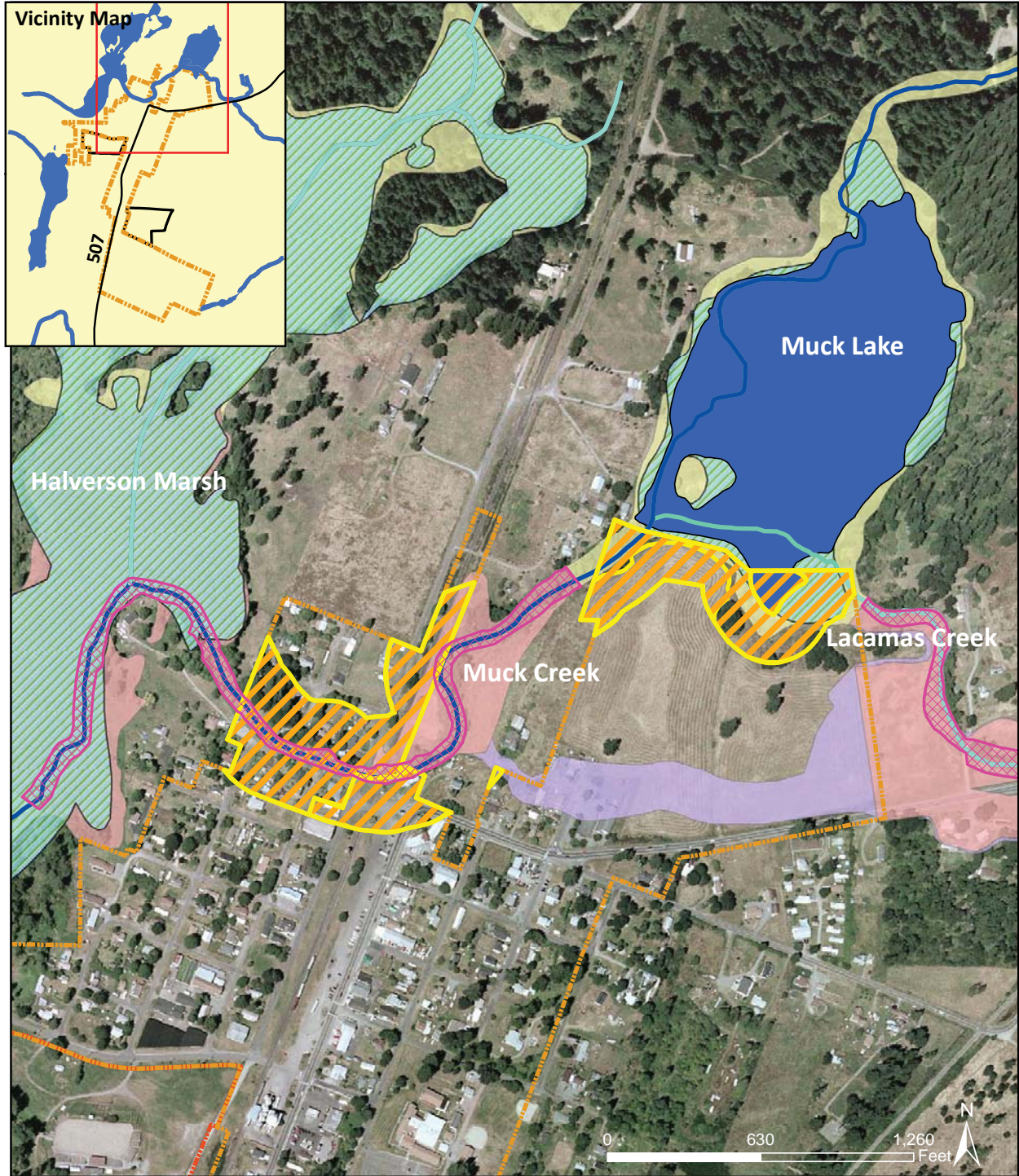














Roy Shoreline Master Program Muck Lake and Muck Creek

Figure 5b
Floodway & Flood Hazard Zones
(Detail)



