

PORTLAND PLAN

Infrastructure Condition and Capacity

MAPS: ENVIRONMENTAL SERVICES AND PARKS & RECREATION



PORTLAND PLAN BACKGROUND REPORT
FALL 2009

**PLANNING AND SUSTAINABILITY COMMISSION
RECOMMENDED DRAFT
DECEMBER 14, 2010**



City of Portland Bureau of
Planning and Sustainability
Sam Adams, Mayor | Susan Anderson, Director

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Infrastructure Condition and Capacity



PROSPERITY AND BUSINESS SUCCESS



SUSTAINABILITY AND THE NATURAL ENVIRONMENT



DESIGN, PLANNING AND PUBLIC SPACES



NEIGHBORHOODS & HOUSING



TRANSPORTATION, TECHNOLOGY AND ACCESS



EDUCATION AND SKILL DEVELOPMENT



HUMAN HEALTH, FOOD AND PUBLIC SAFETY



QUALITY OF LIFE, CIVIC ENGAGEMENT AND EQUITY



ARTS, CULTURE AND INNOVATION

PORTLAND PLAN



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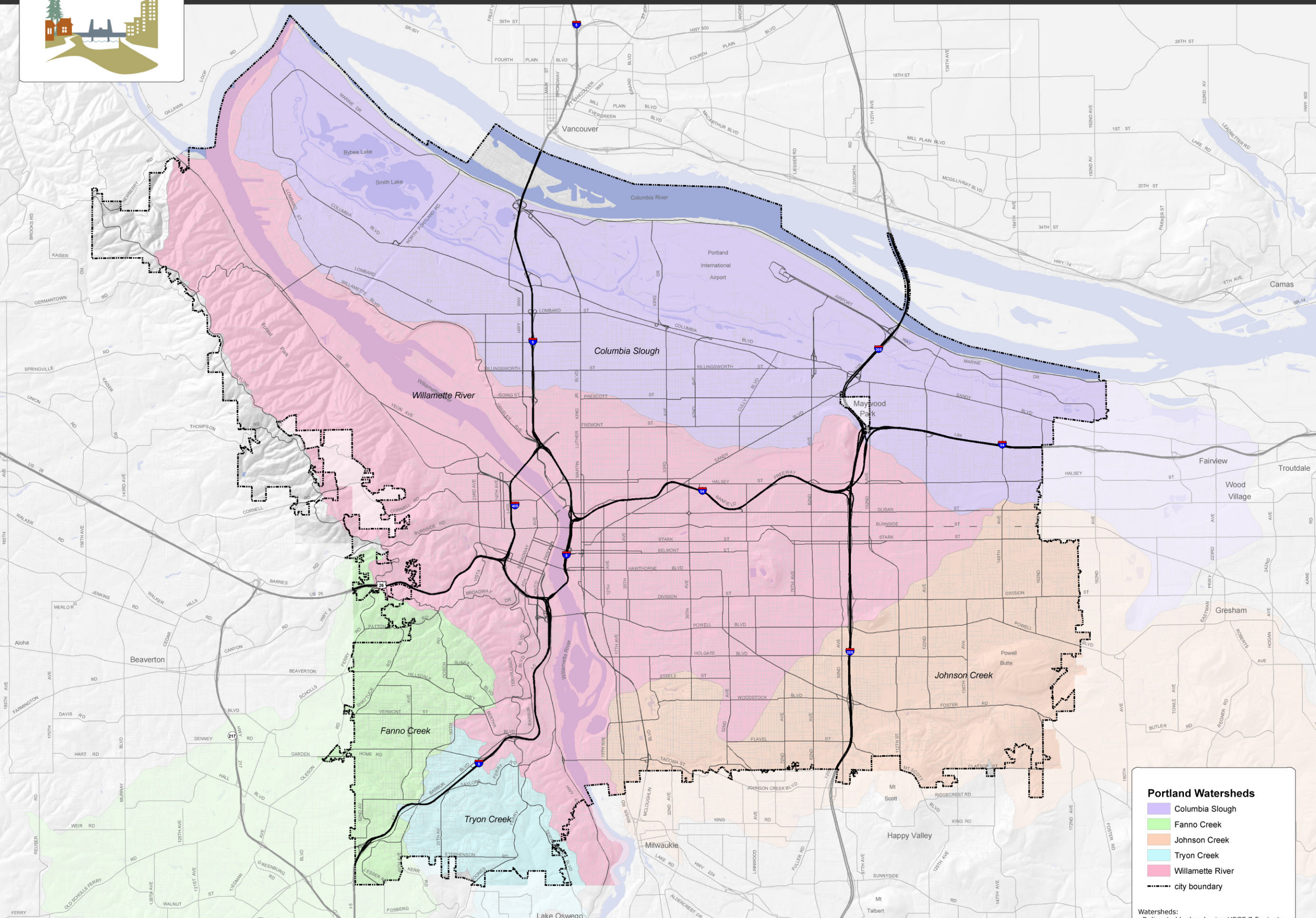
INFRASTRUCTURE CONDITION AND CAPACITY MAPS

Environmental Services

- Map 1.1 Watersheds
- Map 1.2 Combined & Sanitary Sewer Basins
- Map 1.3 Combined Sewer System Inventory
- Map 1.4 Combined Sewer Structural Deficiencies
- Map 1.5 Combined Sewer Hydraulic Deficiencies
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- Map 1.7 Sanitary System Structural Deficiencies
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- Map 2.1 Parks & Recreation Inventory
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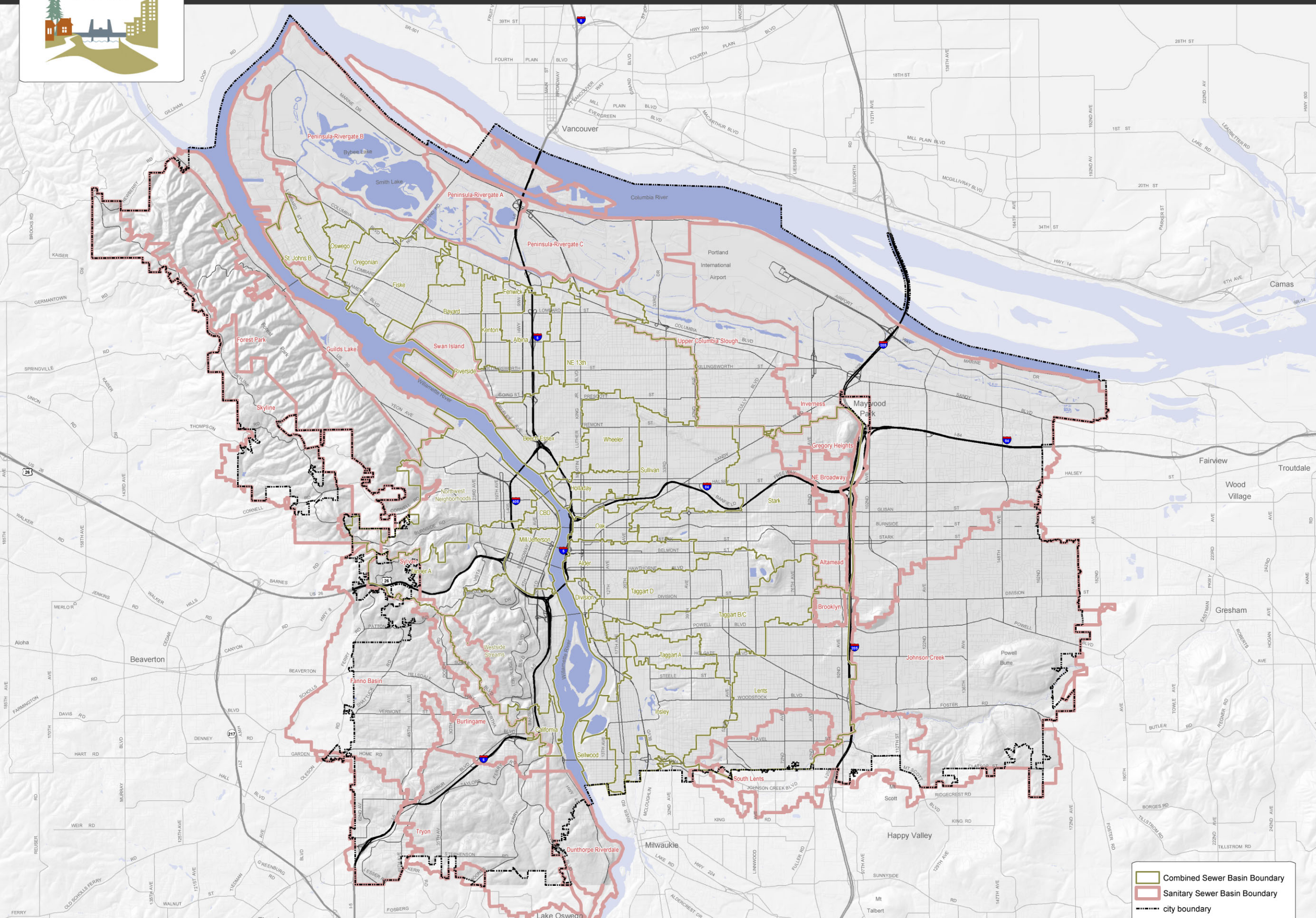


Portland Watersheds

- Columbia Slough
- Fanno Creek
- Johnson Creek
- Tryon Creek
- Willamette River
- city boundary

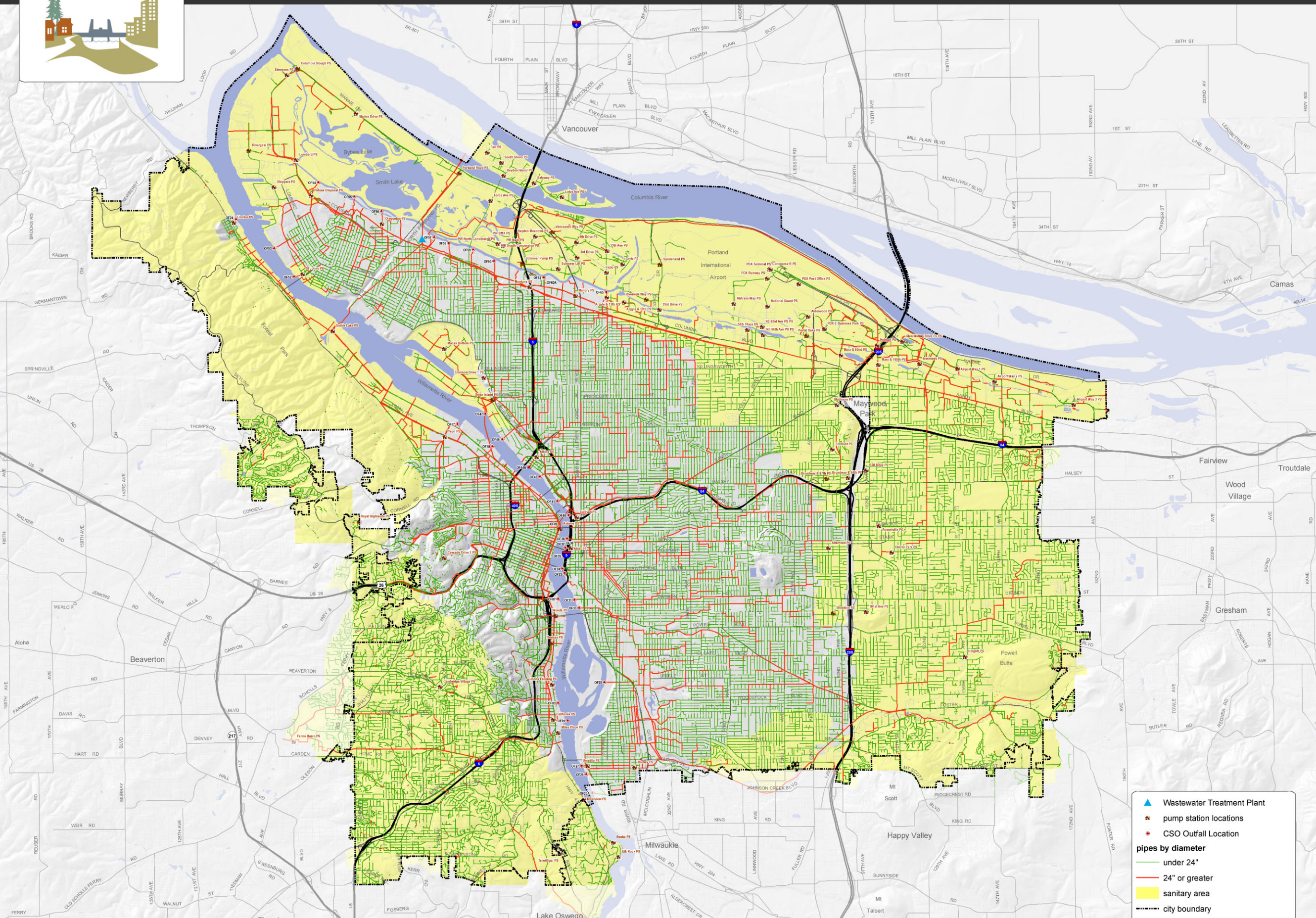
Watersheds:
Delineated by hand using USGS 7.5 minute quad topography. Improved by comparing to Oregon State Service Center for GIS fifth order stream information (Metro, July, 1997).





