

Shoreline Jurisdiction

Figure 1.1: Hoquiam

Date: 10/2/2014

-  Preliminary Shoreline Jurisdiction
-  Reaches
-  City Boundary
-  Associated NWI Wetland
-  Potentially Associated NWI Wetland
-  SMA Rivers
-  SMA Lakes
-  Highways

0 0.25 0.5 Miles

1:33,000

Area of interest in red



Source: Grays Harbor County, USFWS NWI (2011), FEMA Preliminary DFIRM (2013), WA DNR, WSDOT, DOE, NRCS NAIP (2013)

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Shoreline Jurisdiction

Figure 1.2: Aberdeen

Date: 10/2/2014

-  Preliminary Shoreline Jurisdiction
-  Reaches
-  City Boundary
-  Associated NWI Wetland
-  Potentially Associated NWI Wetland
-  SMA Rivers
-  SMA Lakes
-  Highways

0 0.25 0.5 Miles

1:27,000

Area of interest in red



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Shoreline Jurisdiction

Figure 1.3: Aberdeen

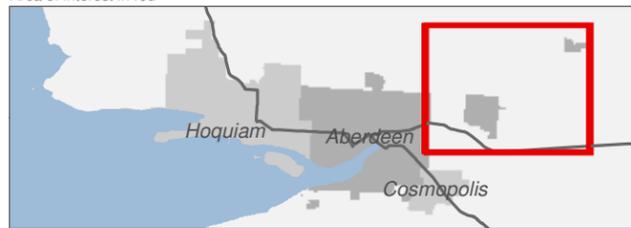
Date: 10/2/2014

-  Preliminary Shoreline Jurisdiction
-  Reaches
-  City Boundary
-  Associated NWI Wetland
-  Potentially Associated NWI Wetland
-  SMA Rivers
-  SMA Lakes
-  Highways

0 0.25 0.5 Miles

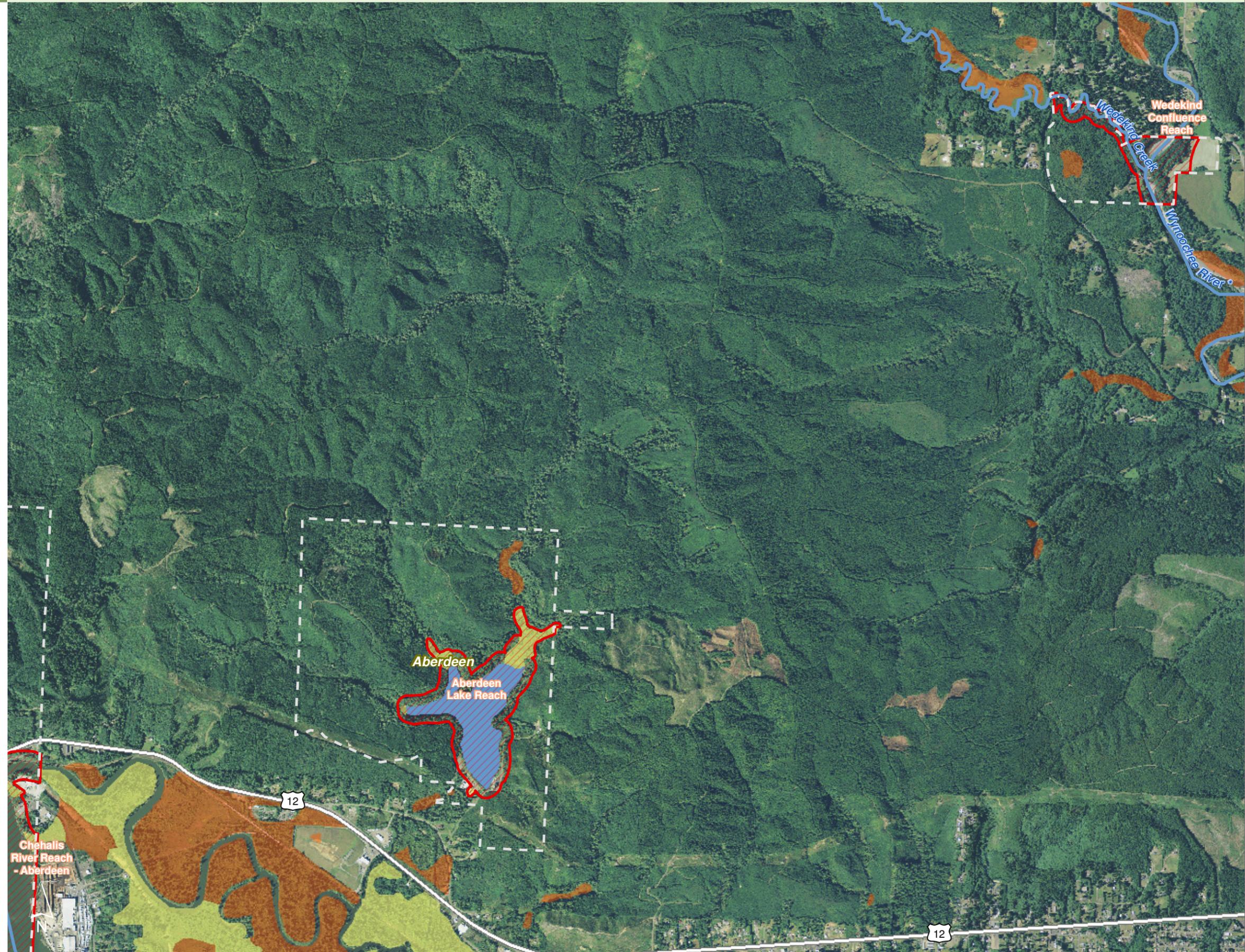
1:24,000

Area of interest in red



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Shoreline Jurisdiction

Figure 1.4: Cosmopolis

Date: 10/2/2014

-  Preliminary Shoreline Jurisdiction
-  Reaches
-  City Boundary
-  Associated NWI Wetland
-  Potentially Associated NWI Wetland
-  SMA Rivers
-  SMA Lakes
-  Highways

