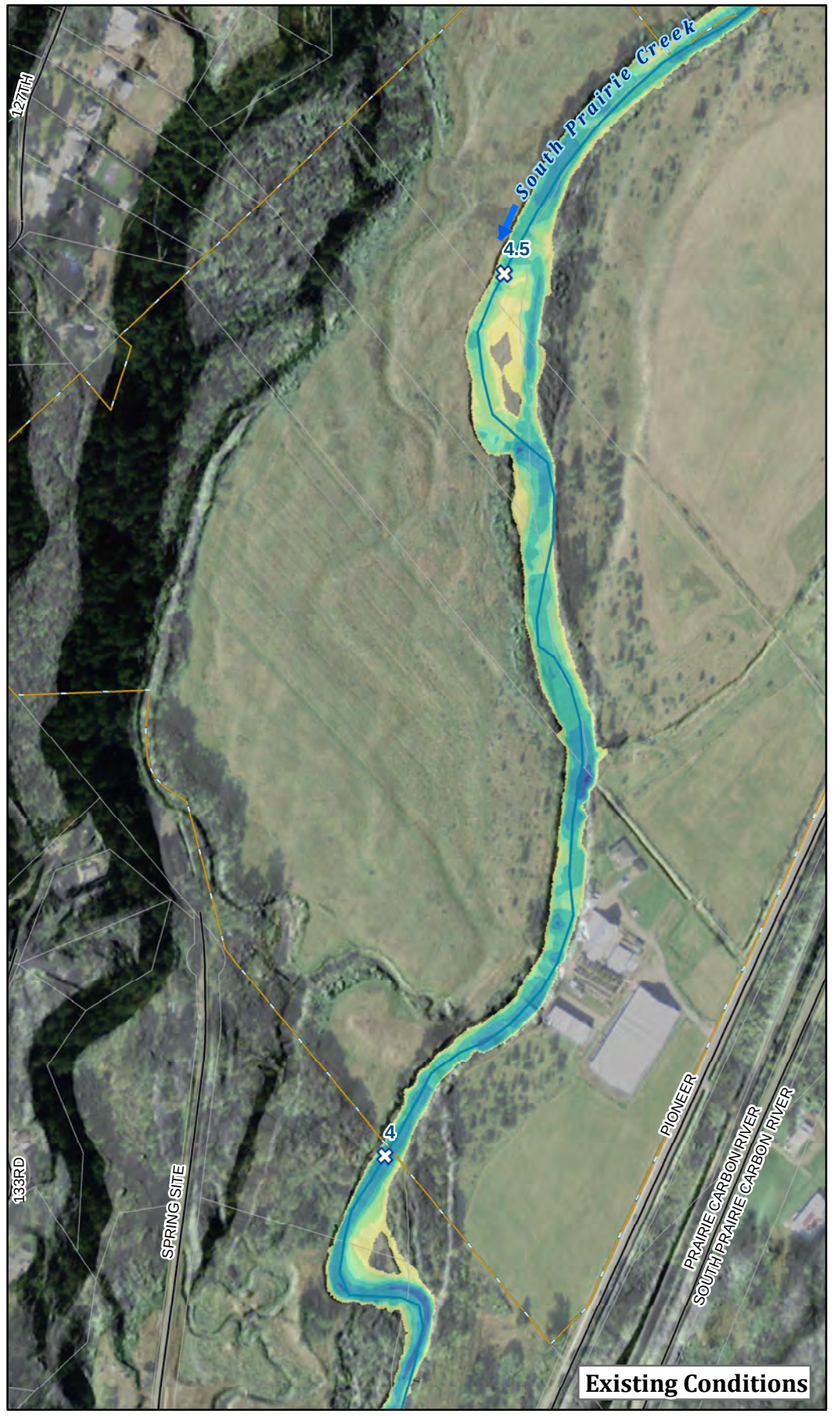
