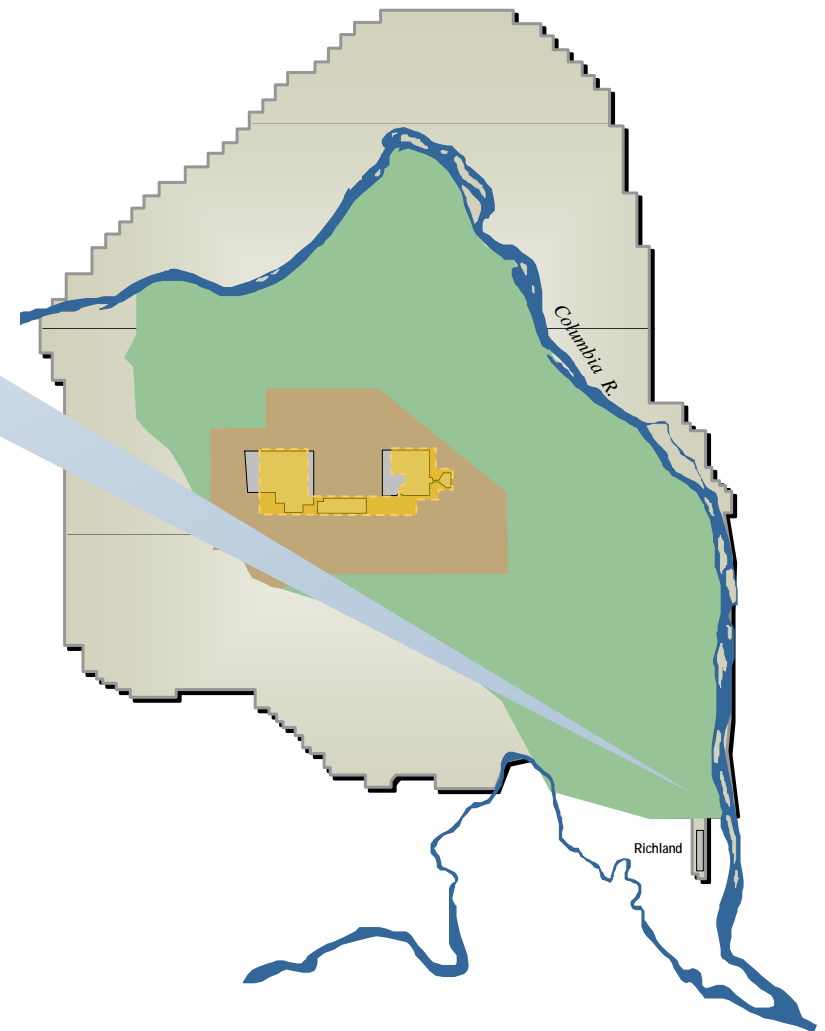


## River Corridor (~210 sq. mi.)

May 2009

- Groundwater Remediation
  - 300 Area (contain uranium)
    - Accelerate drilling of wells to be used for sampling/treatment

*Apportioned ARRA Funding for all Groundwater Remediation -- \$146M*



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