0 0.25 0.5 Miles

1:10,000

Area of interest in red



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Floodway, Floodplain, and Wetlands

Figure 2.1: Hoquiam

Date: 10/2/2014

-  Preliminary Shoreline Jurisdiction
-  City Boundary
- FEMA Preliminary DFIRM**
-  Floodway
-  100-Year Floodplain
- NWI Wetland by Type**
-  Estuarine and Marine Wetland
-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  SMA Rivers
-  SMA Lakes
-  Highways

0 0.25 0.5 Miles

1:33,000
Area of interest in red



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Floodway, Floodplain, and Wetlands

Figure 2.2: Aberdeen

Date: 10/2/2014

Preliminary Shoreline Jurisdiction

City Boundary

FEMA Preliminary DFIRM

Floodway

100-Year Floodplain

NWI Wetland by Type

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

SMA Rivers

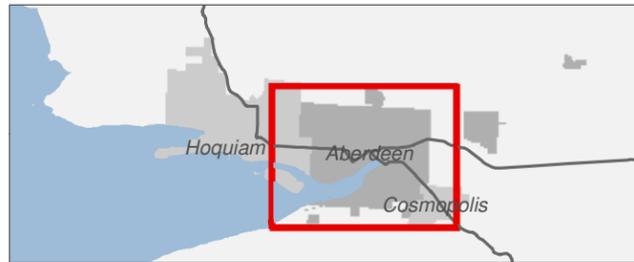
SMA Lakes

Highways

0 0.25 0.5 Miles

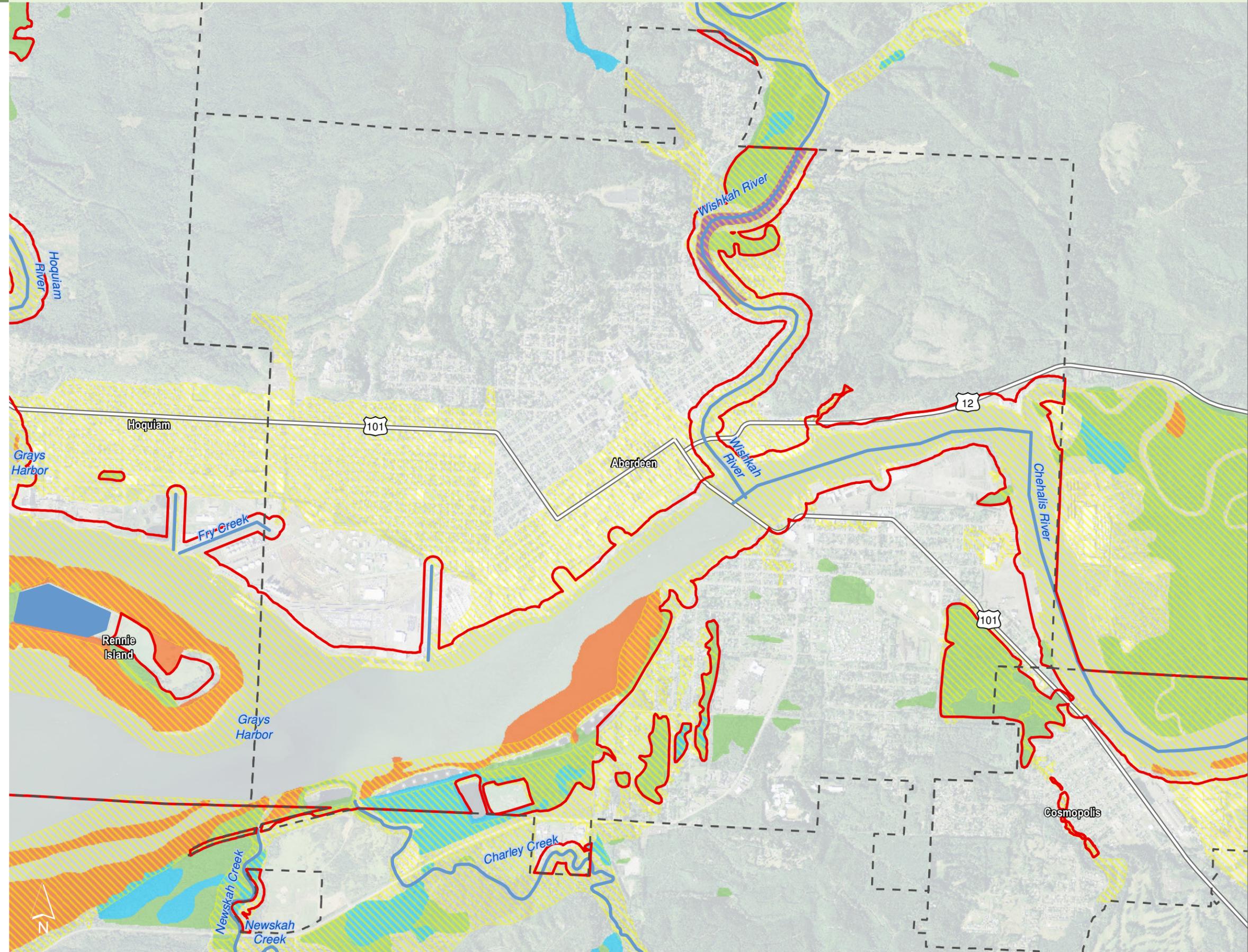
1:27,000

Area of interest in red



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Floodway, Floodplain, and Wetlands