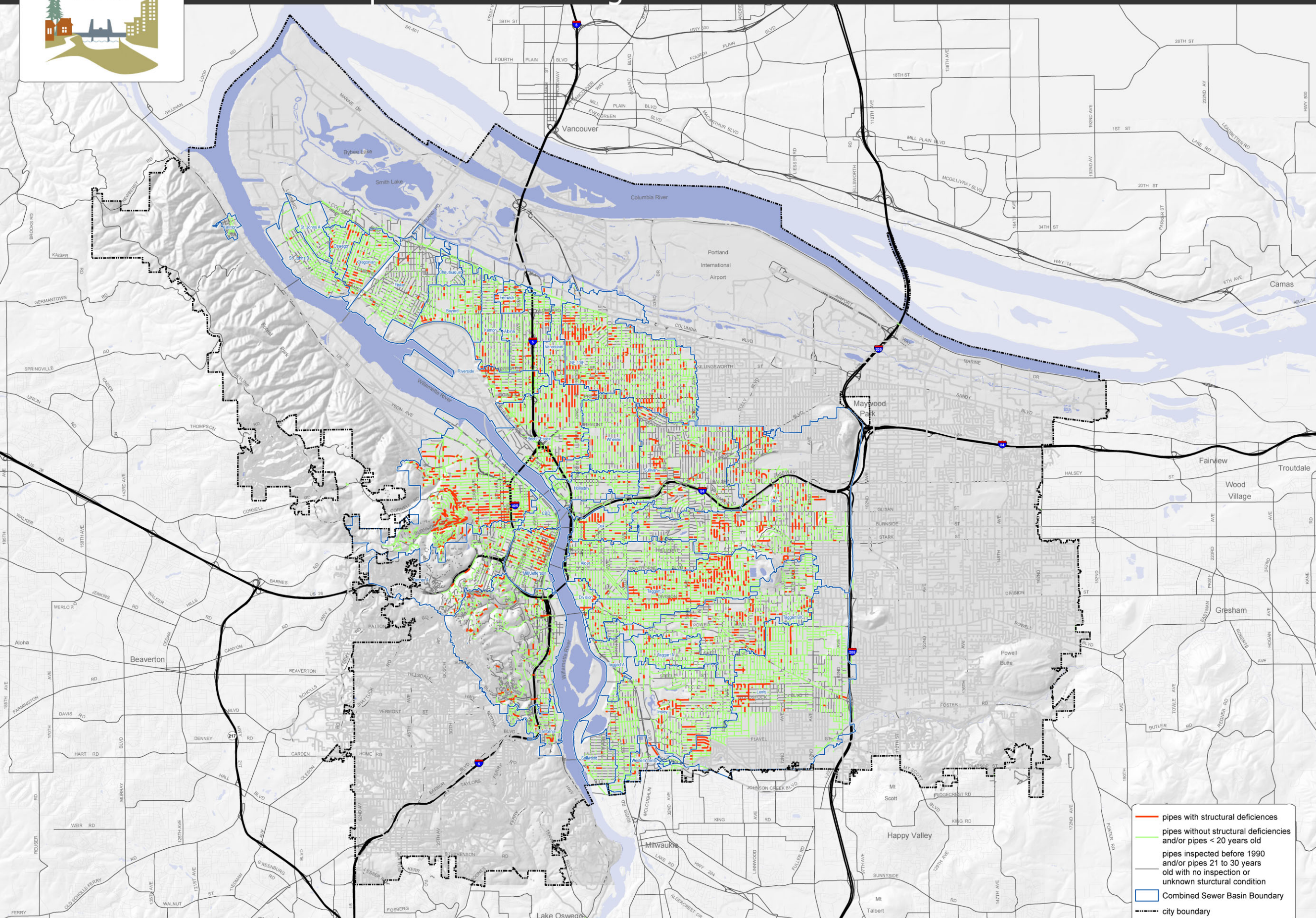
- Combined Sewer Basin Boundary
- Sanitary Sewer Basin Boundary
- city boundary

sanitary and combined sewer basins:
maintained by Bureau of Environmental
services (Sept. 2008)



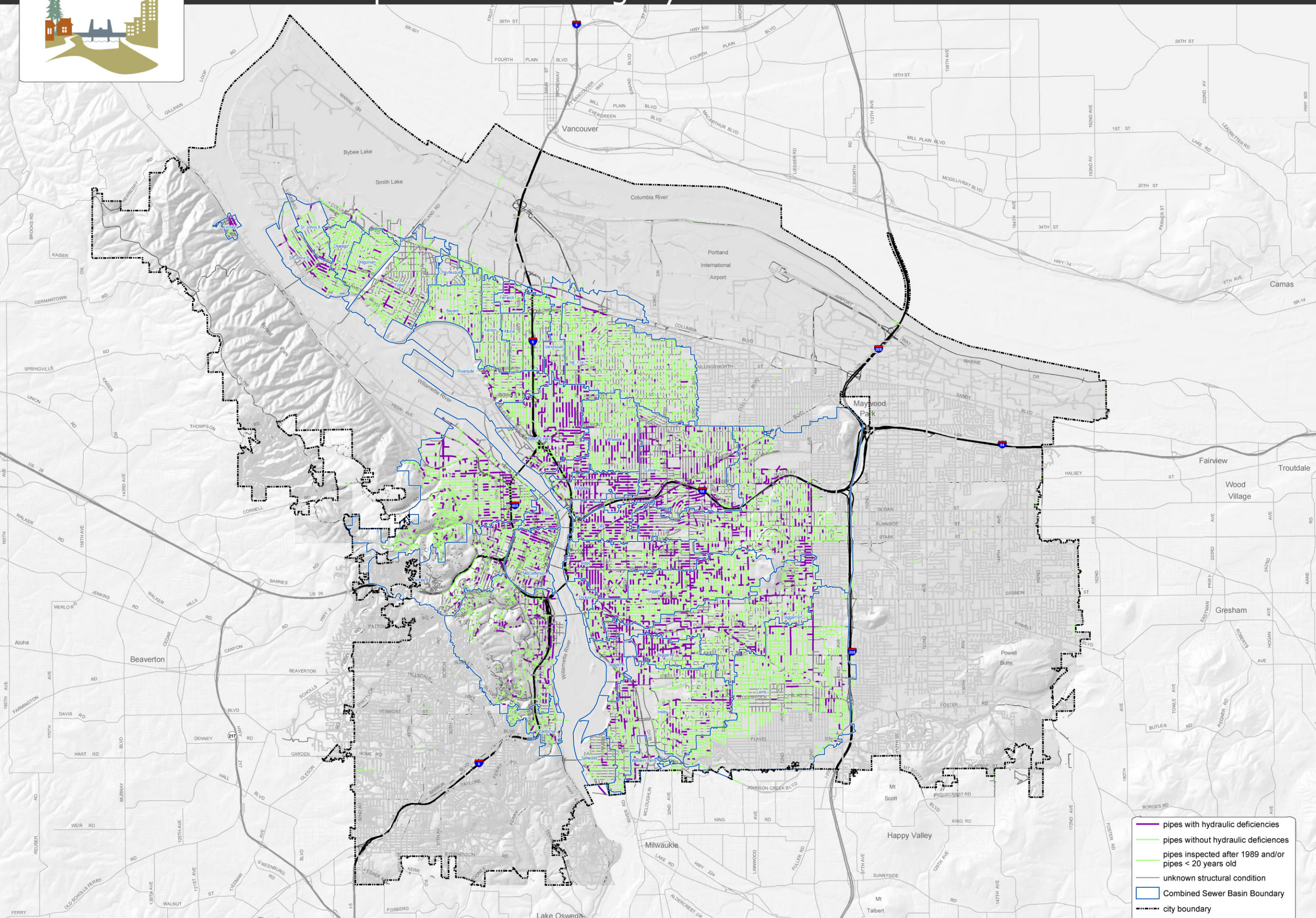
- Wastewater Treatment Plant
- pump station locations
- CSO Outfall Location
- pipes by diameter**
- under 24"
- 24" or greater
- sanitary area
- city boundary

sanitary and combined sewer basins:
maintained by Bureau of Environmental
services (Sept. 2008)



- pipes with structural deficiencies
- pipes without structural deficiencies and/or pipes < 20 years old
- pipes inspected before 1990 and/or pipes 21 to 30 years old with no inspection or unknown structural condition
- Combined Sewer Basin Boundary
- city boundary

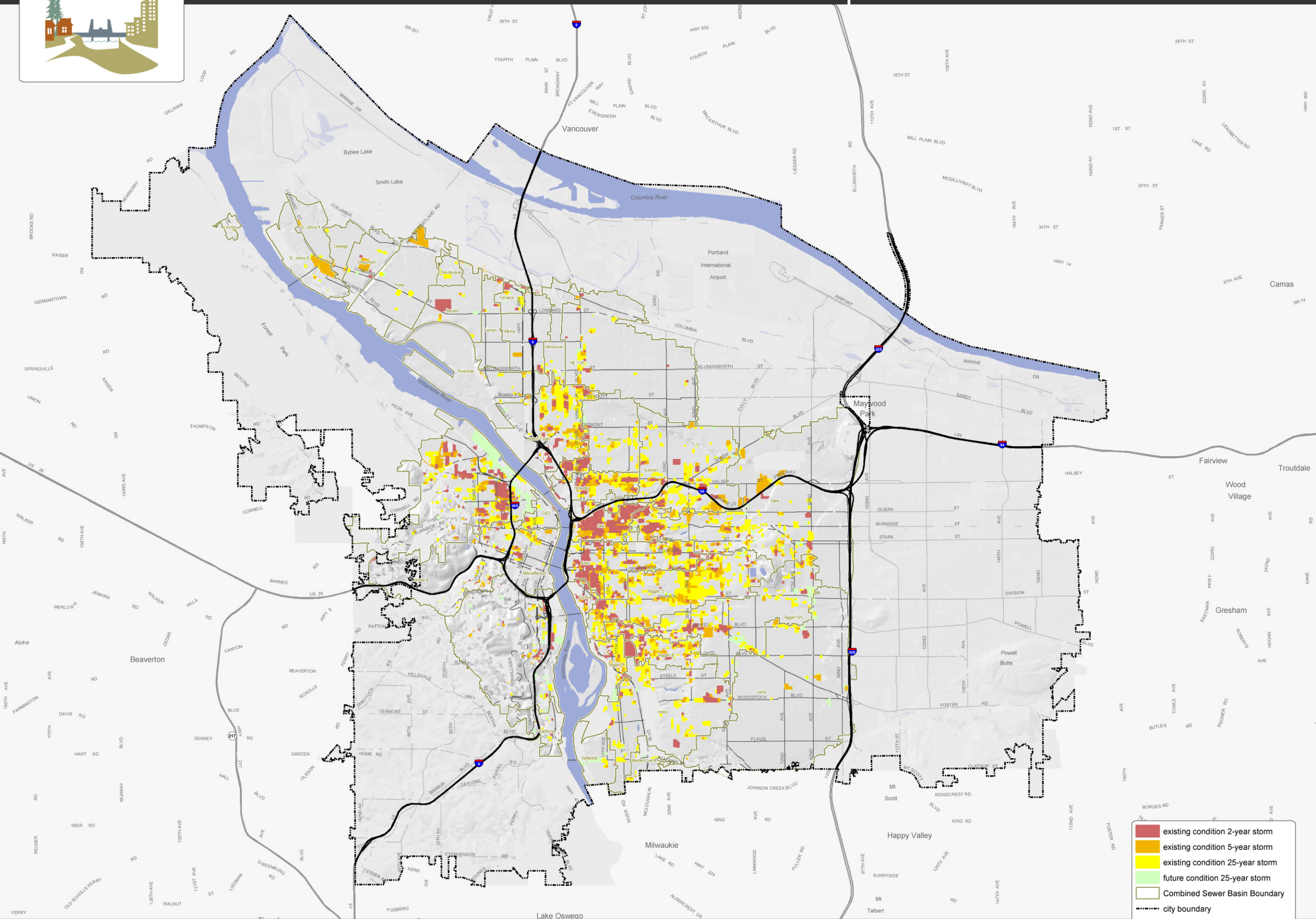
combined sewer pipes: maintained by Bureau of Environmental services (Sept. 2008)