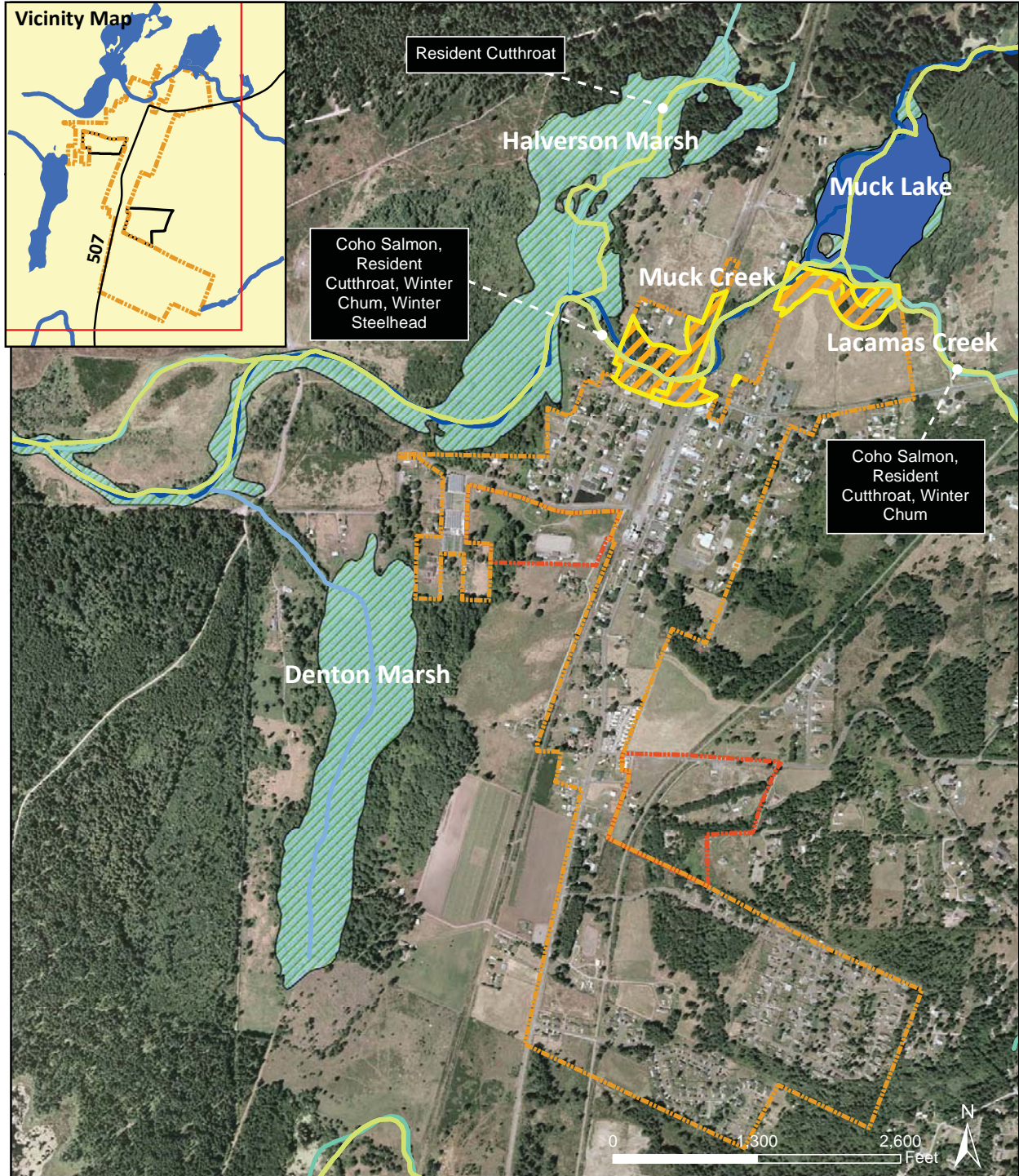
Legend

- | | |
|---|--|
|  Proposed SMP Boundary |  Floodway |
|  City Limits |  0.2% Annual Chance Flood Hazard |
|  Urban Growth Area |  Zone AE (Areas where base flood elevations have been determined) |
|  Creeks |  Zone A - 1% Annual Chance Flood Hazard (Areas where base floodplain elevations have not been determined) |
|  Shoreline (Creek) in SMP Jurisdiction | |
|  Hydraulic Connection | |
|  Water in SMP Jurisdiction | |
|  Wetland in SMP Jurisdiction | |










Aerial Photo: 2005 Aerials Express
Data Sources: Pierce County GIS & SMA Boundary derived by AHBL from existing data sources.
Disclaimer:
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**Figure 6
Fish Distribution**