Figure 2.3: Aberdeen

Date: 10/2/2014

Preliminary Shoreline Jurisdiction

City Boundary

FEMA Preliminary DFIRM

Floodway

100-Year Floodplain

NWI Wetland by Type

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

SMA Rivers

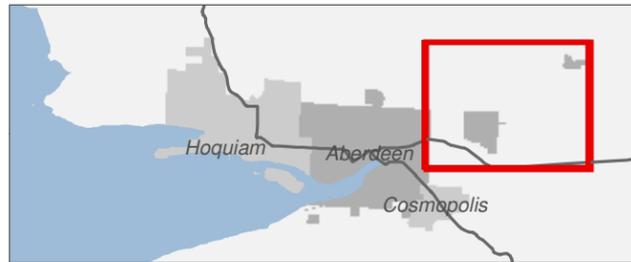
SMA Lakes

Highways

0 0.25 0.5 Miles

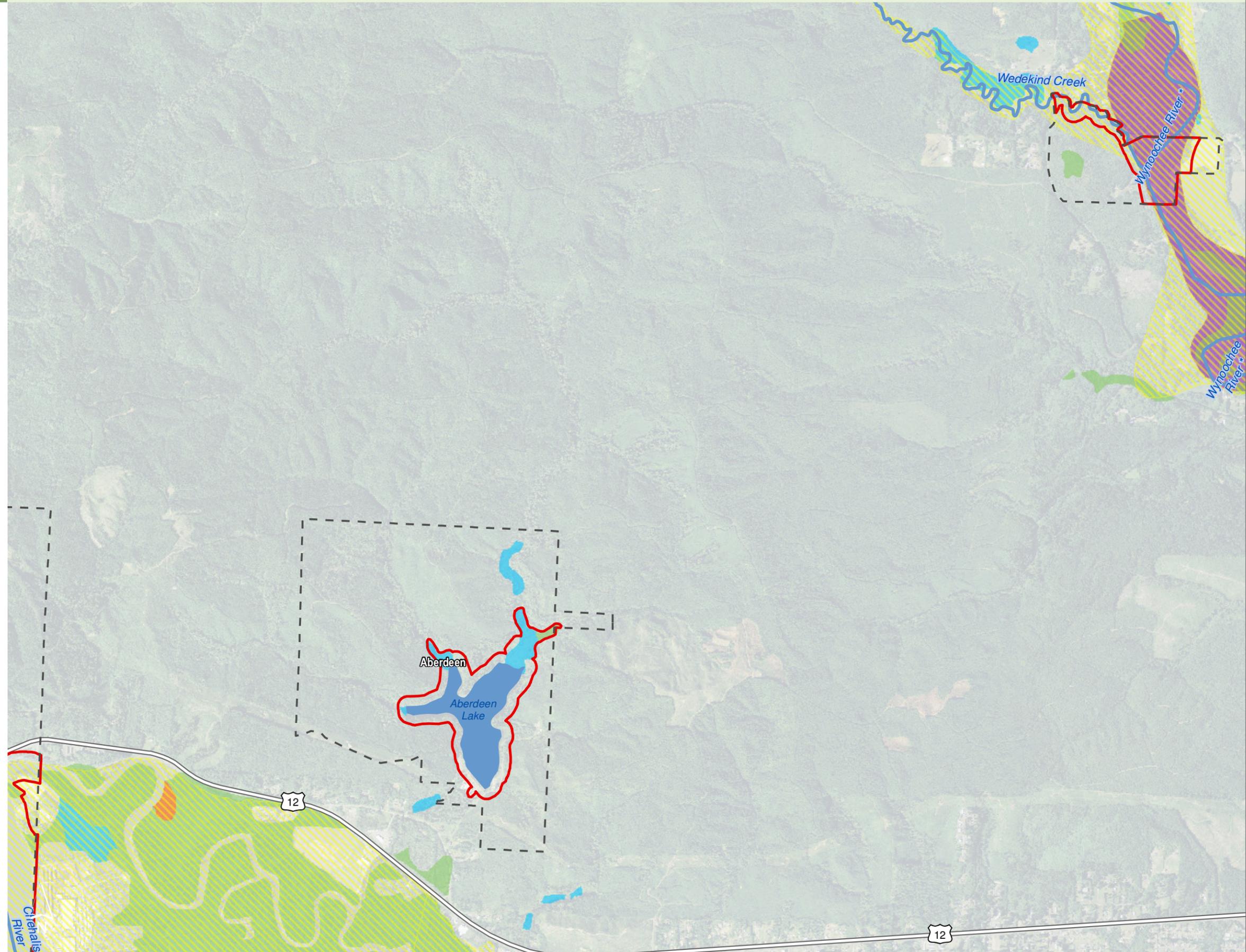
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Area of interest in red



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Floodway, Floodplain, and Wetlands

Figure 2.4: Cosmopolis

Date: 10/2/2014

-  Preliminary Shoreline Jurisdiction
-  City Boundary
- FEMA Preliminary DFIRM**
-  Floodway
-  100-Year Floodplain
- NWI Wetland by Type**
-  Estuarine and Marine Wetland
-  Freshwater Forested/Shrub Wetland
-  SMA Rivers
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-  Highways

