

Urban & Rural Reserves

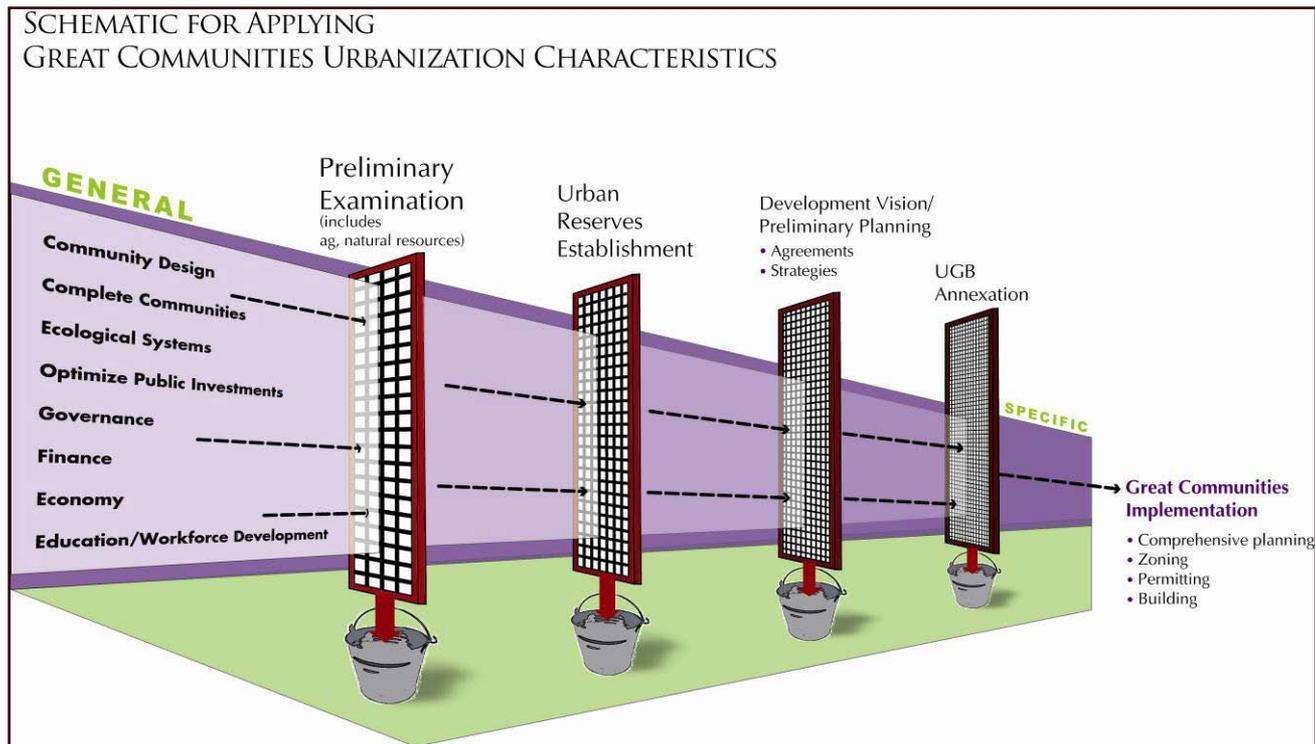
Urban Reserves Initial Screening



Reserves Steering Committee
February 11, 2009

Urban reserves initial screening

Analysis Screening Process



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First Step

- ❖ Initial screening of entire study area at broad landscape scale
- ❖ Utilize certain key factors from Administrative Rule



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Administrative Rule Factors

- ❖ UR-1: Can be developed at urban densities in a way that makes efficient use of existing and future public & private infrastructure investments
- ❖ UR-3: Can be efficiently and cost-effectively served with public schools and other urban level public facilities and services by appropriate and financially capable service providers

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Just a reminder..

- ❖ UR-2: Includes sufficient development capacity to support a healthy economy
 - ❖ UR-4: Can be designed to be walkable and served with a well-connected system of streets, bikeways, recreation trails and public transit by appropriate service providers
 - ❖ UR-5: Can be designed to preserve and enhance natural ecological systems
 - ❖ UR-6: Includes sufficient land suitable for a range of housing types
 - ❖ UR-7: Can be developed in a way that preserves important natural features included in urban reserves
 - ❖ UR-8: Can be designed to avoid or minimize adverse effects on farm and forest practices, and adverse effects on important natural landscape features, on nearby land including land designated as rural reserves
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Definition of Public Facilities & Services

- ❖ Sanitary sewer
- ❖ Water
- ❖ Transportation
- ❖ Storm water
- ❖ Public parks
- ❖ Schools