Legend

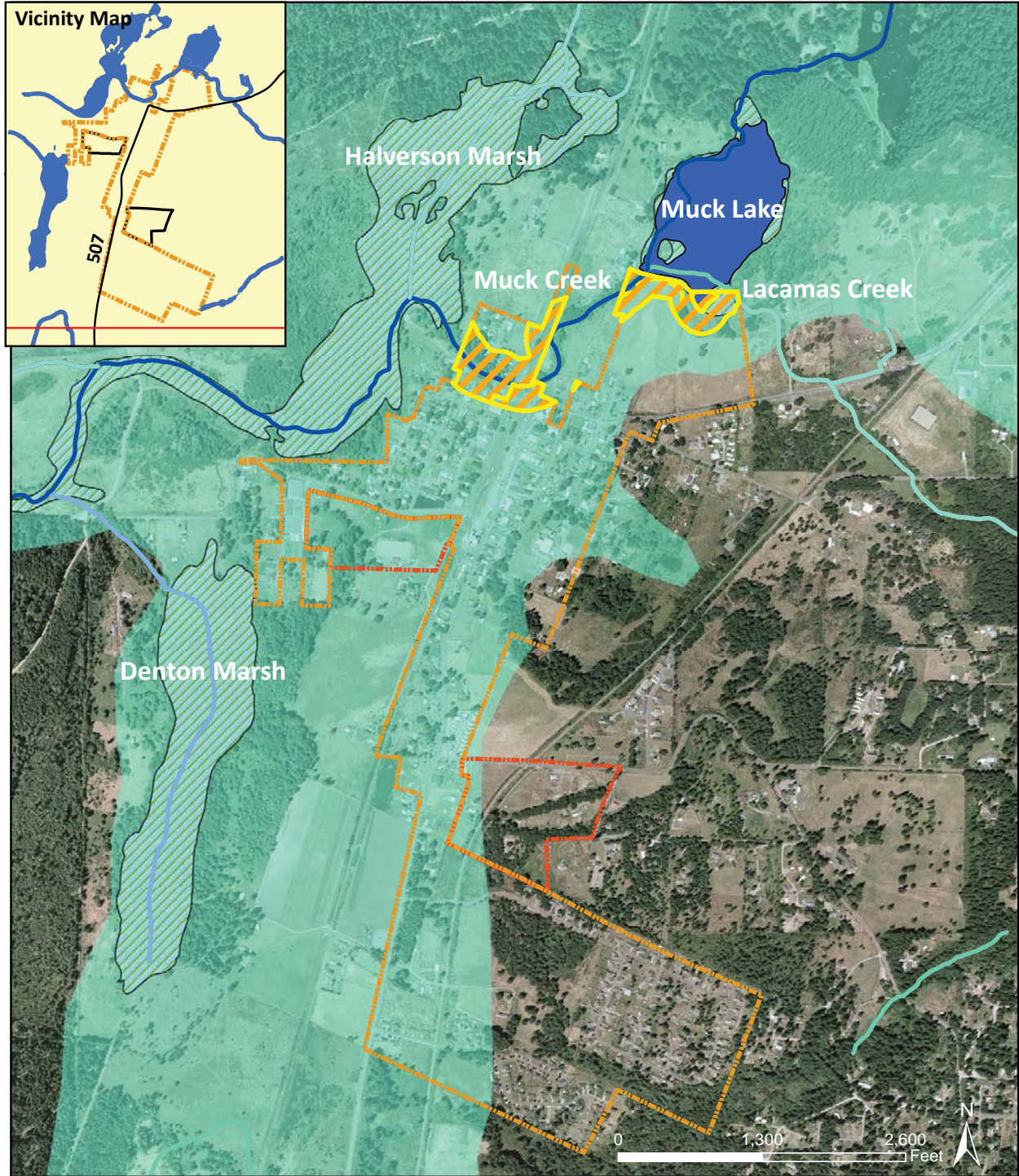
-  Proposed SMP Boundary
-  City Limits
-  Urban Growth Area
-  Creeks
-  Shoreline (Creek) in SMP Jurisdiction
-  Hydraulic Connection
-  Water in SMP Jurisdiction
-  Wetland in SMP Jurisdiction
-  Fish Distribution

Aerial Photo: 2005 Aerials Express
Data Sources: Pierce County GIS, WDFW Priority Habitats and Species Digital Data, & SMA Boundary derived by AHBL from existing data sources.