0 0.25 0.5 Miles



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Soils

Figure 3.1: Hoquiam

Date: 10/2/2014

Preliminary Shoreline Jurisdiction

Reaches

City Boundary

SMA Rivers

SMA Lakes

Highways

Other Soils

- Calawah silt loam
- Copalis silt loam
- Elochoman silt loam
- Hoquiam silt loam
- Katula very cobbly loam
- Le Bar silt loam
- Montesa silt loam
- Mopang silt loam
- Satsop silt loam
- Skamo silt loam
- Udorthents, level
- Zenker silt loam

Hydic Soils

- Elochoman silt loam
- Fluvaquents, tidal
- Grehalem silt loam
- Lytell silt loam
- Ocosta silty clay loam
- Orcas peat
- Pits, quarries
- Rennie silty clay loam
- Wishkah silty clay loam
- Water

0 0.25 0.5

Miles

1:33,000

Area of interest in red



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Soils

Figure 3.2: Aberdeen

Date: 10/2/2014

-  Preliminary Shoreline Jurisdiction
-  Reaches
-  City Boundary
-  SMA Rivers
-  SMA Lakes
-  Highways

- | Other Soils | Hydric Soils |
|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
|  Calawah silt loam |  Aabab silt loam |
|  Elochoman silt loam |  Astoria silt loam |
|  Hoquiam silt loam |  Elochoman silt loam |
|  Ilwaco silt loam |  Fluvaquents, tidal |
|  Lytell silt loam |  Lytell silt loam |
|  Montesa silt loam |  Ocosta silty clay loam |
|  Mopang silt loam |  Orcas peat |
|  Narel silt loam |  Pits, gravel |
|  Skamo silt loam |  Rennie silty clay loam |
|  Udorthents, level |  Seastrand mucky peat |
|  Zenker silt loam |  Water |

0 0.25 0.5
Miles

1:27,000
Area of interest in red



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Soils

Figure 3.3: Aberdeen

Date: 10/2/2014

-  Preliminary Shoreline Jurisdiction
-  Reaches
-  City Boundary
-  SMA Rivers
-  SMA Lakes
-  Highways

- | Other Soils | Hydric Soils |
|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
|  Copalis silt loam |  Astoria silt loam |
|  Elochoman silt loam |  Chehalis silt loam |
|  Hoquiam silt loam |  Copalis silt loam |
|  Juno sandy loam |  Elochoman silt loam |
|  Le Bar silt loam |  Grehalem silt loam |
|  Lyre very gravelly loamy sand |  Lytell silt loam |
|  Lytell silt loam |  Nemah silty clay loam |
|  Skamo silt loam |  Ocosta silty clay loam |
|  Udorthents, level |  Orcas peat |
|  Zenker silt loam |  Pits, gravel |
| |  Rennie silty clay loam |
| |  Riverwash |
| |  Salzer silty clay |
| |  Wishkah silty clay loam |
| |  Water |

0 0.25 0.5
Miles



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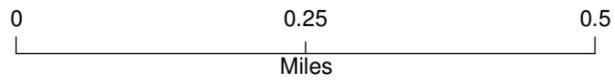


Soils

Figure 3.4: Cosmopolis

Date: 10/2/2014

-  Preliminary Shoreline Jurisdiction
 -  Reaches
 -  City Boundary
 -  SMA Rivers
 -  SMA Lakes
 -  Highways
- | Other Soils | Hydric Soils |
|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
|  Calawah silt loam |  Fluvaquents, tidal |
|  Ilwaco silt loam |  Ocosta silty clay loam |
|  Mopang silt loam |  Orcas peat |
|  Narel silt loam |  Palix silt loam |
|  Udorthents, level |  Pits, gravel |
| |  Water |



Source: Grays Harbor County, USFWS NWI (2011), FEMA Preliminary DFIRM (2013), DNR, WSDOT, Ecology, NRCS NAIP

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Land Cover

Figure 4.1: Hoquiam

Date: 10/2/2014

-  Preliminary Shoreline Jurisdiction
 -  Reaches
 -  City Boundary
 -  SMA Rivers
 -  SMA Lakes
 -  Highway
-
- Land Cover**
- | | |
|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
|  Open Water |  Undeveloped Land |
|  Developed, Open Space |  Deciduous Forest |
|  Developed, Low Intensity |  Evergreen Forest |
|  Developed, Medium Intensity |  Mixed Forest |
|  Developed, High Intensity |  Shrub/Scrub |
| |  Herbaceous |
| |  Woody Wetlands |
| |  Emergent Herbaceous Wetlands |