- pipes with hydraulic deficiencies
- pipes without hydraulic deficiencies
- pipes inspected after 1989 and/or pipes < 20 years old
- unknown structural condition
- Combined Sewer Basin Boundary
- city boundary

combined sewer pipes:
maintained by Bureau of Environmental
services (Sept. 2008)

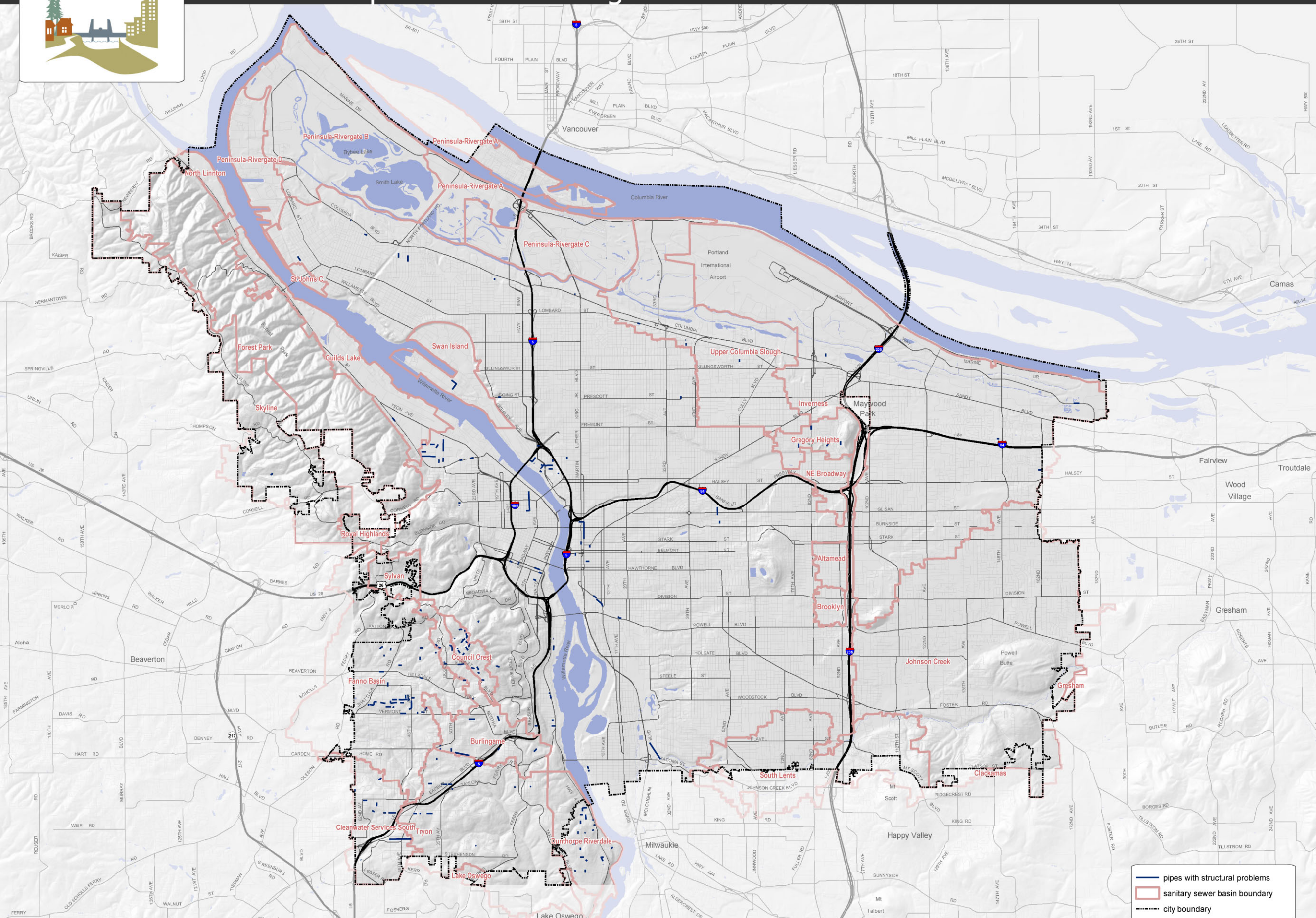




- existing condition 2-year storm
- existing condition 5-year storm
- existing condition 25-year storm
- future condition 25-year storm
- Combined Sewer Basin Boundary
- city boundary

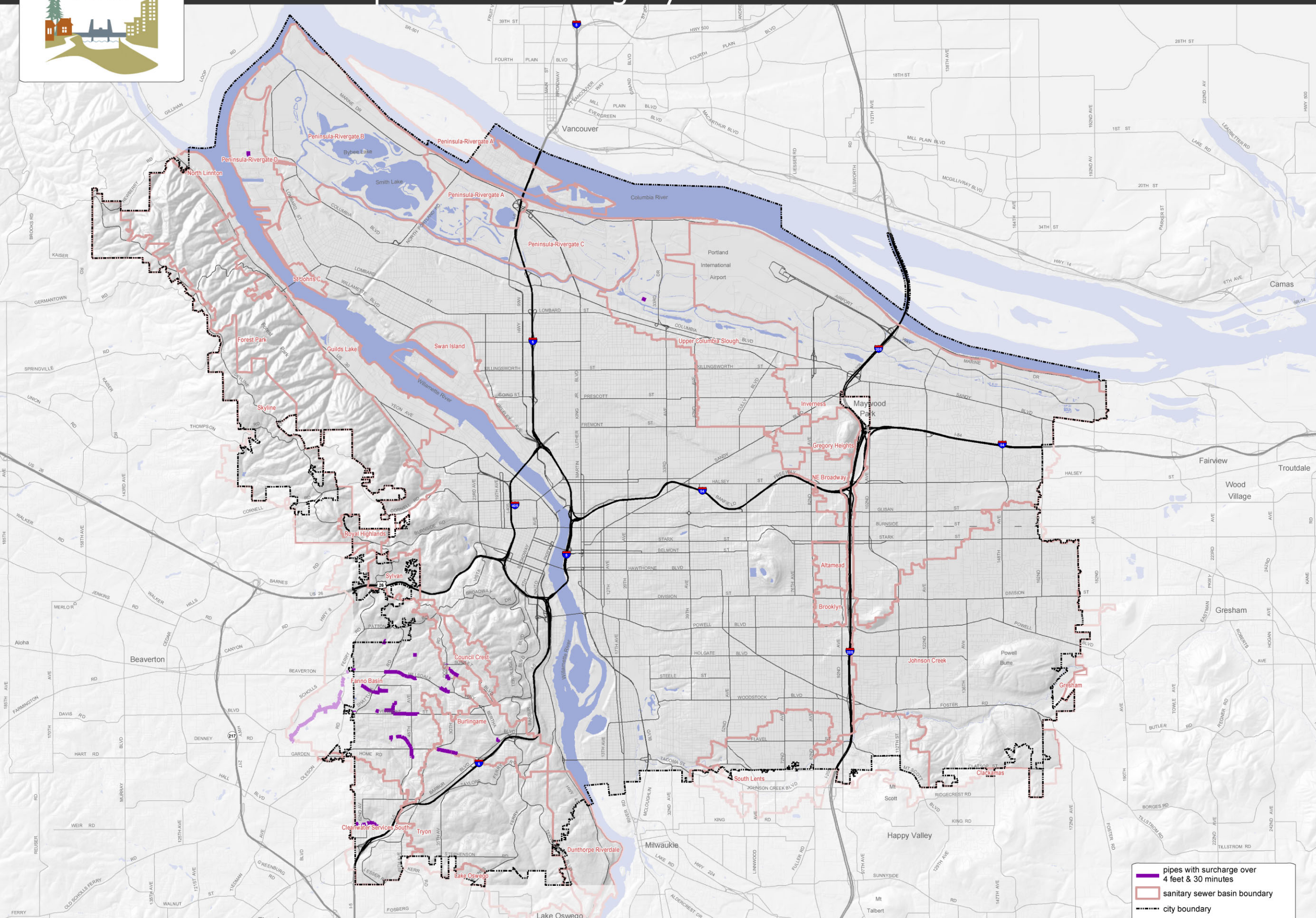
combined sewer basement backup risk:
maintained by Bureau of Environmental
services (Sept. 2008)





— pipes with structural problems
 sanitary sewer basin boundary
 city boundary

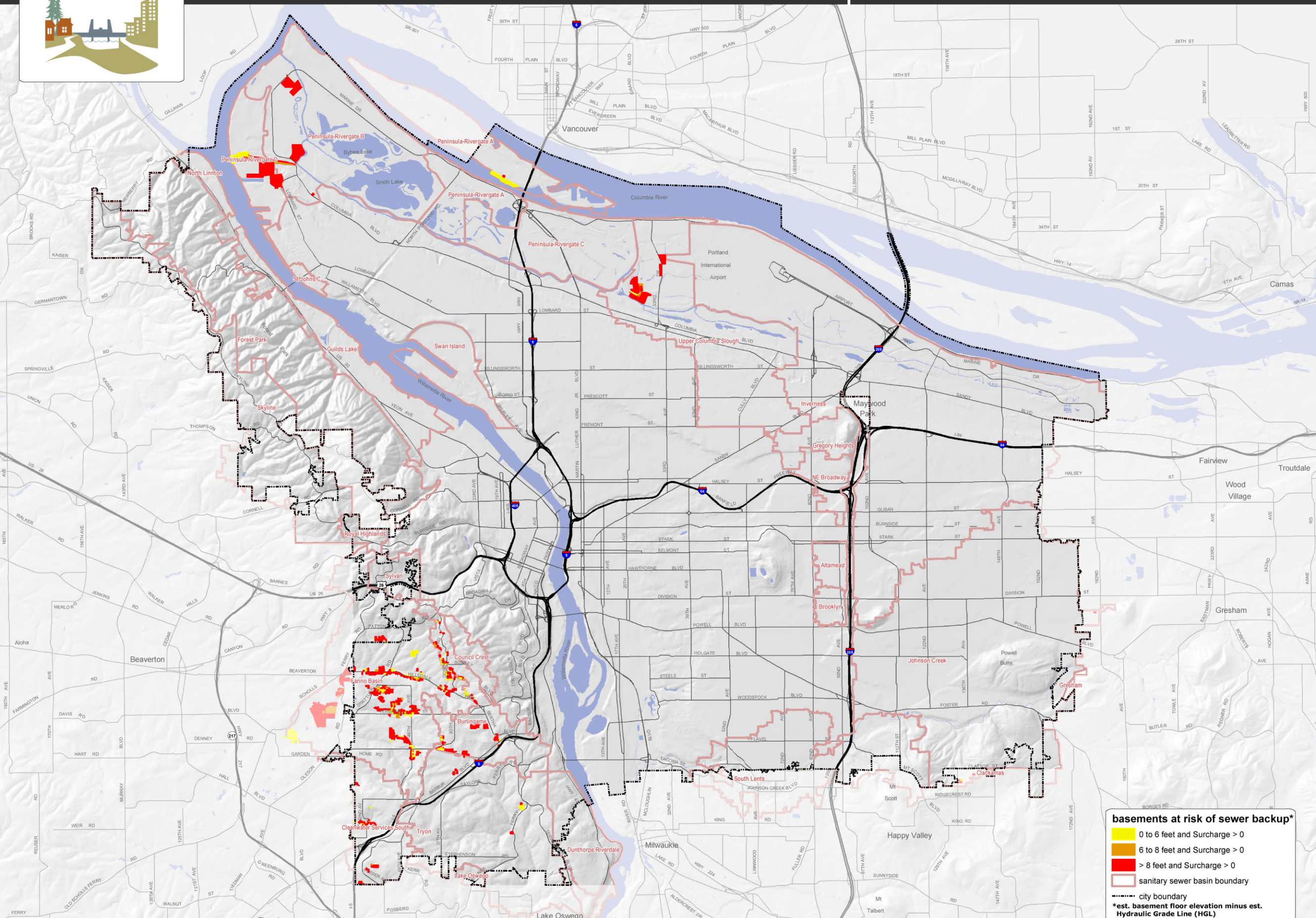
sanitary sewer system:
developed and maintained by Bureau
of Environmental Services (Sept. 2008)