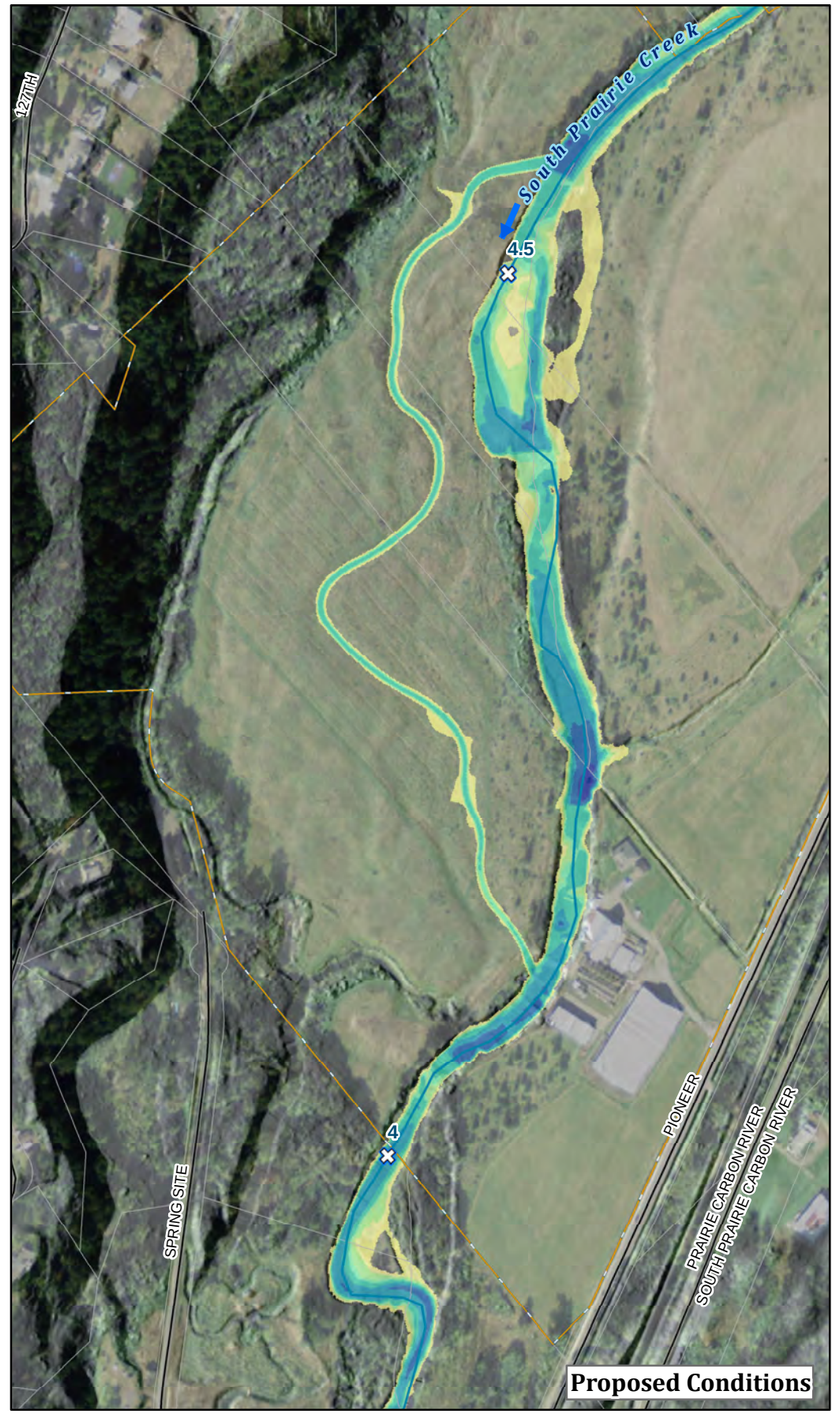