0 0.25 0.5 Miles

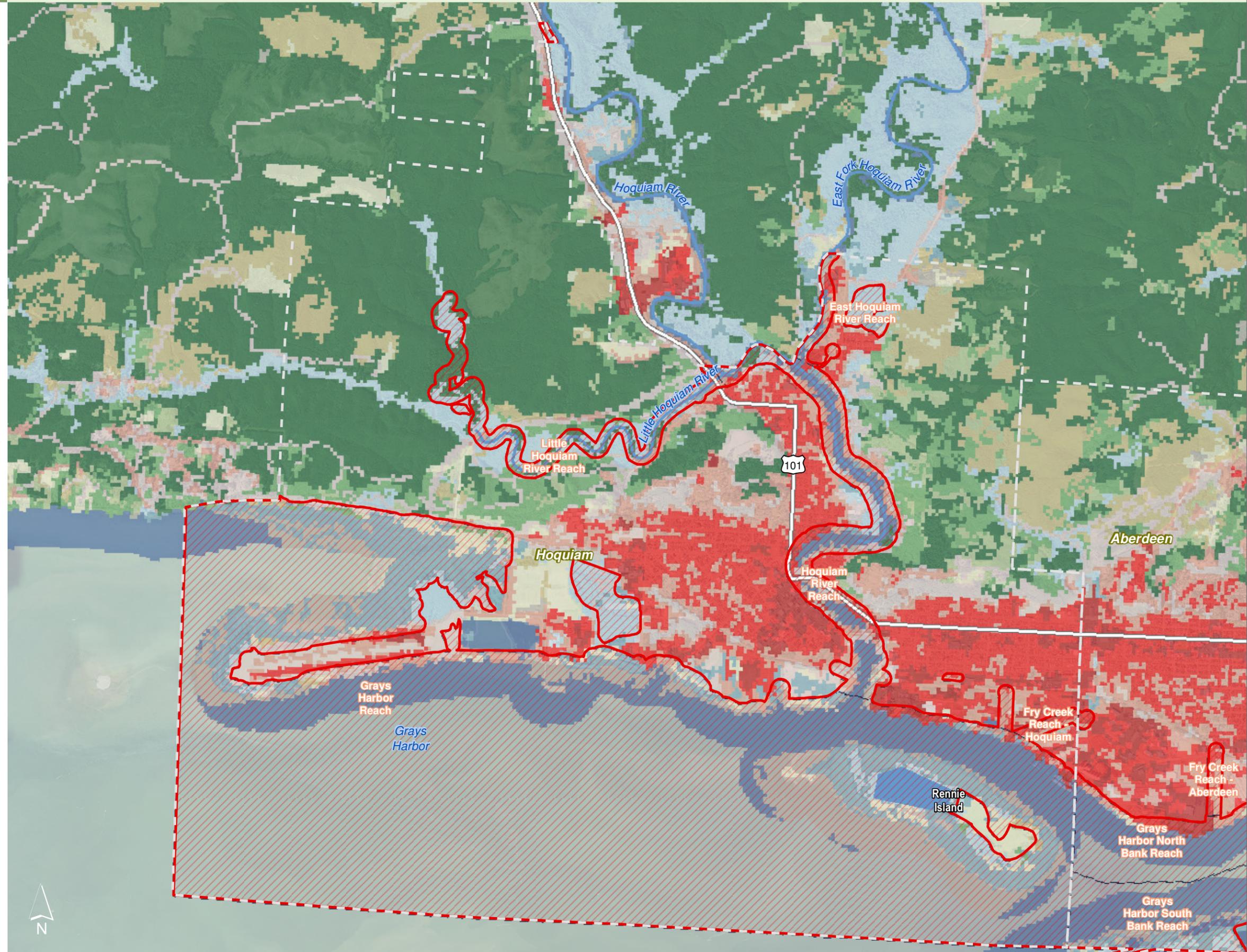
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Area of interest in red



Source: USGS NLCD (2006), Grays Harbor Co., GHCG, USFWS NWI, FEMA, WA DNR, WSDOT, DOE, NRCS NAIP

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Land Cover

Figure 4.2: Aberdeen

Date: 10/2/2014

-  Preliminary Shoreline Jurisdiction
 -  Reaches
 -  City Boundary
 -  SMA Rivers
 -  SMA Lakes
 -  Highway
-
- Land Cover**
- | | |
|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|  Open Water |  Deciduous Forest |
|  Developed, Open Space |  Evergreen Forest |
|  Developed, Low Intensity |  Mixed Forest |
|  Developed, Medium Intensity |  Shrub/Scrub |
|  Developed, High Intensity |  Herbaceous |
|  Undeveloped Land |  Hay/Pasture |
| |  Woody Wetlands |
| |  Emergent Herbaceous Wetlands |

0 0.25 0.5 Miles

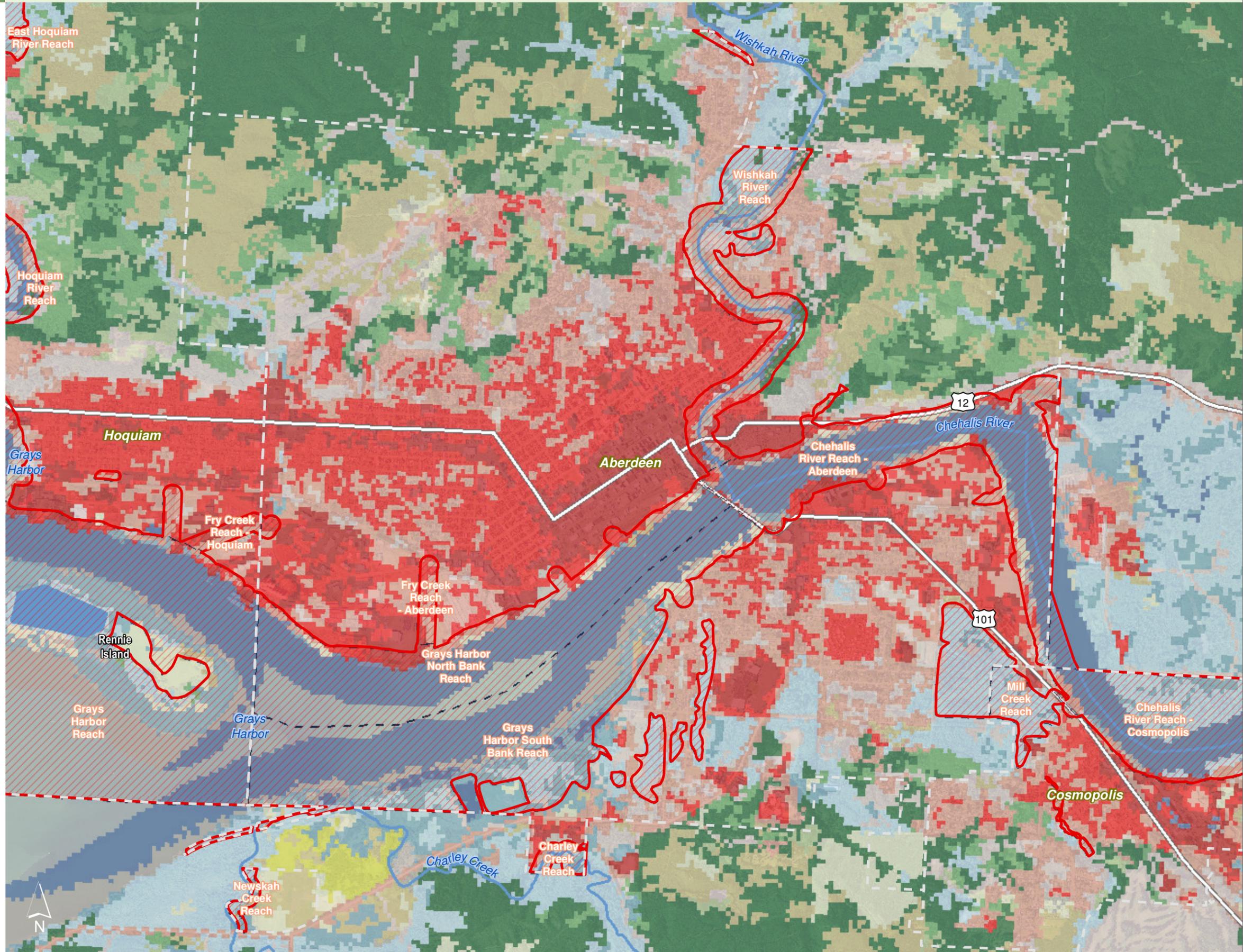
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Area of interest in red