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Figure 7
Aquifer Recharge Area



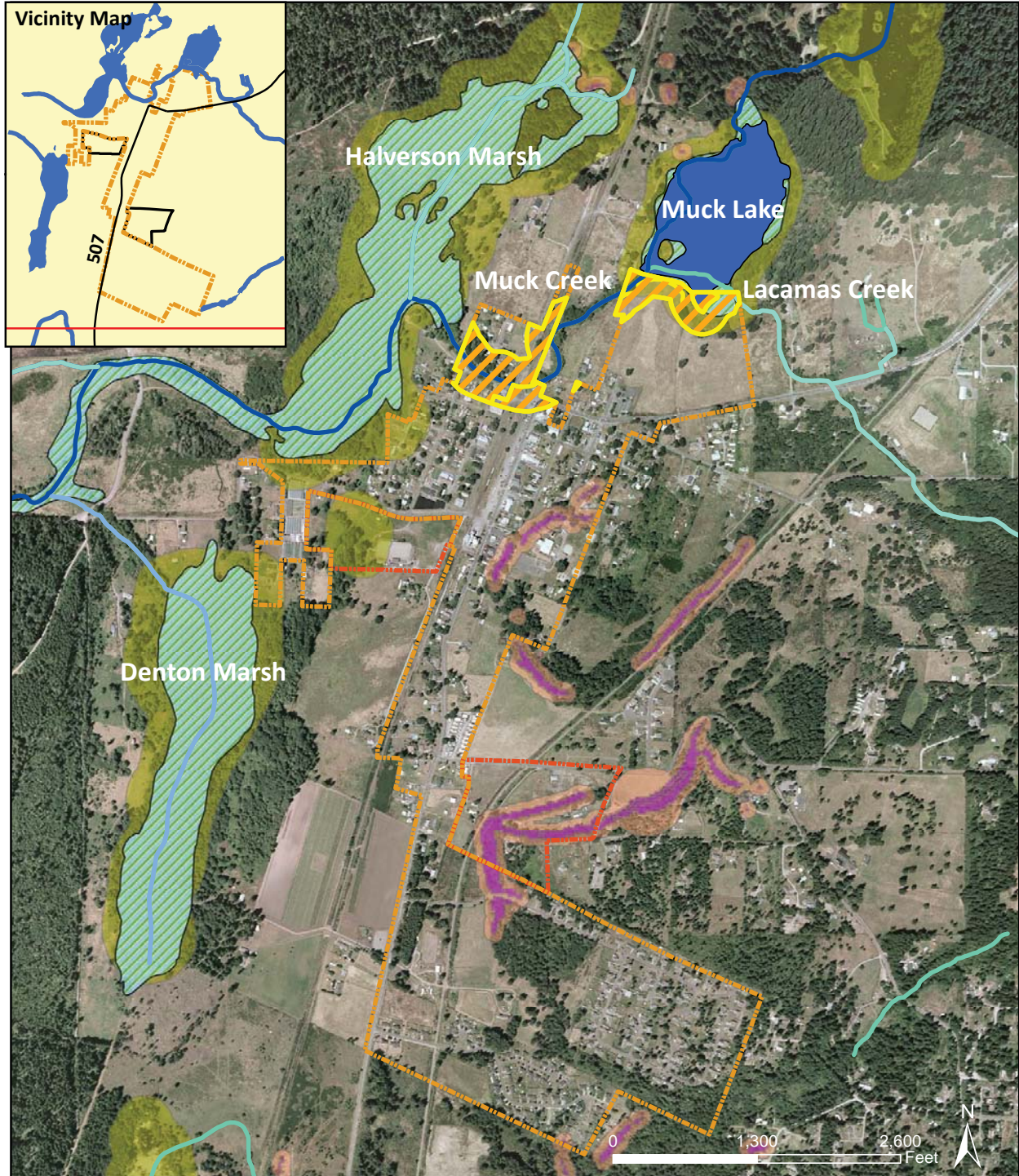
Legend

-  Proposed SMP Boundary
-  City Limits
-  Urban Growth Area
-  Creeks
-  Shoreline (Creek) in SMP Jurisdiction
-  Hydraulic Connection
-  Water in SMP Jurisdiction
-  Wetland in SMP Jurisdiction
-  Aquifer Recharge Area








Aerial Photo: 2005 Aerials Express
 Data Sources: Pierce County GIS & SMA Boundary derived by AHBL from existing data sources.
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Figure 8
Steep Slopes, Potential Erosion & Landslide Hazard Areas