— pipes with surcharge over 4 feet & 30 minutes
 sanitary sewer basin boundary
 city boundary

sanitary sewer system:
developed and maintained by Bureau of Environmental Services (Sept. 2008)





basements at risk of sewer backup*

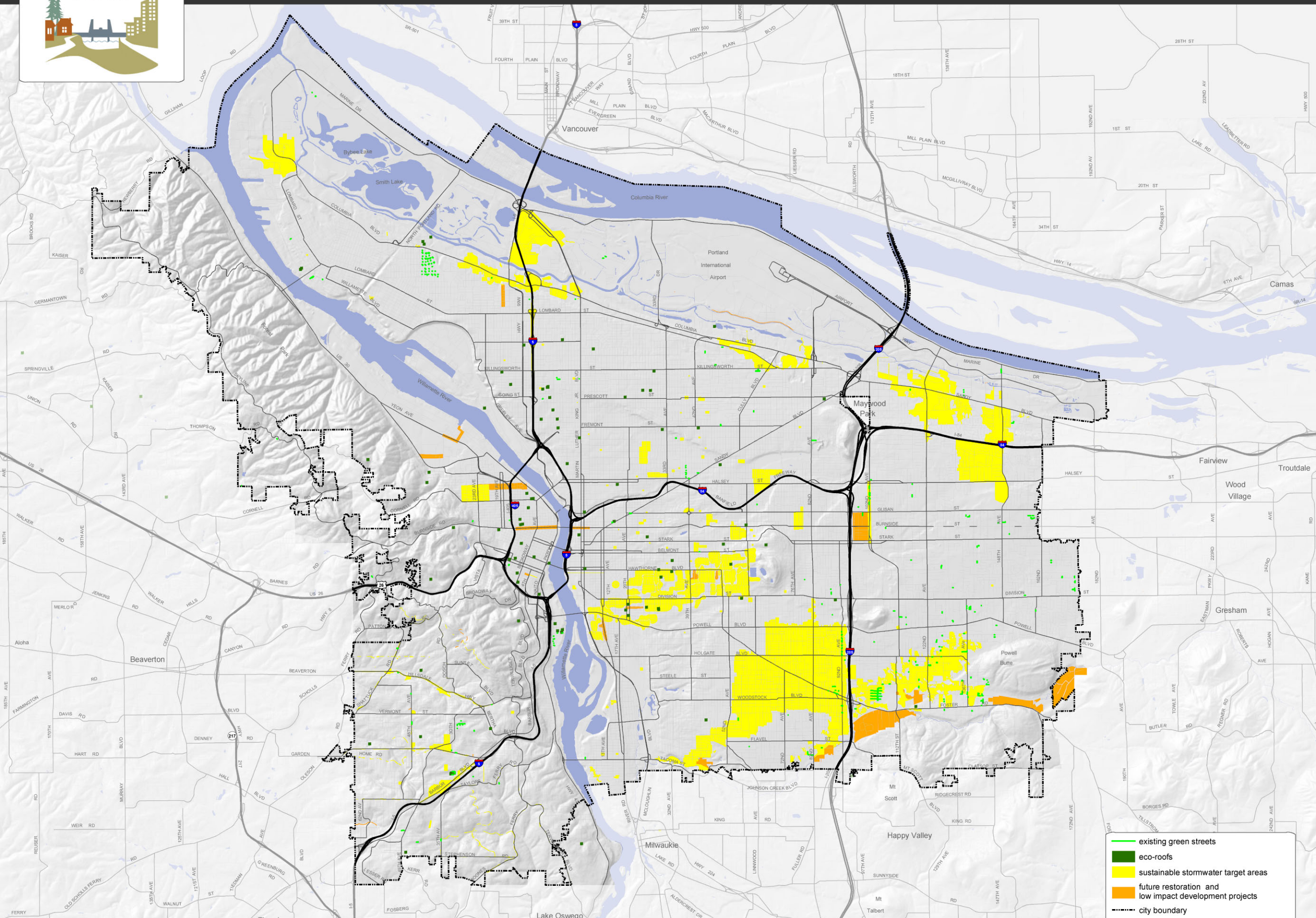
- 0 to 6 feet and Surge > 0
- 6 to 8 feet and Surge > 0
- > 8 feet and Surge > 0
- sanitary sewer basin boundary
- city boundary

*est. basement floor elevation minus est. Hydraulic Grade Line (HGL)

sanitary sewer system:
developed and maintained by Bureau of Environmental Services (Sept. 2008)

June 3, 2009 City of Portland | Bureau of Planning and Sustainability | Geographic Information System
The information on the map was derived from digital data-bases on the City of Portland, Bureau of Planning and Sustainability GIS. Care was taken in the creation of this map but it is provided "as is". The City of Portland cannot accept any responsibility for error, omissions, or positional accuracy, and therefore, it here are no warranties which accompany this product. However, notification of any errors will be appreciated.

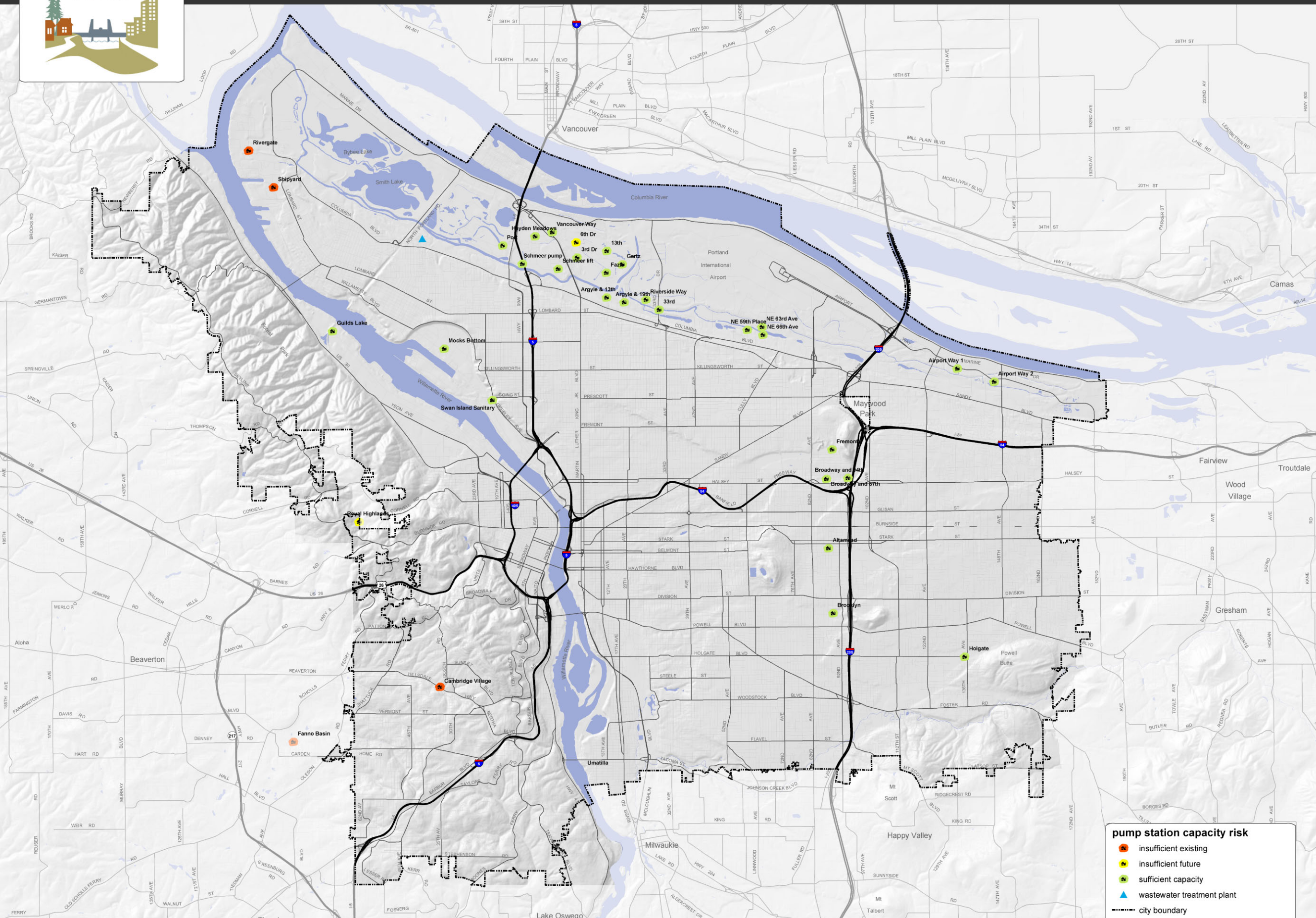




- existing green streets
- eco-roofs
- sustainable stormwater target areas
- future restoration and low impact development projects
- - - - city boundary

sustainable stormwater projects:
developed and maintained by Bureau
of Environmental Services (Sept. 2008)