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Land Cover

Figure 4.3: Aberdeen

Date: 10/2/2014

-  Preliminary Shoreline Jurisdiction
 -  Reaches
 -  City Boundary
 -  SMA Rivers
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- | | |
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|  Undeveloped Land |  Hay/Pasture |
| |  Woody Wetlands |
| |  Emergent Herbaceous Wetlands |

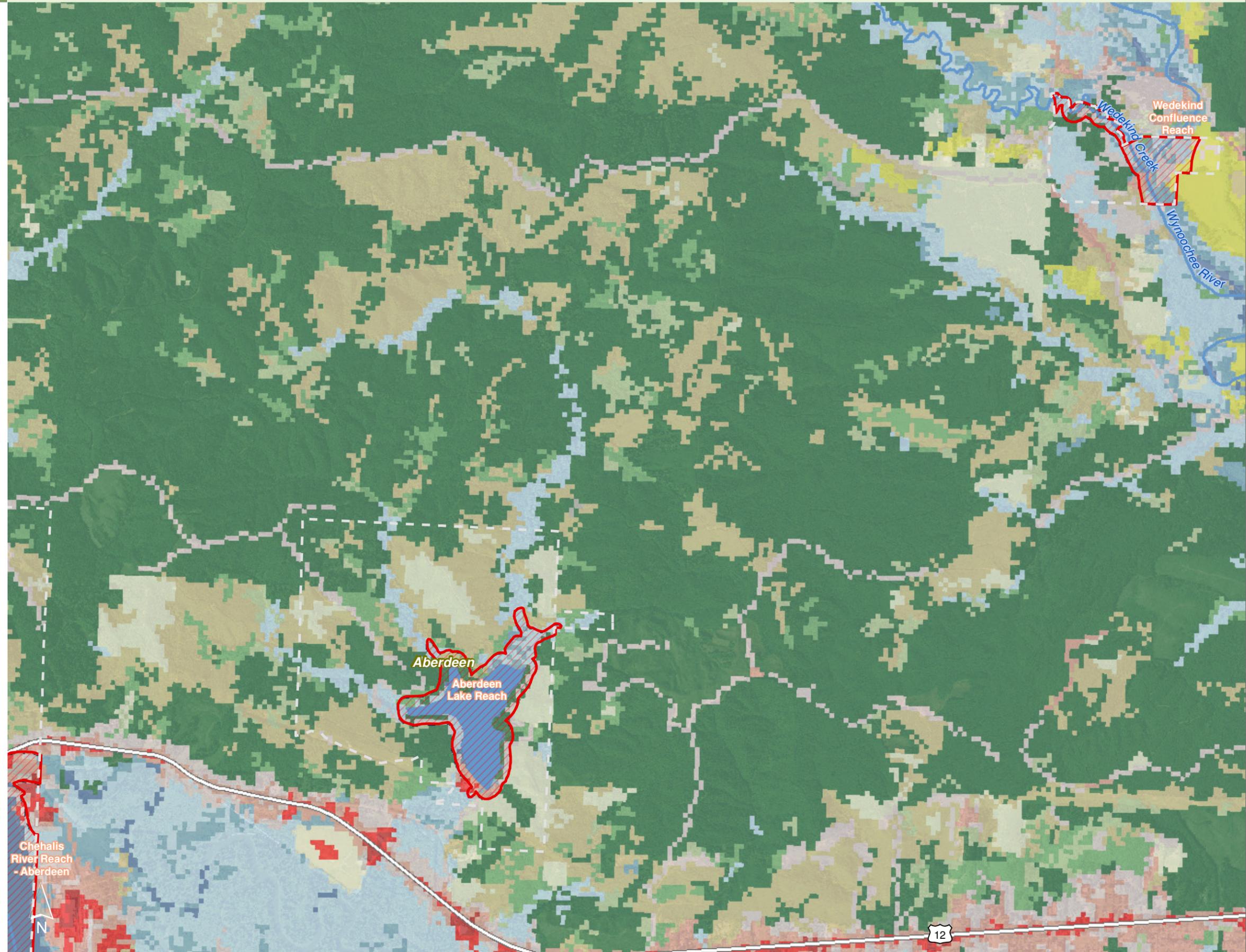
0 0.25 0.5 Miles

1:24,000
Area of interest in red



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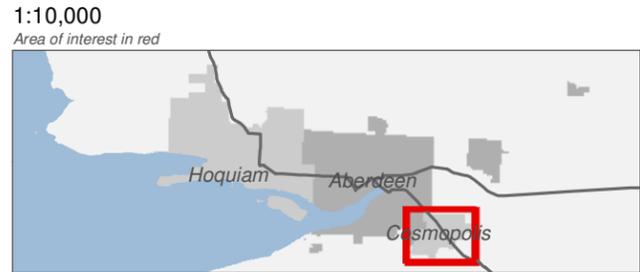