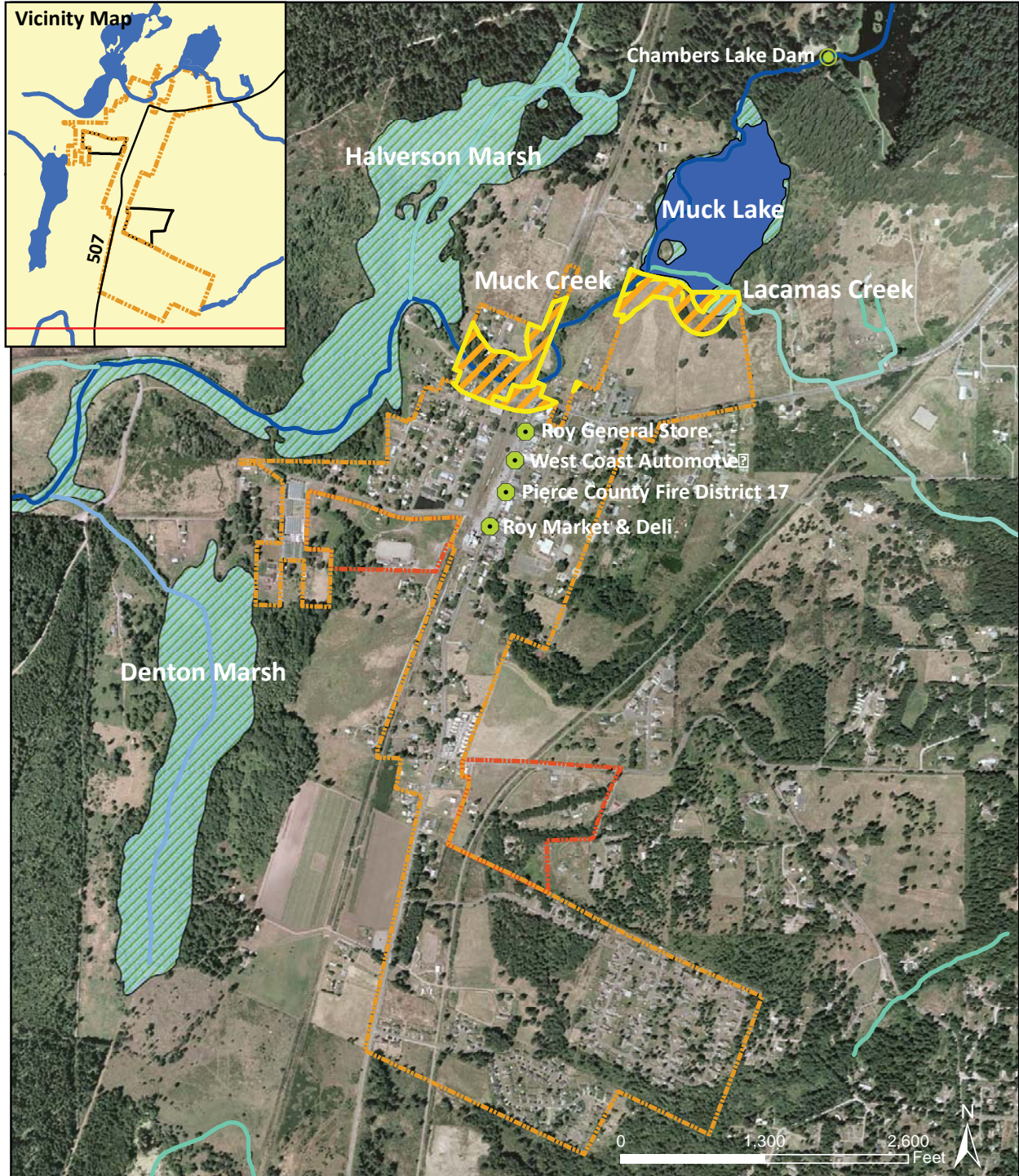
Legend

-  Proposed SMP Boundary
-  City Limits
-  Urban Growth Area
-  Creeks
-  Shoreline (Creek) in SMP Jurisdiction
-  Hydraulic Connection
-  Water in SMP Jurisdiction
-  Wetland in SMP Jurisdiction
-  Steep Slopes (20-40%)
-  Potential Slide Hazard
-  Potential Freshwater Erosion Hazard Area











Aerial Photo: 2005 Aerials Express
 Data Sources: Pierce County GIS & SMA Boundary derived by AHBL from existing data sources.
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Figure 9
State Facilities & Clean-Up Sites