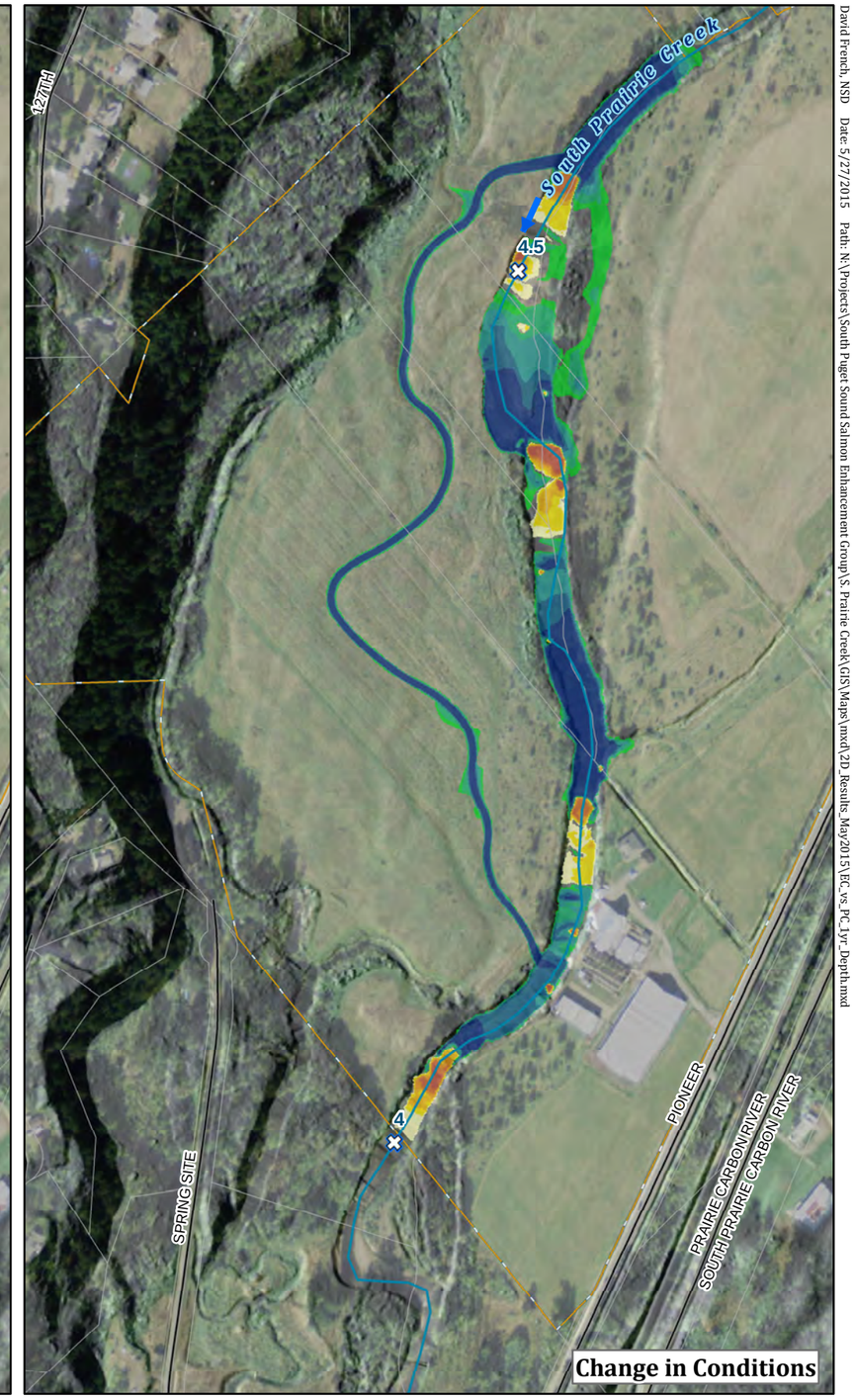