Land Cover

Figure 4.4: Cosmopolis

Date: 10/2/2014

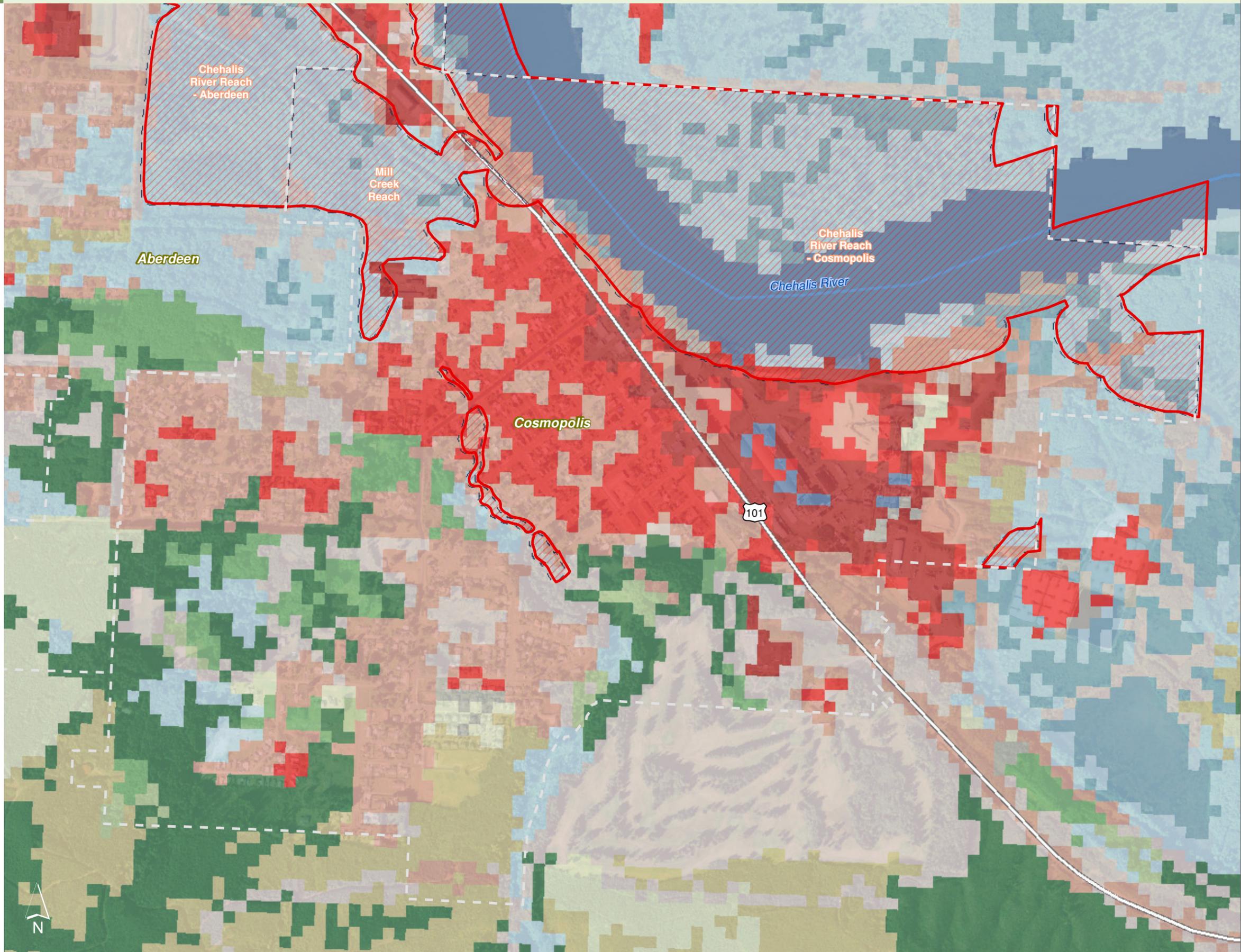
-  Preliminary Shoreline Jurisdiction
 -  Reaches
 -  City Boundary
 -  SMA Rivers
 -  SMA Lakes
 -  Highway
-
- Land Cover**
- | | |
|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|  Open Water |  Undeveloped Land |
|  Developed, Open Space |  Deciduous Forest |
|  Developed, Low Intensity |  Evergreen Forest |
|  Developed, Medium Intensity |  Mixed Forest |
|  Developed, High Intensity |  Shrub/Scrub |
| |  Herbaceous |
| |  Woody Wetlands |
| |  Emergent Herbaceous Wetlands |