Legend

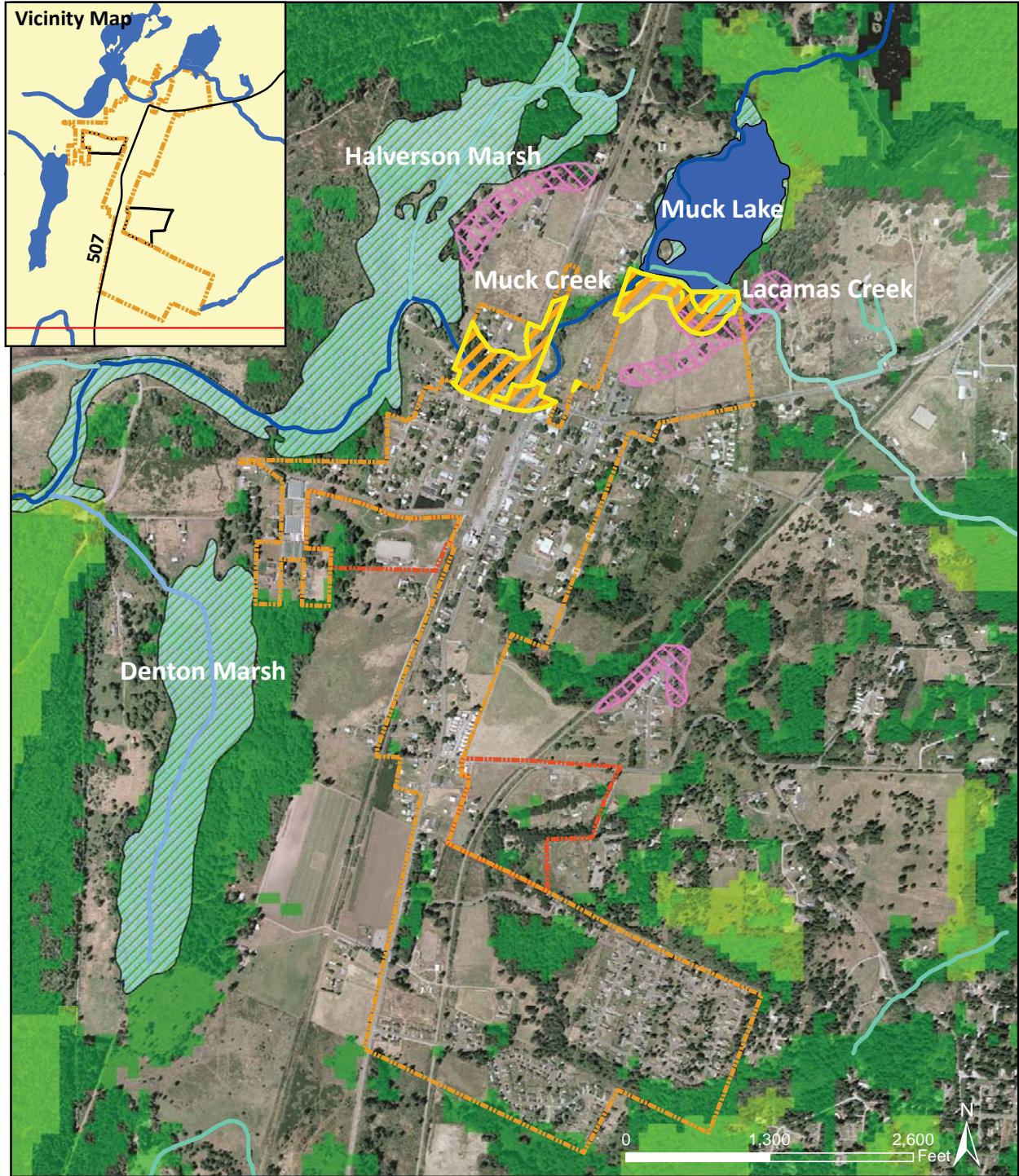
-  Proposed SMP Boundary
-  City Limits
-  Urban Growth Area
-  Creeks
-  Shoreline (Creek) in SMP Jurisdiction
-  Hydraulic Connection
-  Water in SMP Jurisdiction
-  Wetland in SMP Jurisdiction
-  Dam Site
-  Underground Storage Tank

Aerial Photo: 2005 Aerials Express
Data Sources: Pierce County GIS, Department of Ecology & SMA Boundary derived by AHBL from existing data sources.












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Figure 10
Forest and Canopy Coverage