South Prairie Creek Floodplain & Habitat Restoration

Hydraulic Model Output - 1 yr (1,484 cfs) Flow Depths

15 River Miles
Streams
Roads
Parcel Boundary
Project Area

Data sources: 2013 USDA NAIP, 2010 LiDAR DEM (PSLC), Pierce County

Depth (ft)

< 0.1 | 0.1 - 0.5 | 0.5 - 1 | 1 - 1.5 | 1.5 - 2 | 2 - 2.5 | 2.5 - 4 | 4 - 6 | 6 - 8 | 8 - 10 | 10 - 12 | >12

Change in Depth (ft)

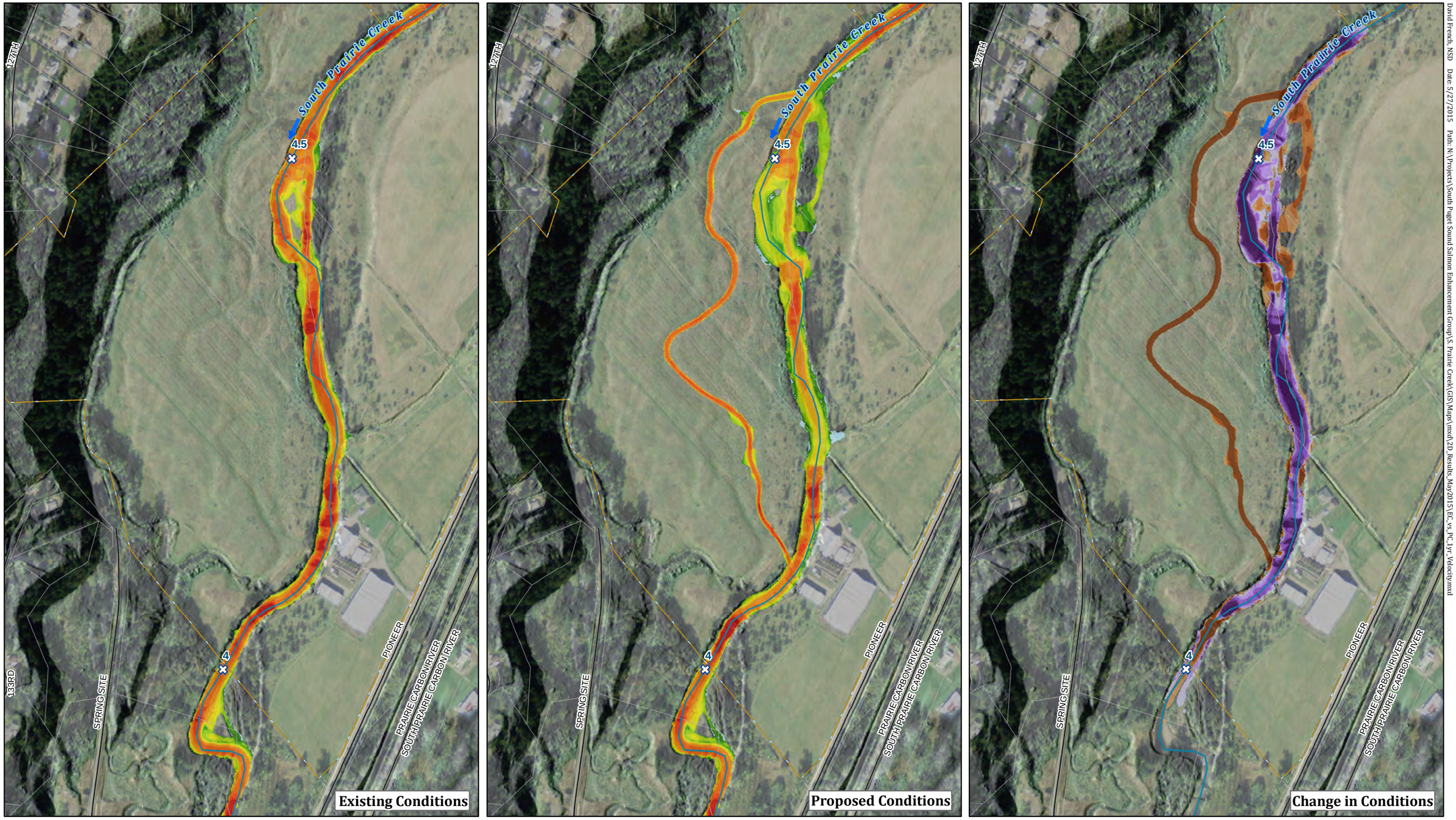
> -2 | -1.5 to -2 | -1 to -1.5 | -0.5 to -1 | -0.25 to -0.5 | -0.1 to -0.25 | -0.1 to +0.1 | +0.1 to 0.25 | +0.25 to 0.5 | +0.5 to 1 | +1 to 1.5 | > +1.5

0 250 500 Feet

N

Natural Systems Design
Pierce County
South Puget Sound Salmon Enhancement Group
Pierce Conservation District
Puyallup Tribe of Indians

David French, NSD Date: 5/27/2015 Path: N:\Projects\South Puget Sound Salmon Enhancement Group\S. Prairie Creek\GIS\Maps\mxd\2D_Results_May2015\EC_vs_PC_1yr_Depth.mxd



South Prairie Creek Floodplain & Habitat Restoration

Hydraulic Model Output - 1 yr (1,484 cfs) Flow Velocity

15 River Miles
Streams
Roads
Parcel Boundary
Project Area

Data sources: 2013 USDA NAIP, 2010 LiDAR DEM (PSLC), Pierce County

Velocity (ft/s)

