

# Central Plateau Ecological Risk Assessment



HAB River and Plateau Committee

April 11, 2007

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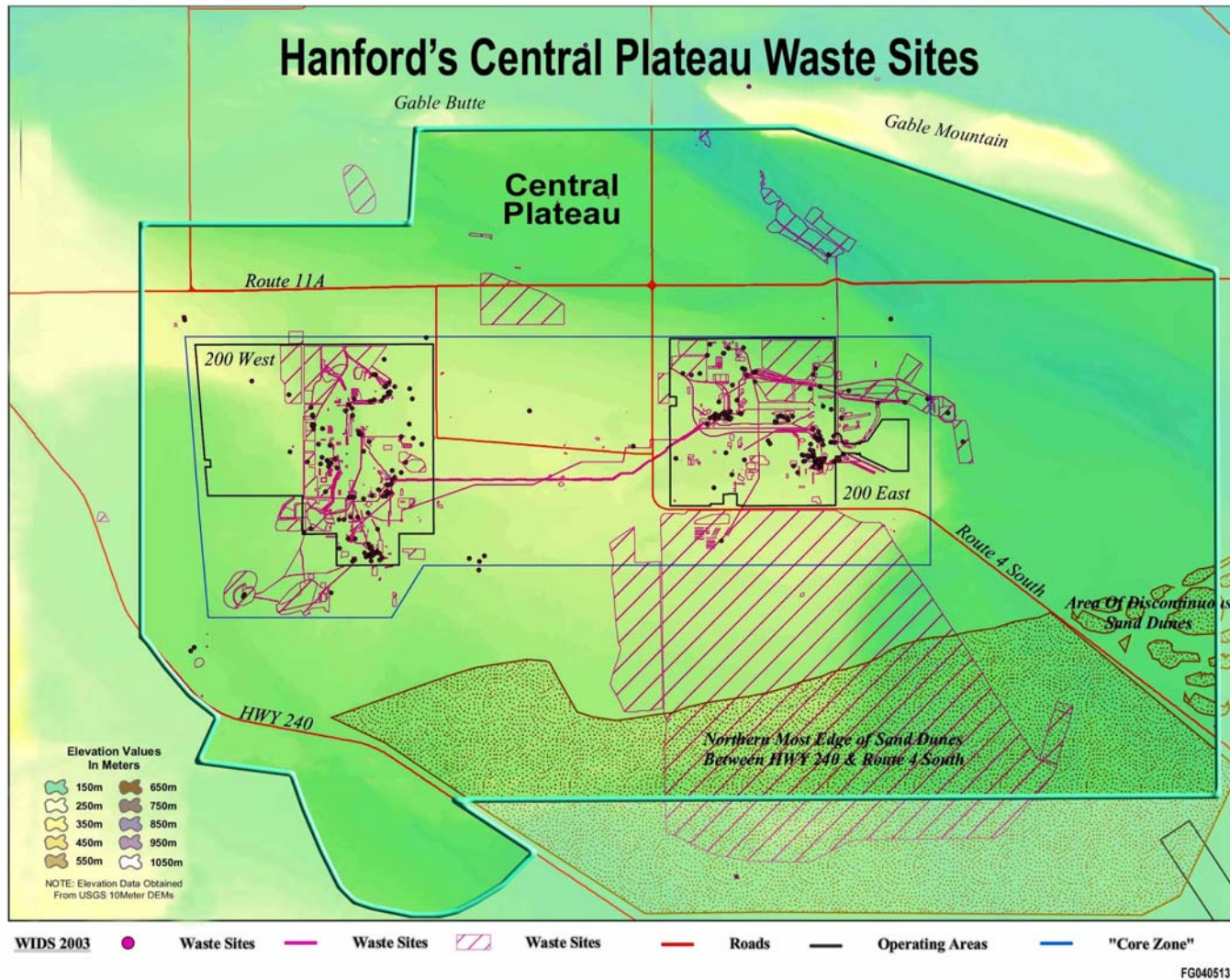
# Primary Objectives of the Ecological Risk Assessment

Provide information to:

- Support waste site decision making
- Evaluate the health or condition of the ecosystem across habitats