Legend

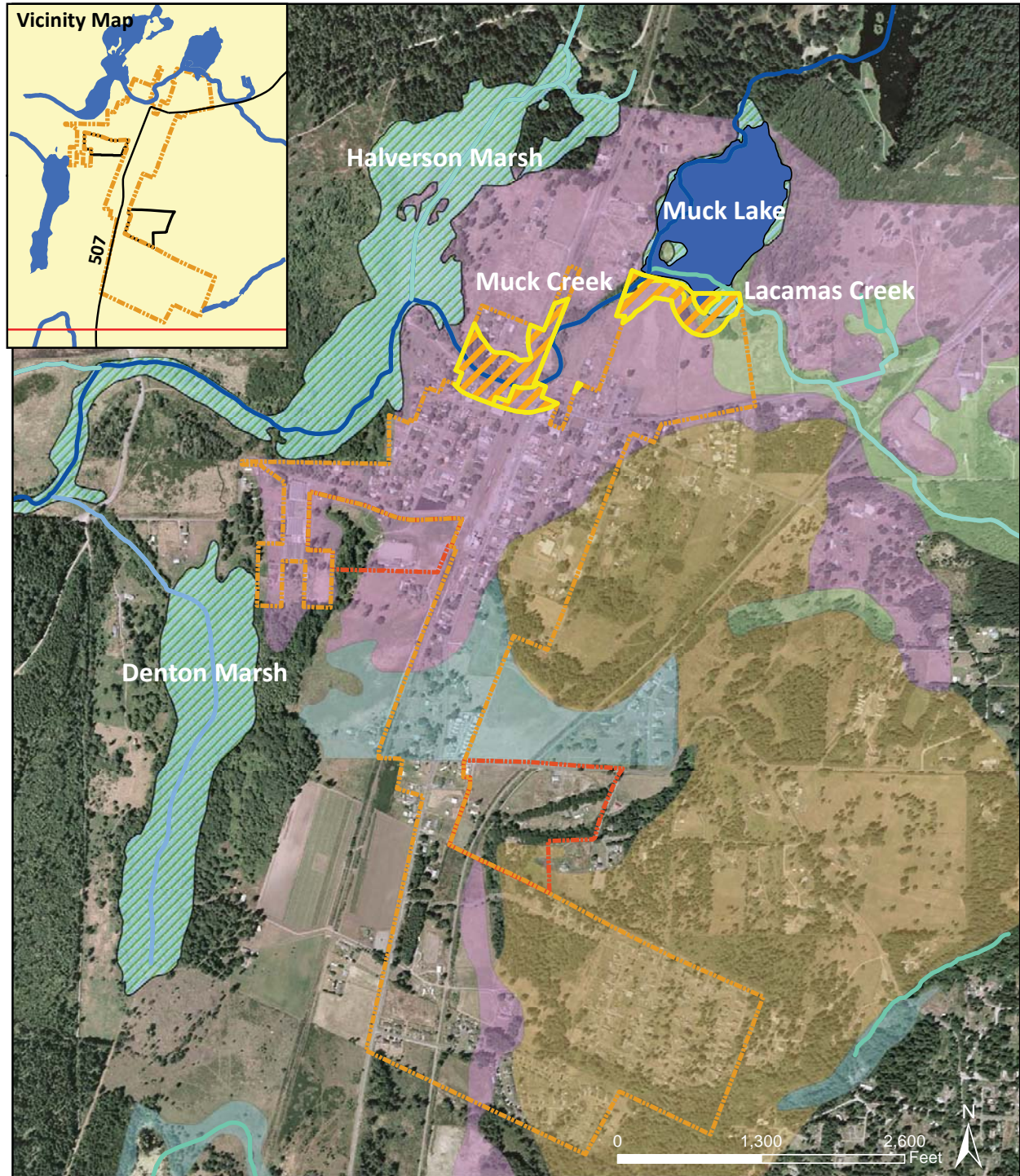
-  Proposed SMP Boundary
-  City Limits
-  Urban Growth Area
-  Creeks
-  Shoreline (Creek) in SMP Jurisdiction
-  Hydraulic Connection
-  Water in SMP Jurisdiction
-  Wetland in SMP Jurisdiction
-  Scattered Oak Canopy
-  Forest Cover
-  Canopy Closure $\geq 40\%$

Aerial Photo: 2005 Aerials Express
Data Sources: Pierce County GIS, WDFW Priority Habitats and Species Digital Data & SMA Boundary derived by AHBL from existing data sources.