< 0.1 | 0.1 - 0.25 | 0.25 - 0.5 | 0.5 - 1 | 1 - 1.5 | 1.5 - 2 | 2 - 3 | 3 - 4 | 4 - 6 | 6 - 8 | 8 - 10 | > 10

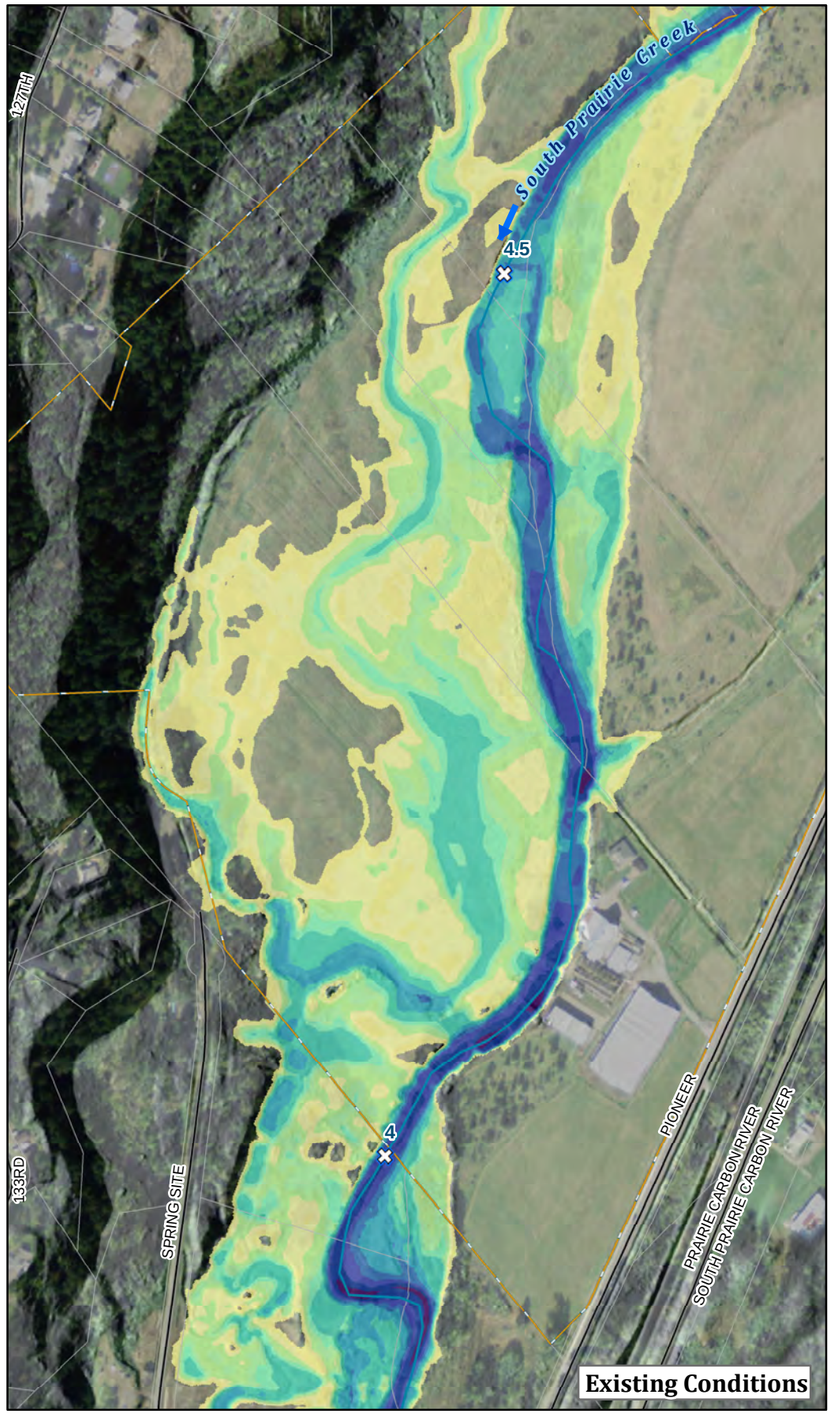
Change in Velocity (ft/s)