May also be used to support trustee data needs

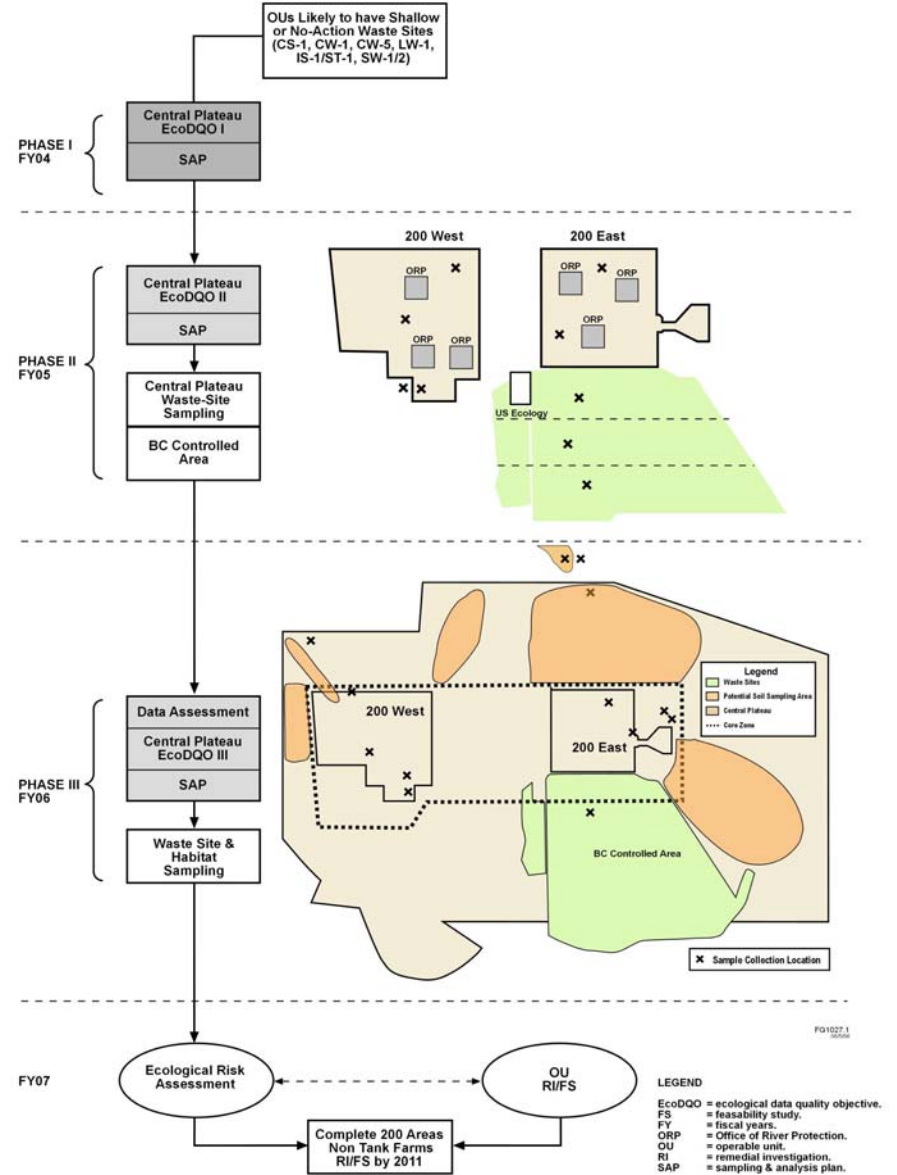
# Central Plateau Spatial Boundary



**EM Environmental Management**

safety ❖ performance ❖ cleanup ❖ closure

# Phased Approach Overview



**EM Environmental Management**

safety ❖ performance ❖ cleanup ❖ closure

## Phase I Elements

- Characterized Central Plateau waste sites
- Sampled small mammals, lizards, and invertebrates for metals, PCBs and radionuclides
- The soils were radiologically surveyed and analyzed for the same constituents

## Phase II Elements

- Characterized the BC Controlled Area
- Sampled small mammals, lizards, and invertebrates for Cs-137 and Sr-90
- The soils were radiologically surveyed and sampled for the same constituents

## Phase III Elements

- Assessment of Phase I/II data
- Resolution of uncertainties from Phase I/II investigations
- Non-waste site areas
- Diffuse carbon tetrachloride plume
- West Lake

# Soil Sampling



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# Drift Fence Sampling



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# Biota Sampling



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# West Lake Water Sampling



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## Phase IV Elements

- Data Quality Assessment of Phase III data
- Develop Final Ecological Risk Assessment Report
- Evaluate needs for additional data
- Risk characterization, uncertainty analysis and quality assurance review

# Public Participation Meetings

- May 15, 2007 - Review Phase III data collection and additions made in response to decision-maker requests.
- July-August 2007 - Present Phase III data and provide web access to the data.

# Public Participation Meetings

- December 2007 - Review findings of the risk assessment.
- August 2008 - Public participant meeting to hear/resolve comments on the Ecological Risk Assessment Report.