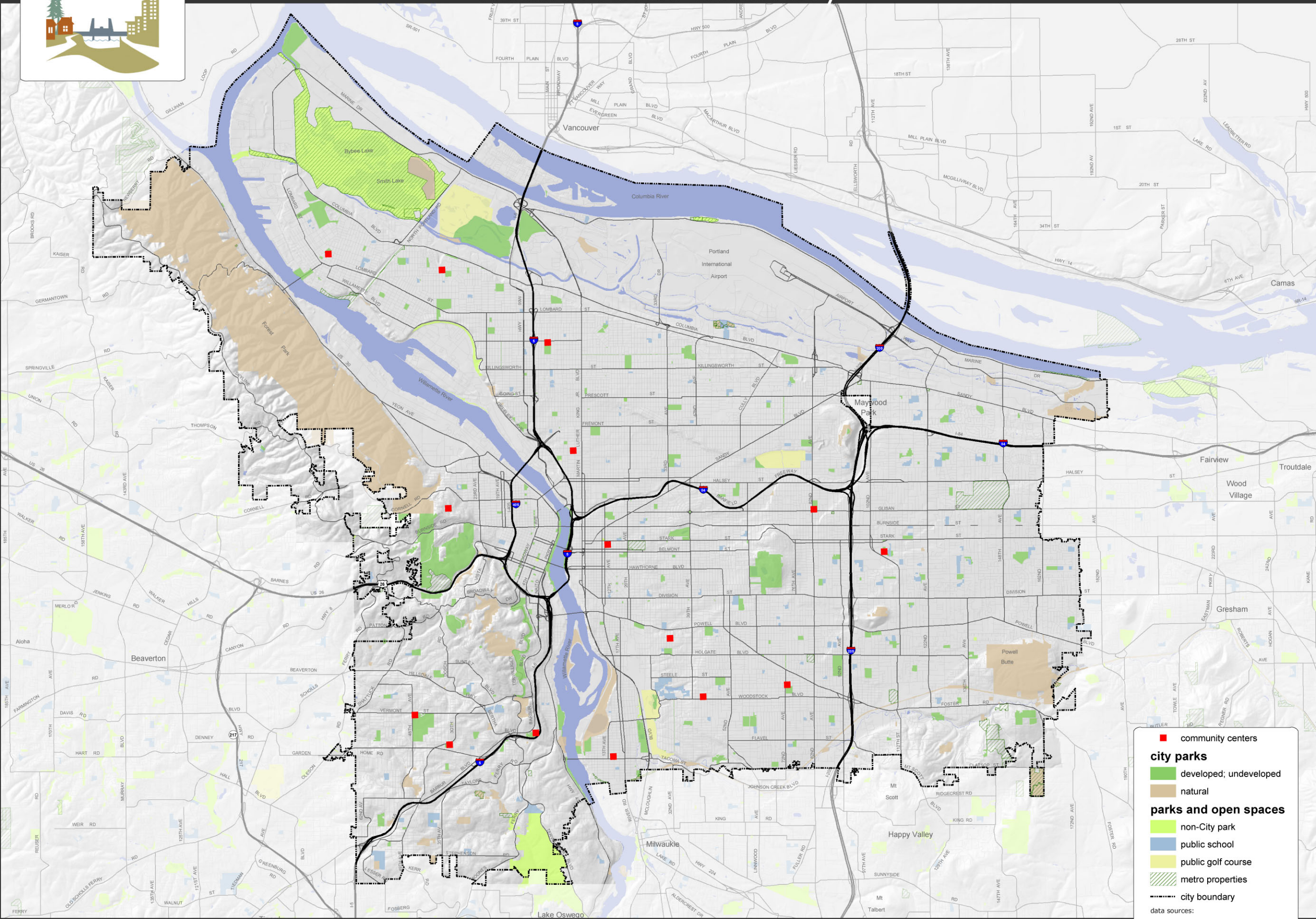




pump station capacity risk

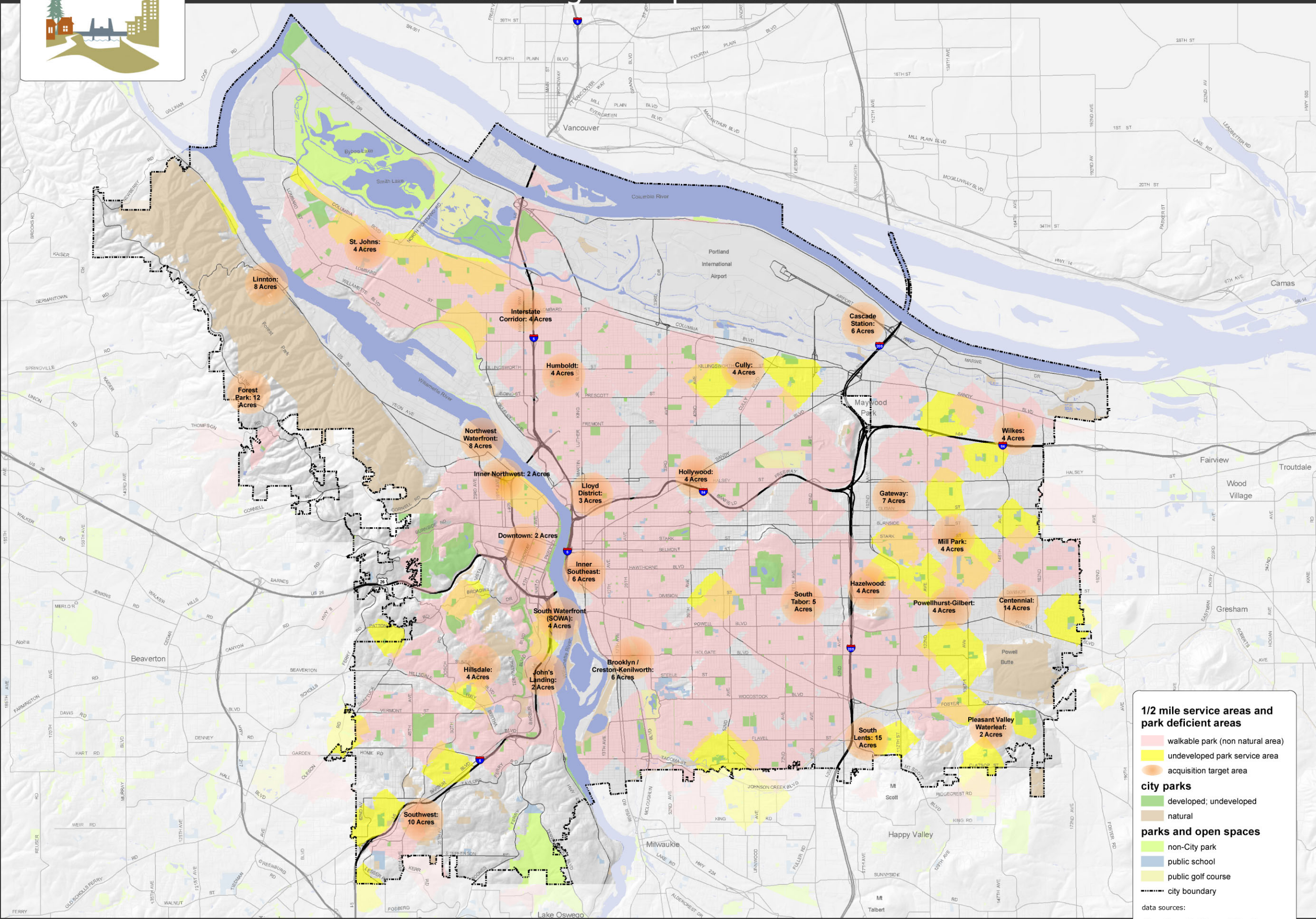
- insufficient existing
- insufficient future
- sufficient capacity
- ▲ wastewater treatment plant
- city boundary

pump station capacity:
developed and maintained by Bureau
of Environmental Services (Sept. 2008)



- community centers
- city parks**
 - developed; undeveloped
 - natural
- parks and open spaces**
 - non-City park
 - public school
 - public golf course
 - metro properties
 - city boundary
- data sources:
 city parks maintained by Portland Parks & Rec (current June 2008). Other parks from Metro parks & open space (May 2008)





1/2 mile service areas and park deficient areas

- walkable park (non natural area)
- undeveloped park service area
- acquisition target area

city parks

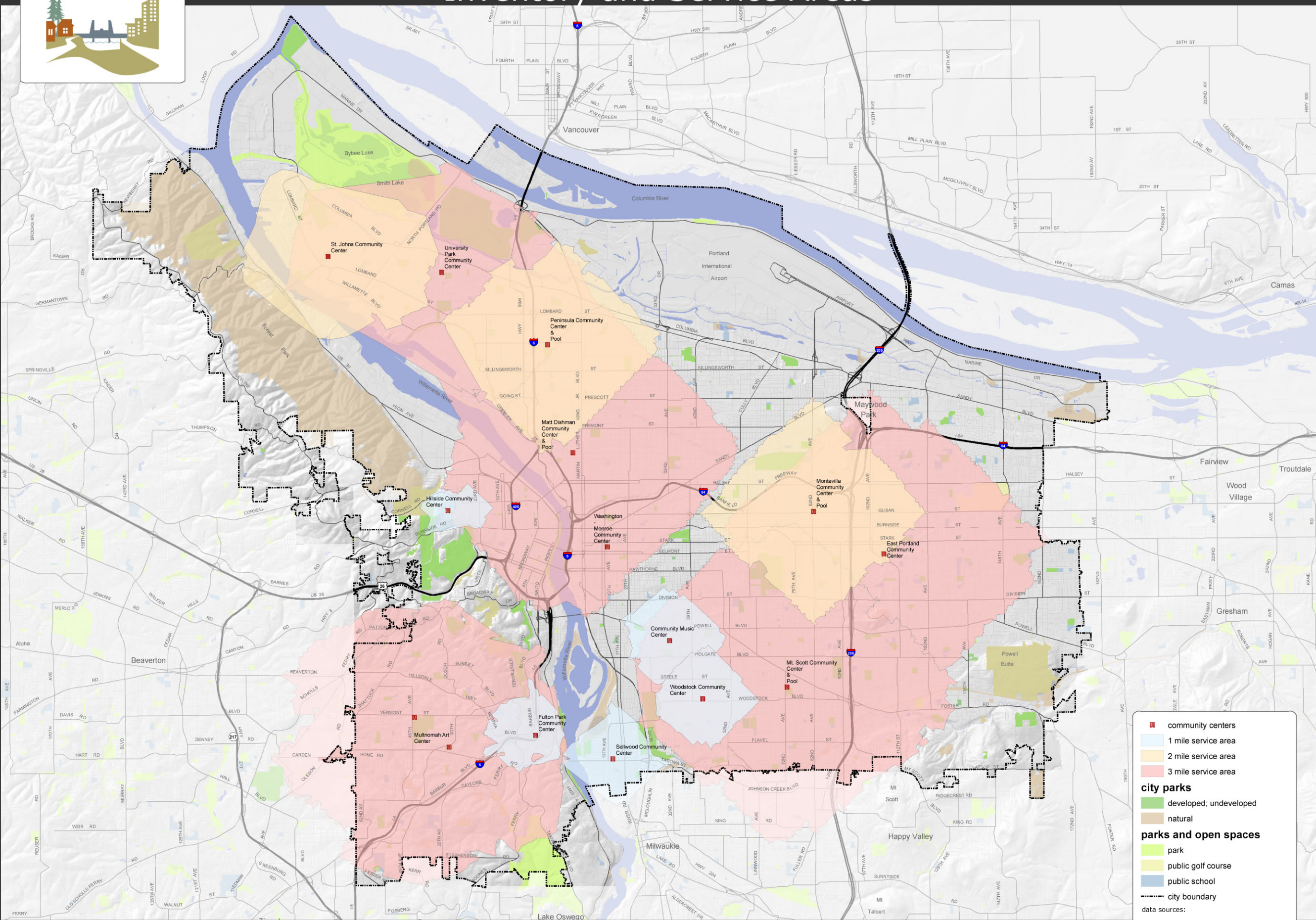
- developed; undeveloped
- natural

parks and open spaces

- non-City park
- public school
- public golf course
- city boundary

data sources:

city parks and facilities maintained by Portland Parks & Rec (current June 2008). Other parks from Metro parks & open space (May 2008)



- community centers
- 1 mile service area
- 2 mile service area
- 3 mile service area

city parks

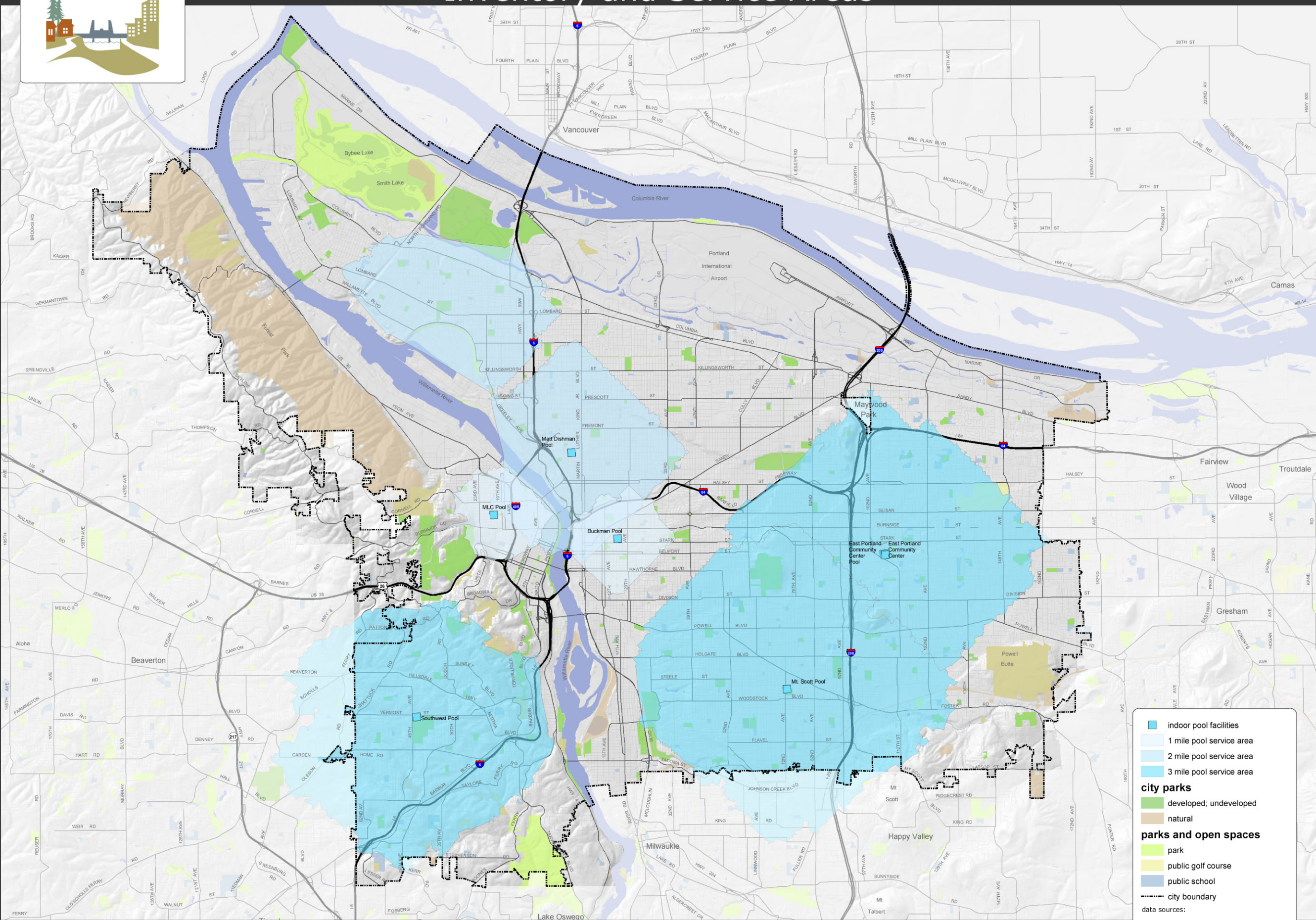
- developed; undeveloped
- natural

parks and open spaces

- park
- public golf course
- public school
- city boundary

data sources:

city parks and facilities maintained by Portland Parks & Rec (current June 2008).
Other parks from Metro parks & open space (May 2008)