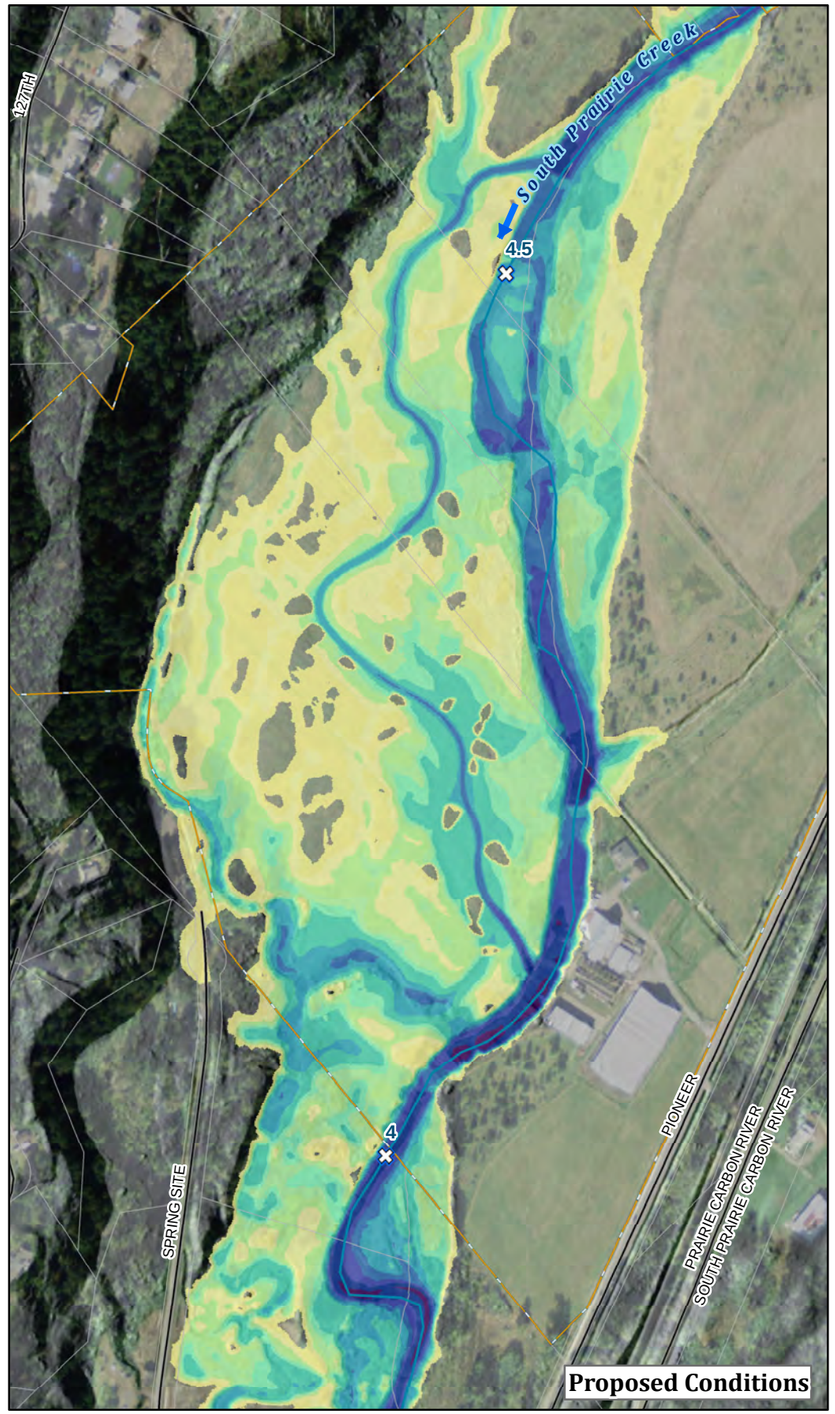
> - 3 | -2 to -3 | -1 to -2 | -0.5 to -1 | -0.1 to -0.5 | -0.1 to +0.1 | +0.1 to +0.5 | +0.5 to +1 | +1 to +2 | > +2