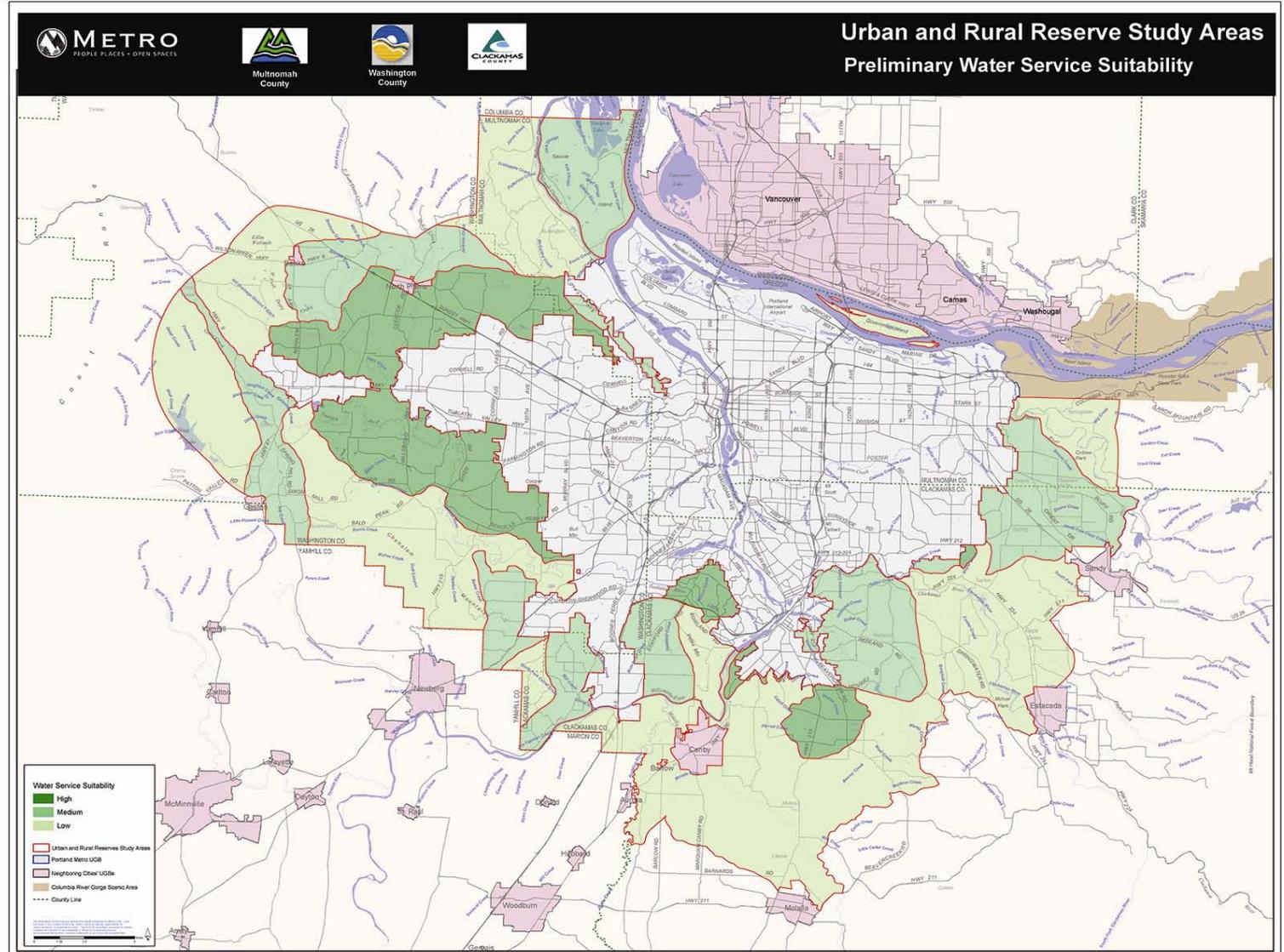
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Suitability Land Analysis

- ❖ Broad landscape scale analysis
- ❖ Utilize expert teams
 - Water
 - Sanitary Sewer
 - Transportation
- ❖ Develop preliminary suitability maps for each service

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Urban reserves initial screening – water



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Water Suitability Analysis & Results

- ❖ Assumes water services provided from a service provider in Metro area
- ❖ Topography and distance from existing infrastructure reduce suitability
- ❖ Presence of natural resources reduce suitability
- ❖ Areas closer to the current UGB generally have a higher suitability ranking
- ❖ Areas near existing facilities generally have a higher suitability ranking
- ❖ Flatter lands generally have a higher suitability ranking

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Sanitary Sewer Suitability Analysis & Results

❖ Assumes sanitary sewer services provided from a service provider in Metro area

❖ Key criteria:

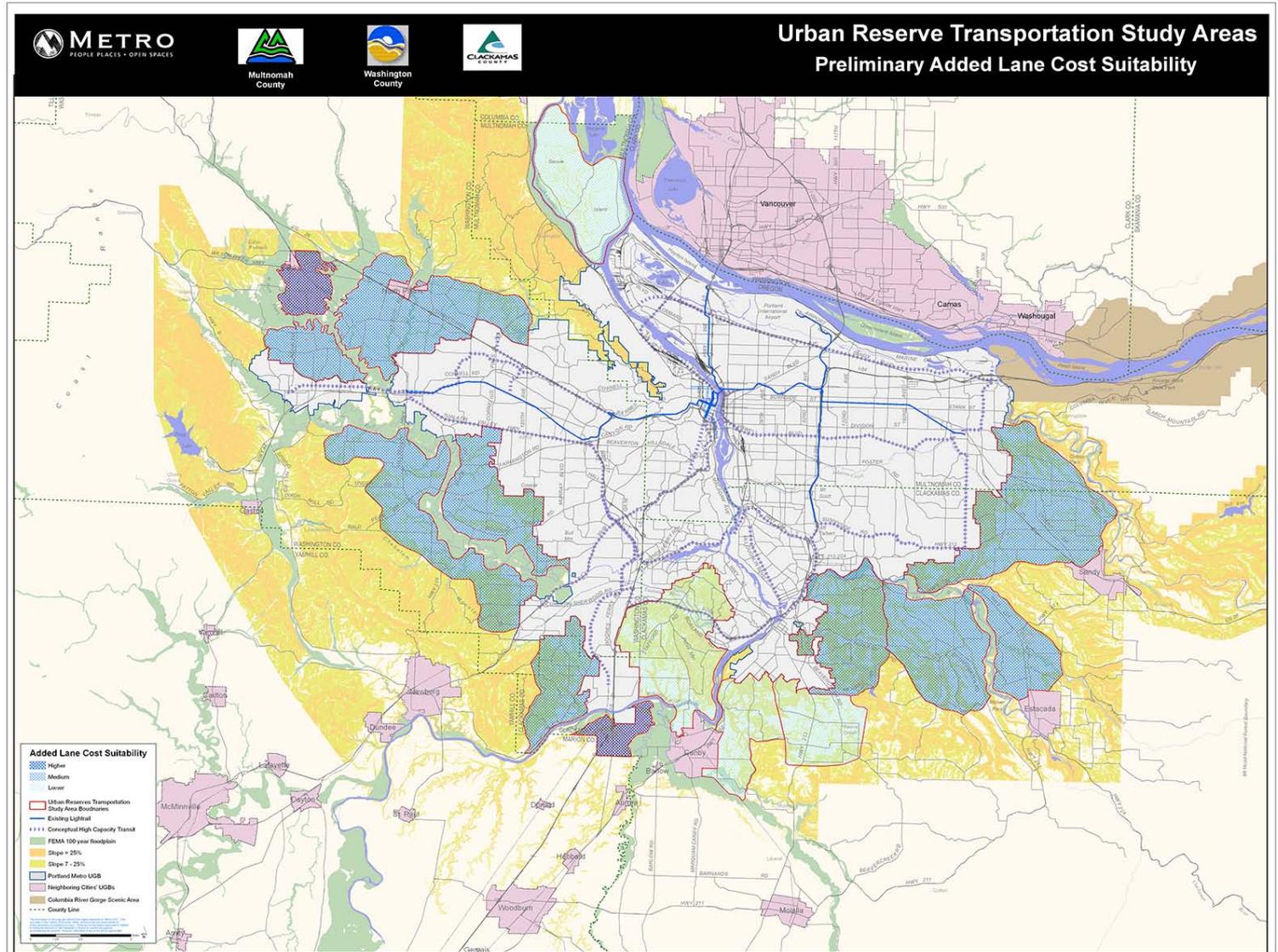
- topography and drainage;
- proximity to existing waste water treatment plant;
- existing plant capacity; and
- potential for plant to expand

❖ Areas with highest suitability primarily require in-area investment in conveyance; hook into existing facilities with capacity or potential to expand

❖ Presence of steep slopes and other natural resources reduce suitability

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Urban reserves initial screening – transportation 2



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Transportation Suitability Results

- ❖ Assumes RTP-level connected roadway network in place for each study area
- ❖ Assumes transportation network would need to be connected to Metro area
- ❖ Cost suitability rankings primarily reflect amount of rural network in place and topographic/natural feature constraints
- ❖ Connectivity ranking reflects density of streets needed to accommodate urban-level development & travel modes
- ❖ Flatter areas rank higher in connectivity, not necessarily higher in two cost rankings

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Next steps

- ❖ Initial screening information informs development of urban reserve candidate areas
- ❖ Initial screening results expanded and refined, as needed, during candidate urban reserve evaluation phase