- indoor pool facilities
- 1 mile pool service area
- 2 mile pool service area
- 3 mile pool service area

city parks

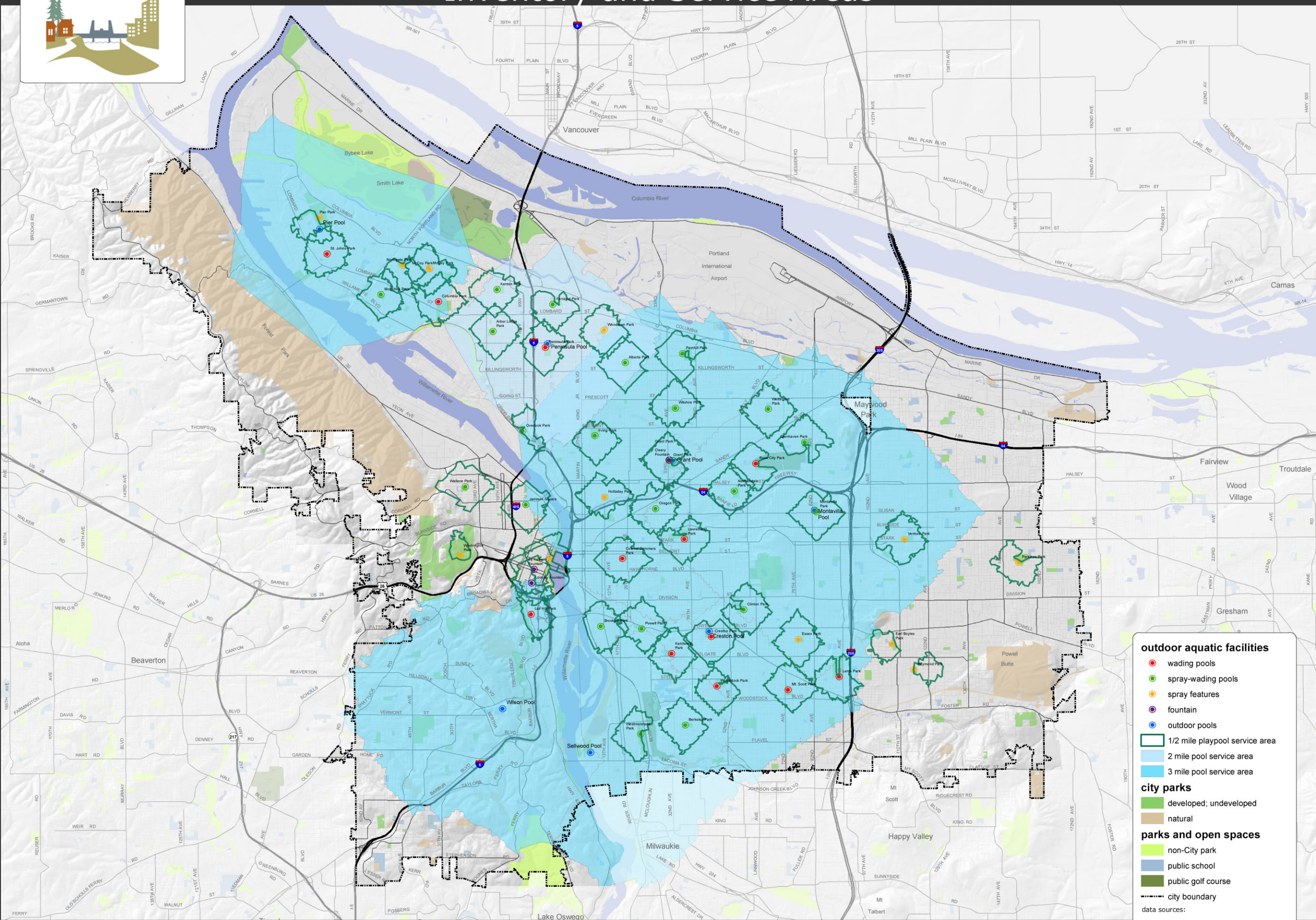
- developed; undeveloped
- natural

parks and open spaces

- park
- public golf course
- public school
- city boundary

data sources:

city parks and facilities maintained by Portland Parks & Rec (current June 2008). Other parks from Metro parks & open space (May 2008)



outdoor aquatic facilities

- wading pools
- spray-wading pools
- spray features
- fountain
- outdoor pools

- 1/2 mile playpool service area
- 2 mile pool service area
- 3 mile pool service area

city parks

- developed; undeveloped
- natural

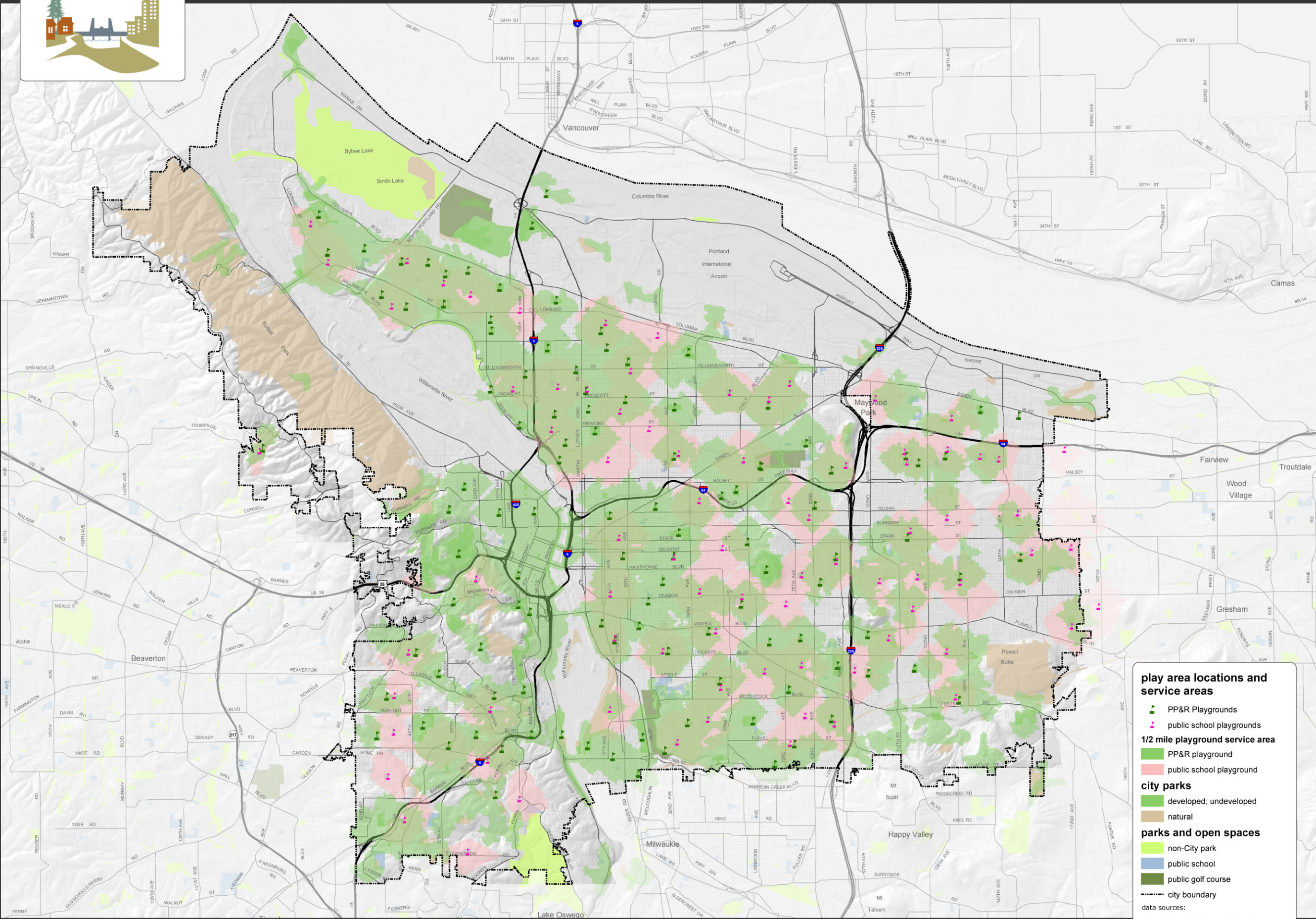
parks and open spaces

- non-City park
- public school
- public golf course

----- city boundary

data sources:
city parks and facilities maintained by Portland Parks & Rec (current June 2008). Other parks from Metro parks & open space (May 2008)





play area locations and service areas

- PP&R Playgrounds
- public school playgrounds
- 1/2 mile playground service area
- PP&R playground
- public school playground

city parks

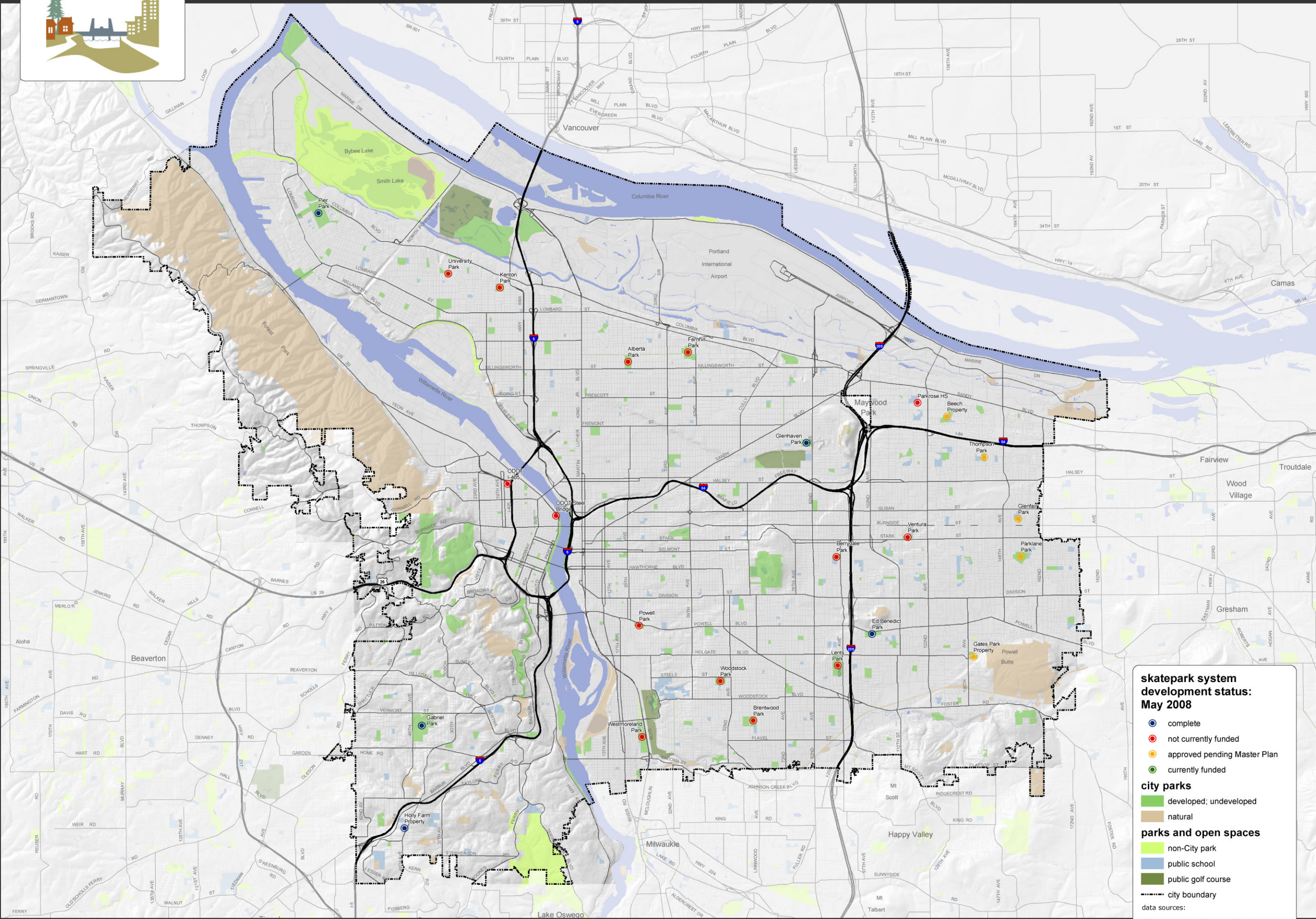
- developed; undeveloped
- natural

parks and open spaces

- non-City park
- public school
- public golf course
- city boundary

data sources:

city parks and facilities maintained by Portland Parks & Rec (current June 2008). Other parks from Metro parks & open space (May 2008)



skatepark system development status: May 2008

- complete
- not currently funded
- approved pending Master Plan
- currently funded

city parks

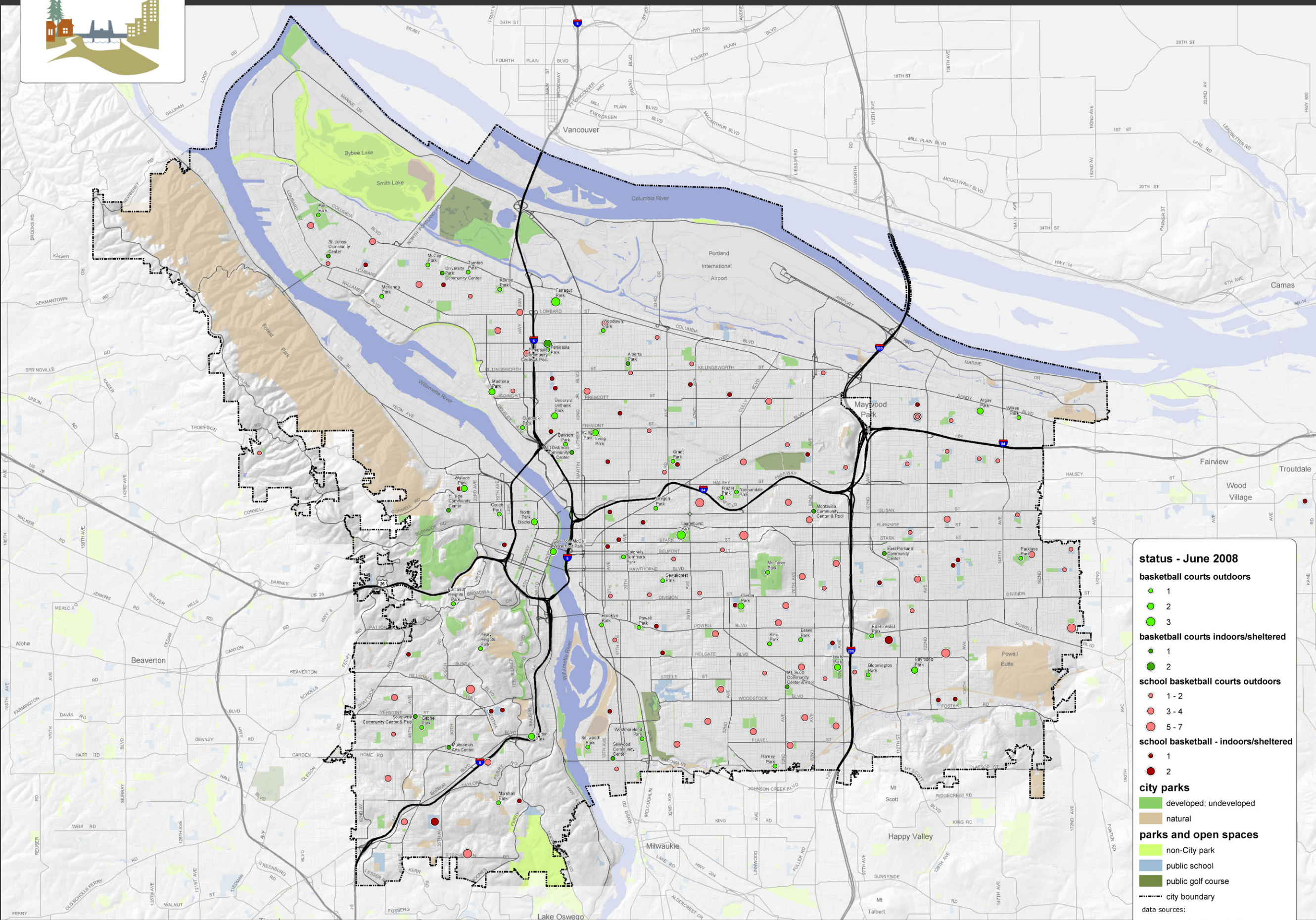
- developed; undeveloped
- natural

parks and open spaces

- non-City park
- public school
- public golf course

----- city boundary

data sources:
city parks and facilities maintained by Portland Parks & Rec (current June 2008). Other parks from Metro parks & open space (May 2008)



status - June 2008

basketball courts outdoors

- 1
- 2
- 3

basketball courts indoors/sheltered

- 1
- 2

school basketball courts outdoors

- 1 - 2
- 3 - 4
- 5 - 7

school basketball - indoors/sheltered

- 1
- 2

city parks

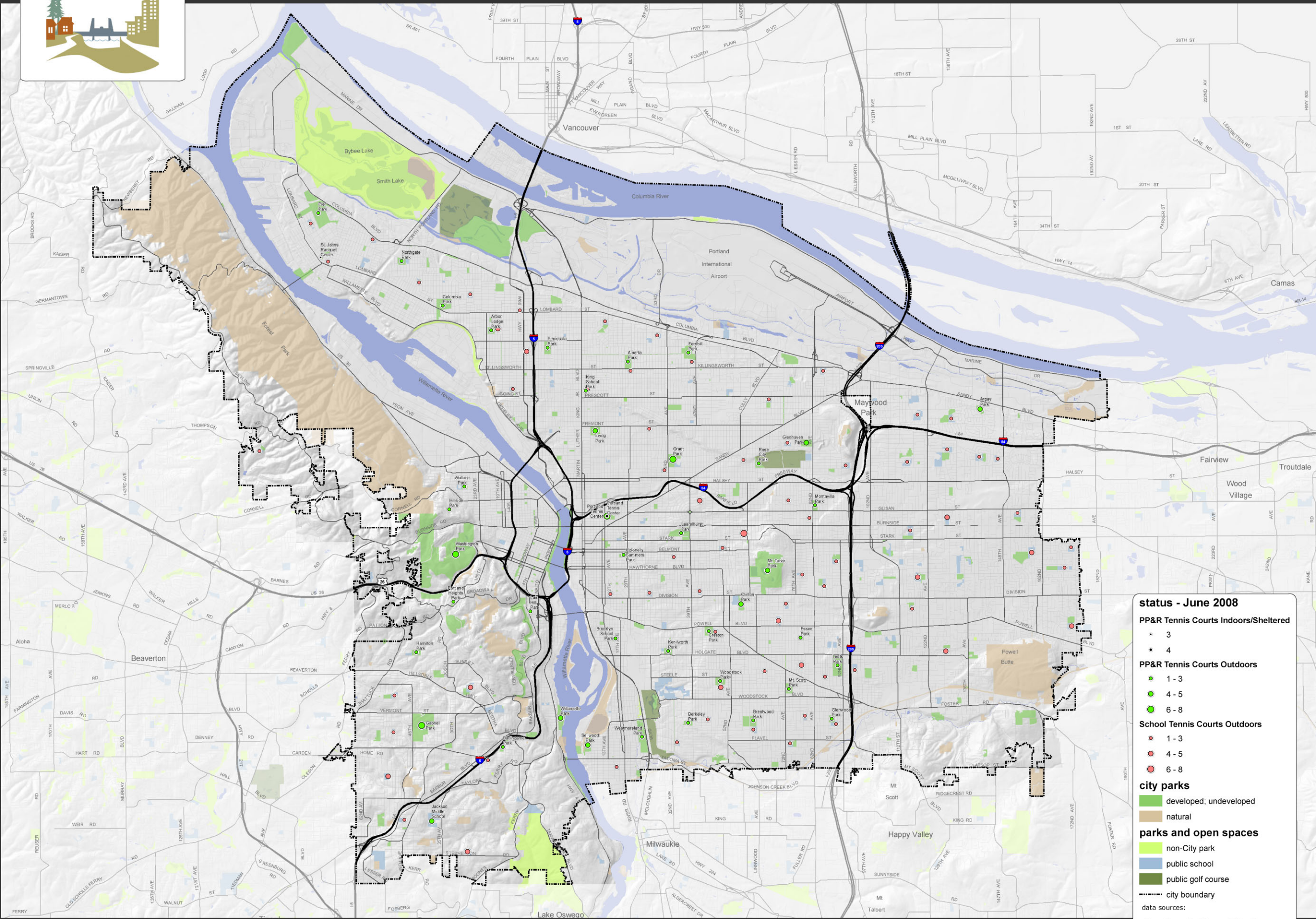
- developed; undeveloped
- natural

parks and open spaces

- non-City park
- public school
- public golf course

--- city boundary

data sources:
city parks and facilities maintained by Portland Parks & Rec (current June 2008).
Other parks from Metro parks & open space (May 2008)



status - June 2008

PP&R Tennis Courts Indoors/Sheltered

- 3
- 4

PP&R Tennis Courts Outdoors

- 1 - 3
- 4 - 5
- 6 - 8

School Tennis Courts Outdoors

- 1 - 3
- 4 - 5
- 6 - 8

city parks

- developed; undeveloped
- natural

parks and open spaces

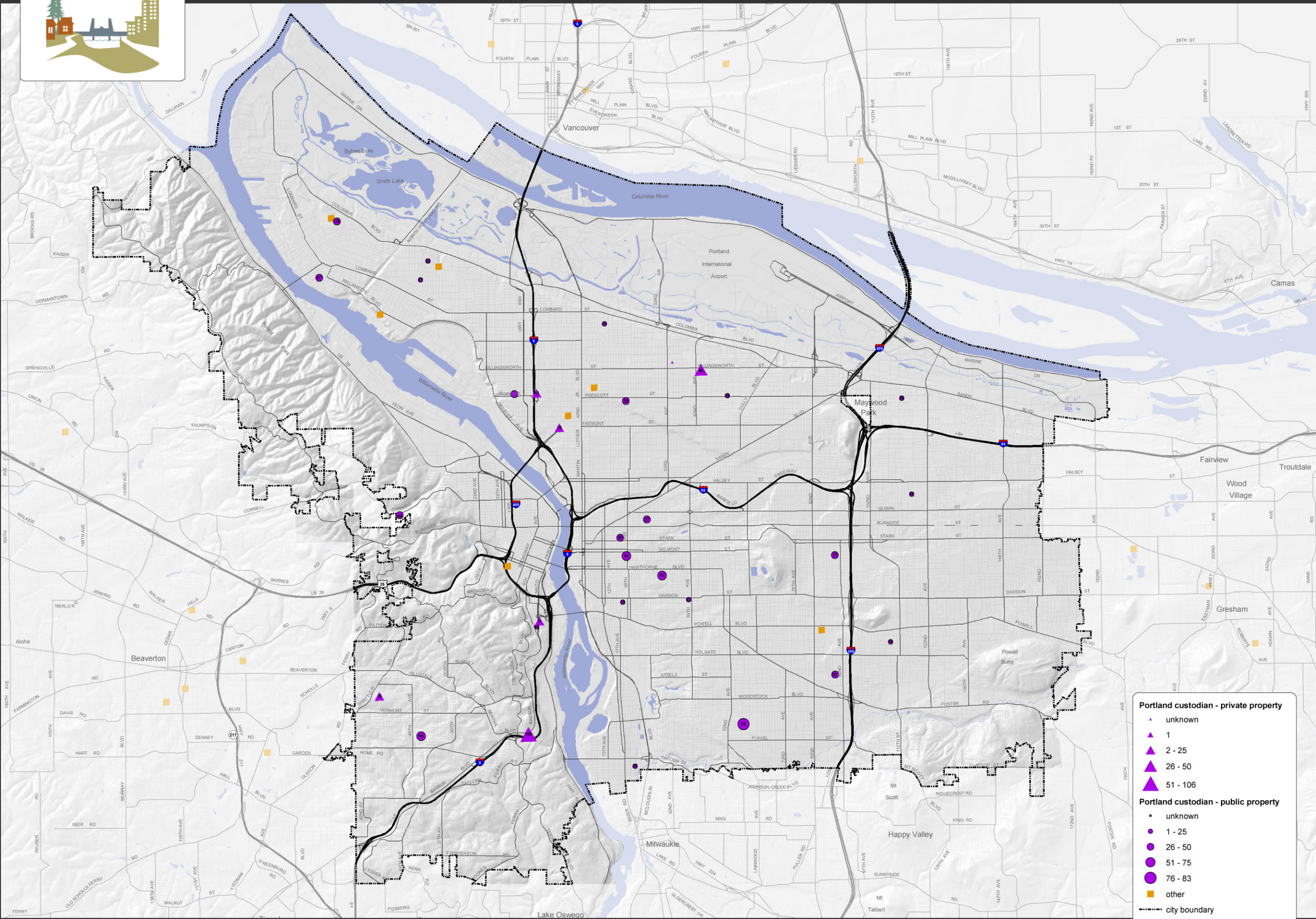
- non-City park
- public school
- public golf course