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Figure 11
Soil Type



Legend

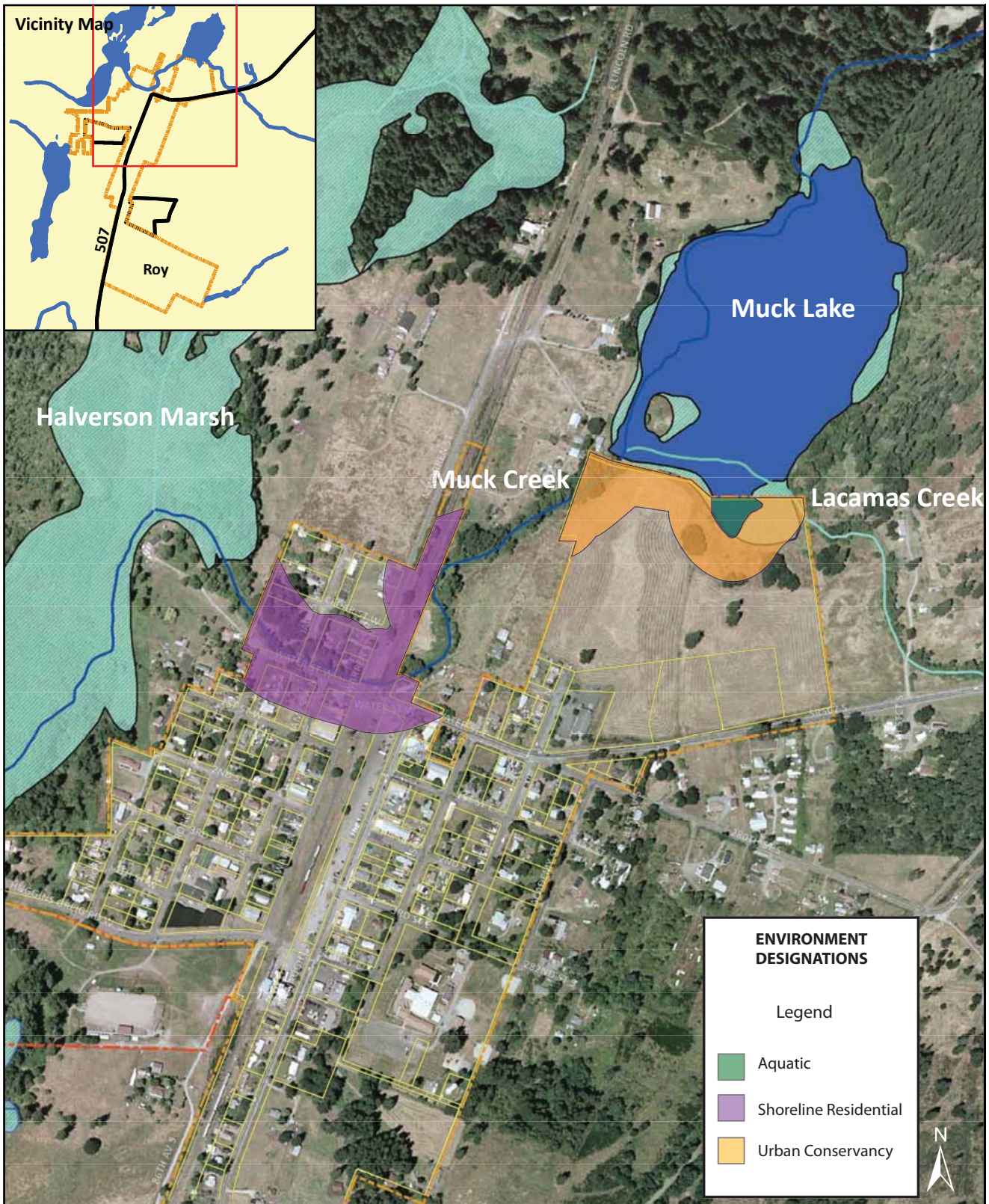
- | | |
|---|--|
|  Proposed SMP Boundary |  Everett Gravelly Sandy Loam, 6 to 15% slopes |
|  City Limits |  Norma Fine Sandy Loam |
|  Urban Growth Area |  Spanaway Gravelly Sandy Loam |
|  Creeks |  Spana loam |
|  Shoreline (Creek) in SMP Jurisdiction | |
|  Hydraulic Connection | |
|  Water in SMP Jurisdiction | |
|  Wetland in SMP Jurisdiction | |

Aerial Photo: 2005 Aerials Express
Data Sources: Pierce County GIS & SMA Boundary derived by AHBL from existing data sources.

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Roy Shoreline Master Program Muck Lake and Muck Creek

Environment Designations



Legend

- SMP Boundary
- City Limits
- Urban Growth Area
- Creeks
- Shoreline (Creek) in SMP Jurisdiction
- Hydraulic Connection
- Water in SMP Jurisdiction
- Wetland in SMP Jurisdiction
- Wetland Not in SMP Jurisdiction

Aerial Photo: 2005 Aerials Express
 Data Sources: Pierce County GIS & SMA Boundary derived by AHBL from existing data sources.
 Disclaimer: Shoreline Jurisdiction Boundaries on this map are approximate. They have not been formally delineated or surveyed and are intended for planning purposes only. Additional site-specific evaluation may be needed to confirm information shown. No warranties of any sort accompany this product.