0 0.25 0.5 Miles



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Shoreline Modification

Figure 5.1: Hoquiam

Date: 10/2/2014

Shoreline Modified

-  Armored
-  Over Water Structure
-  Levees
-  Dams
-  Preliminary Shoreline Jurisdiction
-  Reaches
-  City Boundary
-  SMA Rivers
-  SMA Lakes
-  Highways

0 0.25 0.5 Miles

1:33,000

Area of interest in red



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Shoreline Modification

Figure 5.2: Aberdeen

Date: 10/2/2014

Shoreline Modified

-  Armored
-  Over Water Structure
-  Levees
-  Dams
-  Preliminary Shoreline Jurisdiction
-  Reaches
-  City Boundary
-  SMA Rivers
-  SMA Lakes
-  Highways

0 0.25 0.5 Miles

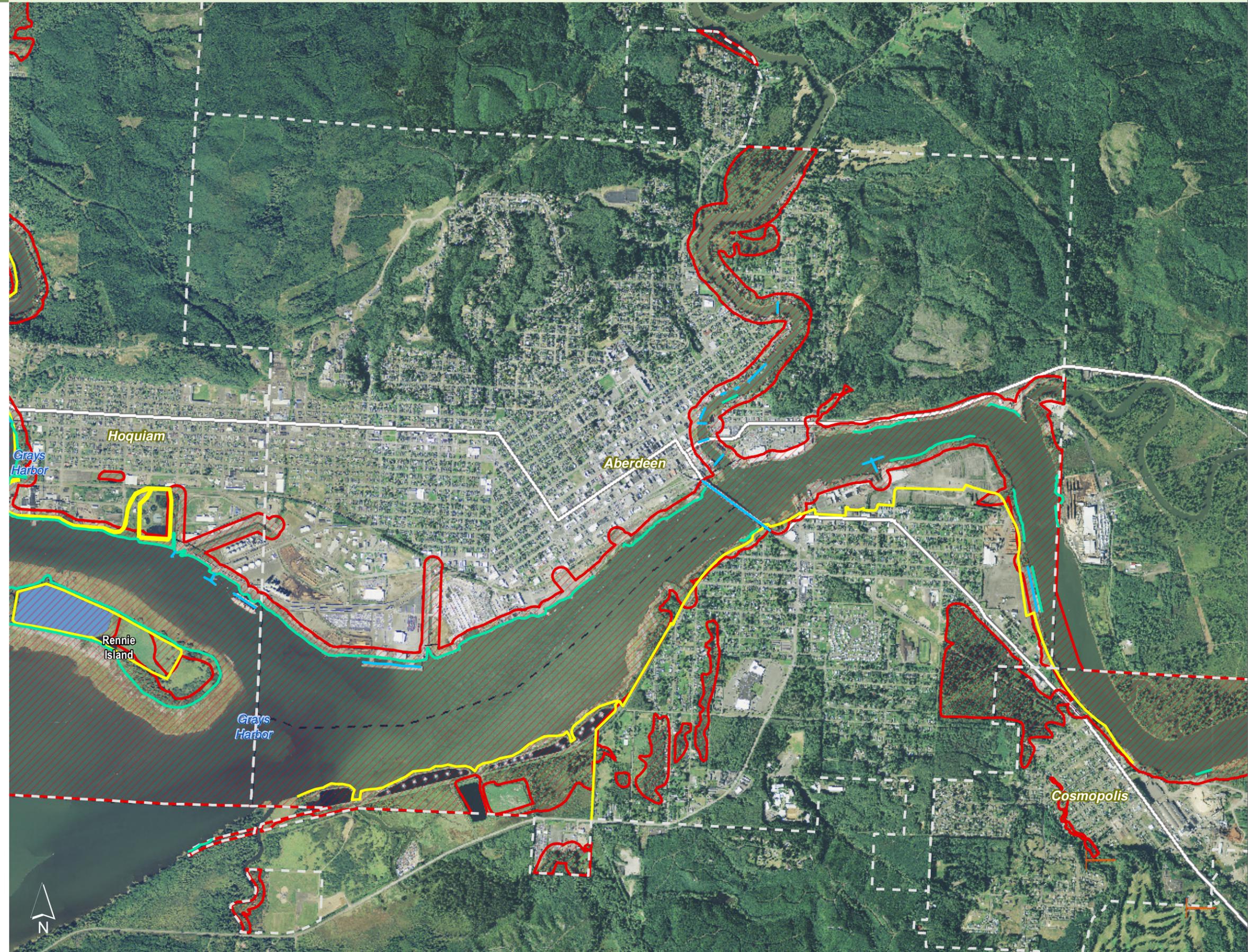
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Shoreline Modification

Figure 5.3: Aberdeen

Date: 10/2/2014

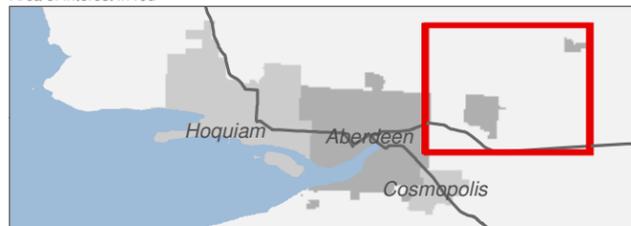
Shoreline Modified

-  Armored
-  Over Water Structure
-  Levees
-  Dams
-  Preliminary Shoreline Jurisdiction
-  Reaches
-  City Boundary
-  SMA Rivers
-  SMA Lakes
-  Highways

0 0.25 0.5 Miles

1:24,000

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Shoreline Modified

-  Armored
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-  Levees
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0 0.25 0.5 Miles

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