--- city boundary

data sources:

city parks and facilities maintained by Portland Parks & Rec (current June 2008). Other parks from Metro parks & open space (May 2008)





Portland custodian - private property

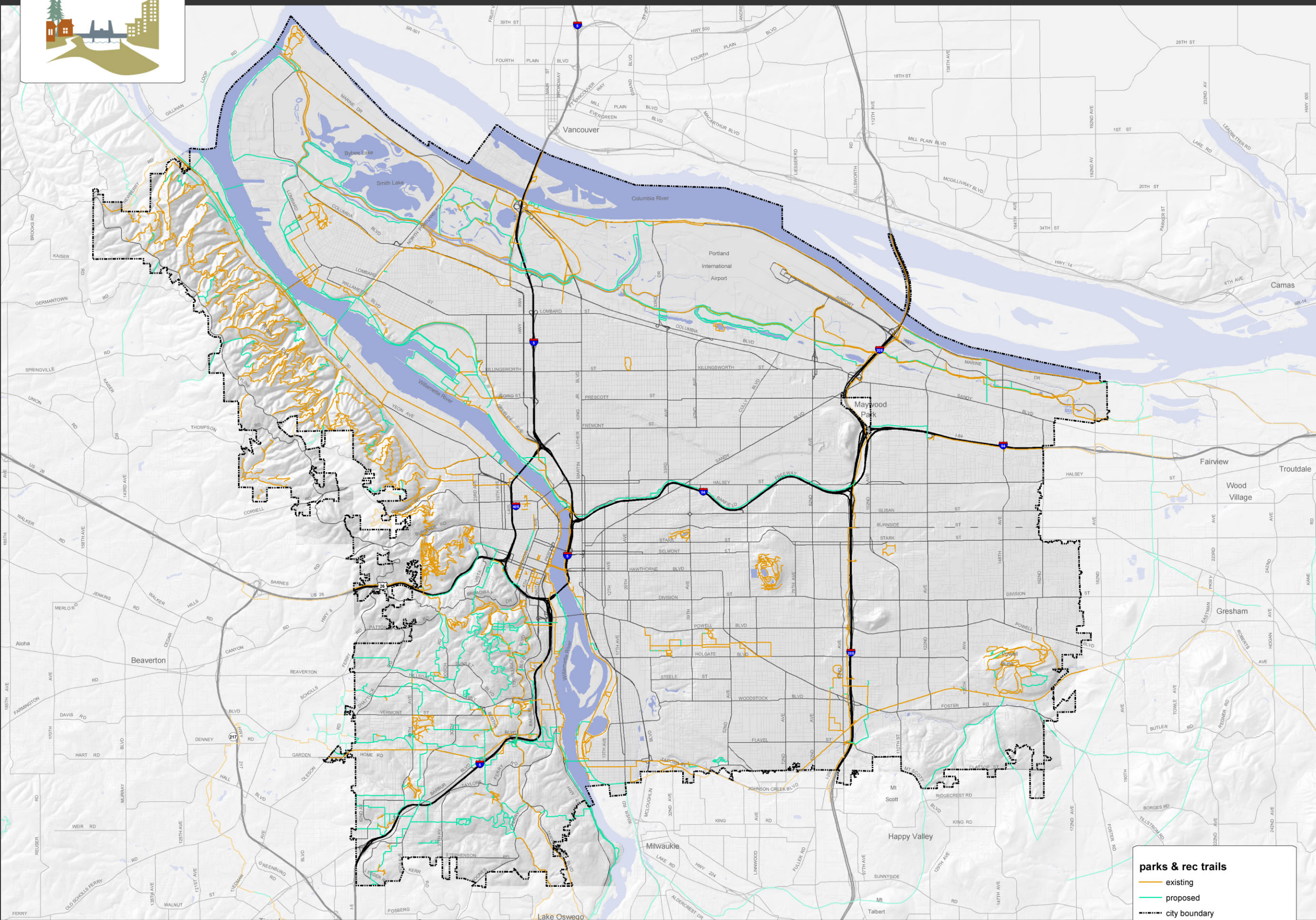
- unknown
- 1
- 2 - 25
- 26 - 50
- 51 - 106

Portland custodian - public property

- unknown
- 1 - 25
- 26 - 50
- 51 - 75
- 76 - 83
- other

city boundary



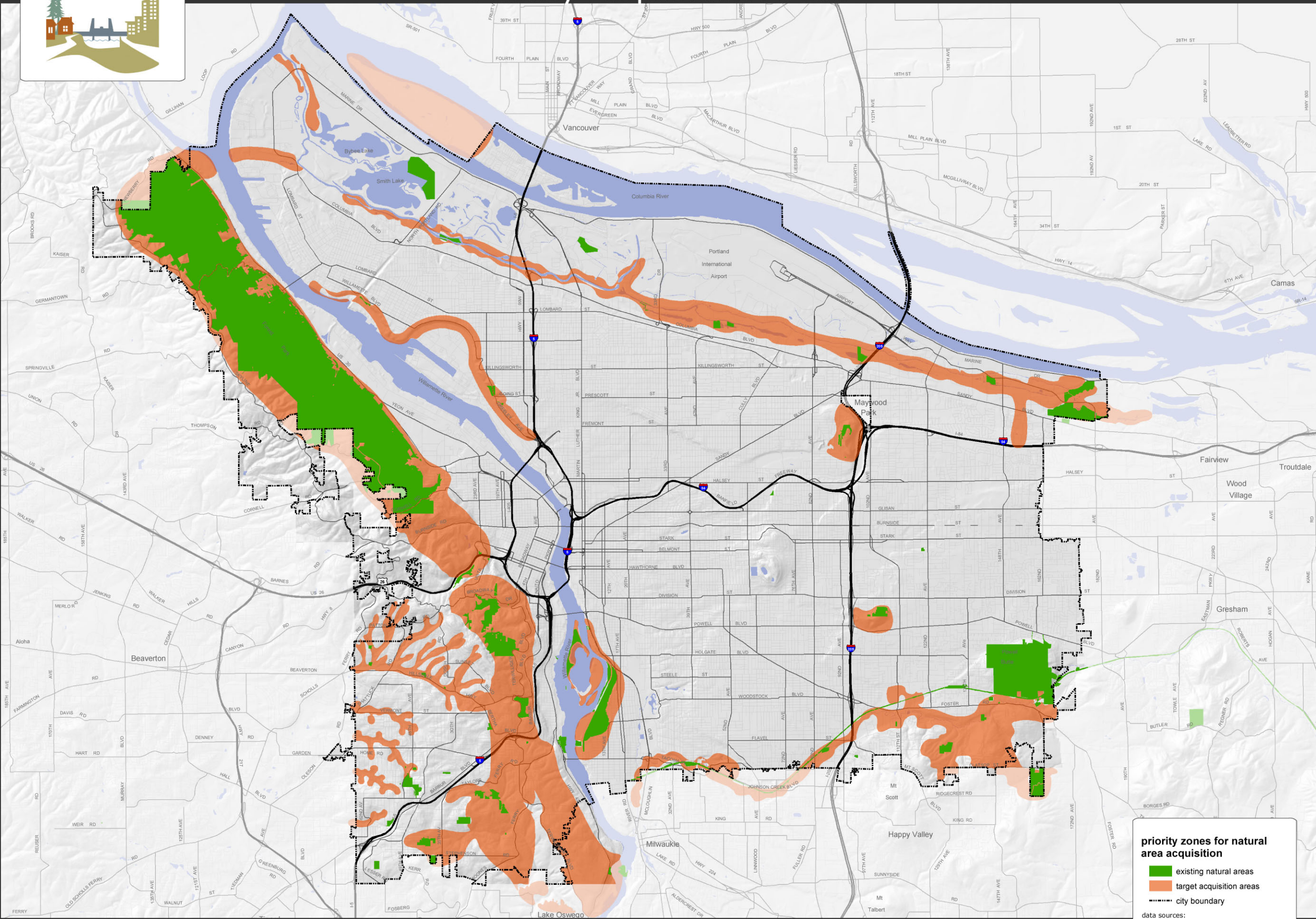


parks & rec trails

- existing
- proposed
- - - - city boundary

trails:
developed and maintained by Portland
Parks and Recreation. Updated June 2008.





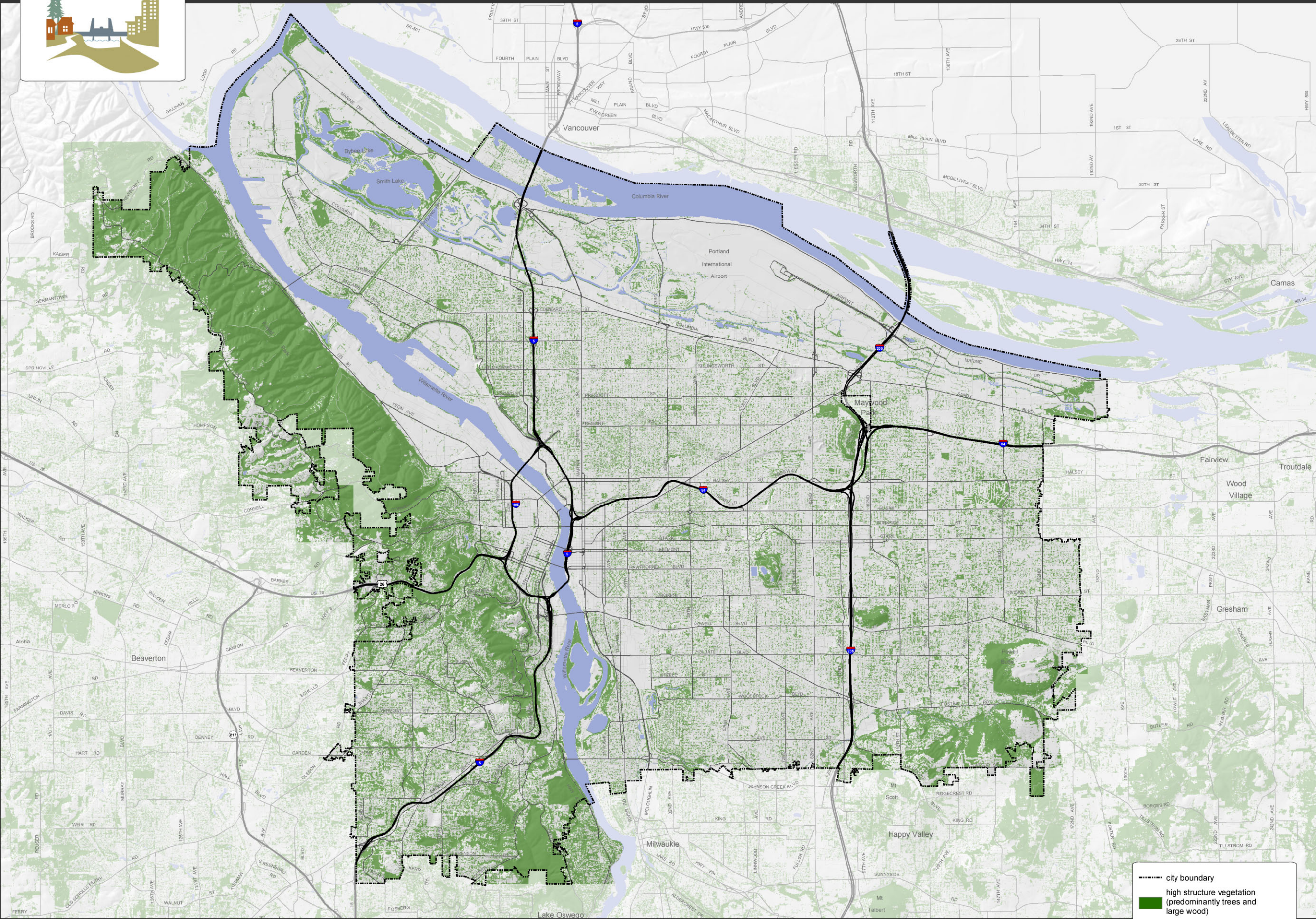
priority zones for natural area acquisition



- existing natural areas
- target acquisition areas
- - - - - city boundary

data sources:

Portland Parks & Rec (current June 2008).
Other parks from Metro parks & open space (May 2008)





-  city boundary
-  high structure vegetation (predominantly trees and large wood)

high structure vegetation:
developed by Metro using automated
methods from 2007 color infrared photos.