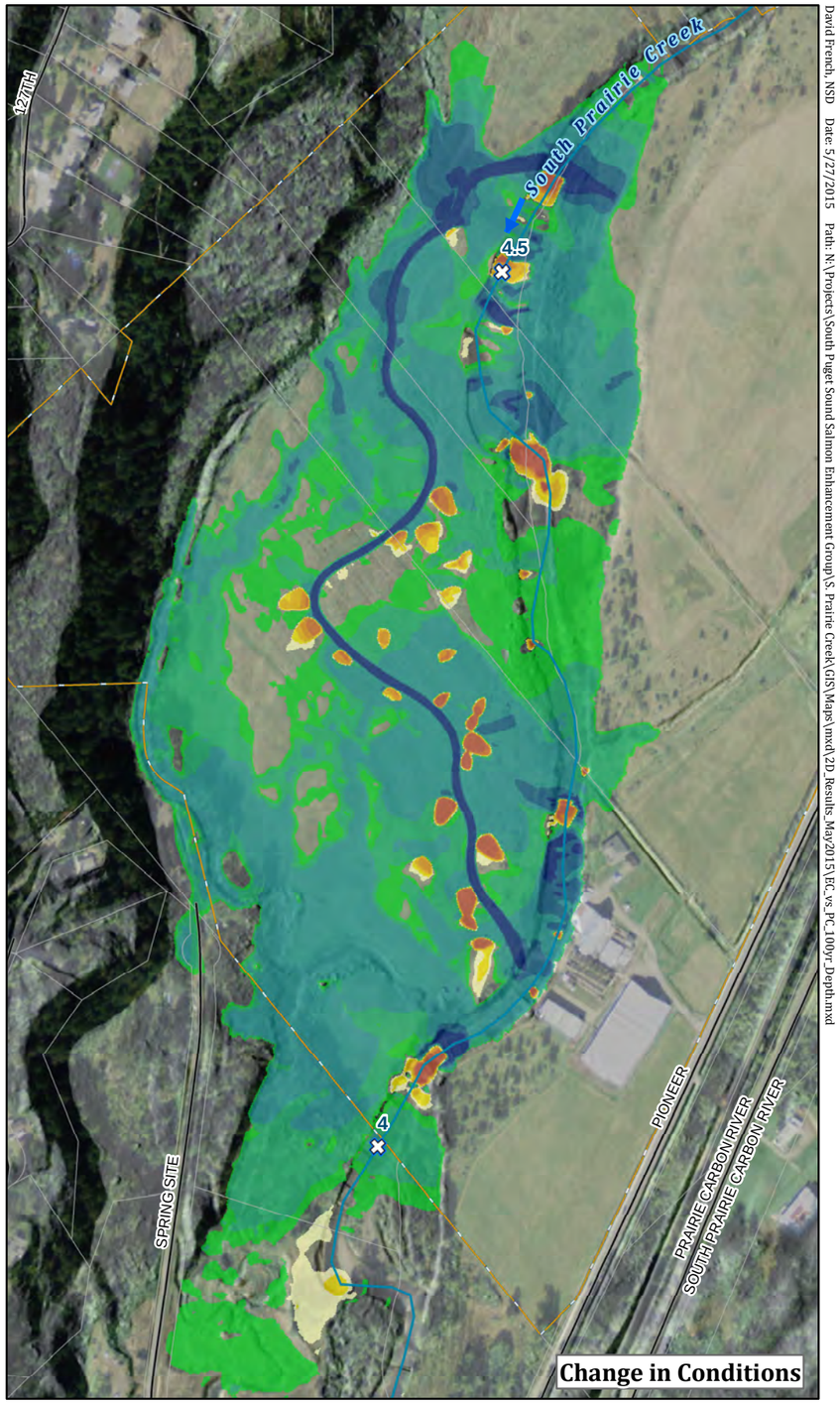
0 250 500 Feet

Natural Systems Design
Pierce County
South Puget Sound Salmon Enhancement Group
Pierce Conservation District
Puyallup Tribe of Indians

David French, NSD Date: 5/27/2015 Path: N:\Projects\South Puget Sound Salmon Enhancement Group\S. Prairie Creek\GIS\Maps\mxd\2D_Results_May2015\EC_vs_PC_1yr_Velocity.mxd







South Prairie Creek Floodplain & Habitat Restoration

Hydraulic Model Output - 100 yr (9,404 cfs) Flow Depths

15 River Miles
Streams
Roads
Parcel Boundary
Project Area

Depth (ft)

< 0.1 | 0.1 - 0.5 | 0.5 - 1 | 1 - 1.5 | 1.5 - 2 | 2 - 2.5 | 2.5 - 4 | 4 - 6 | 6 - 8 | 8 - 10 | 10 - 12 | >12

Change in Depth (ft)

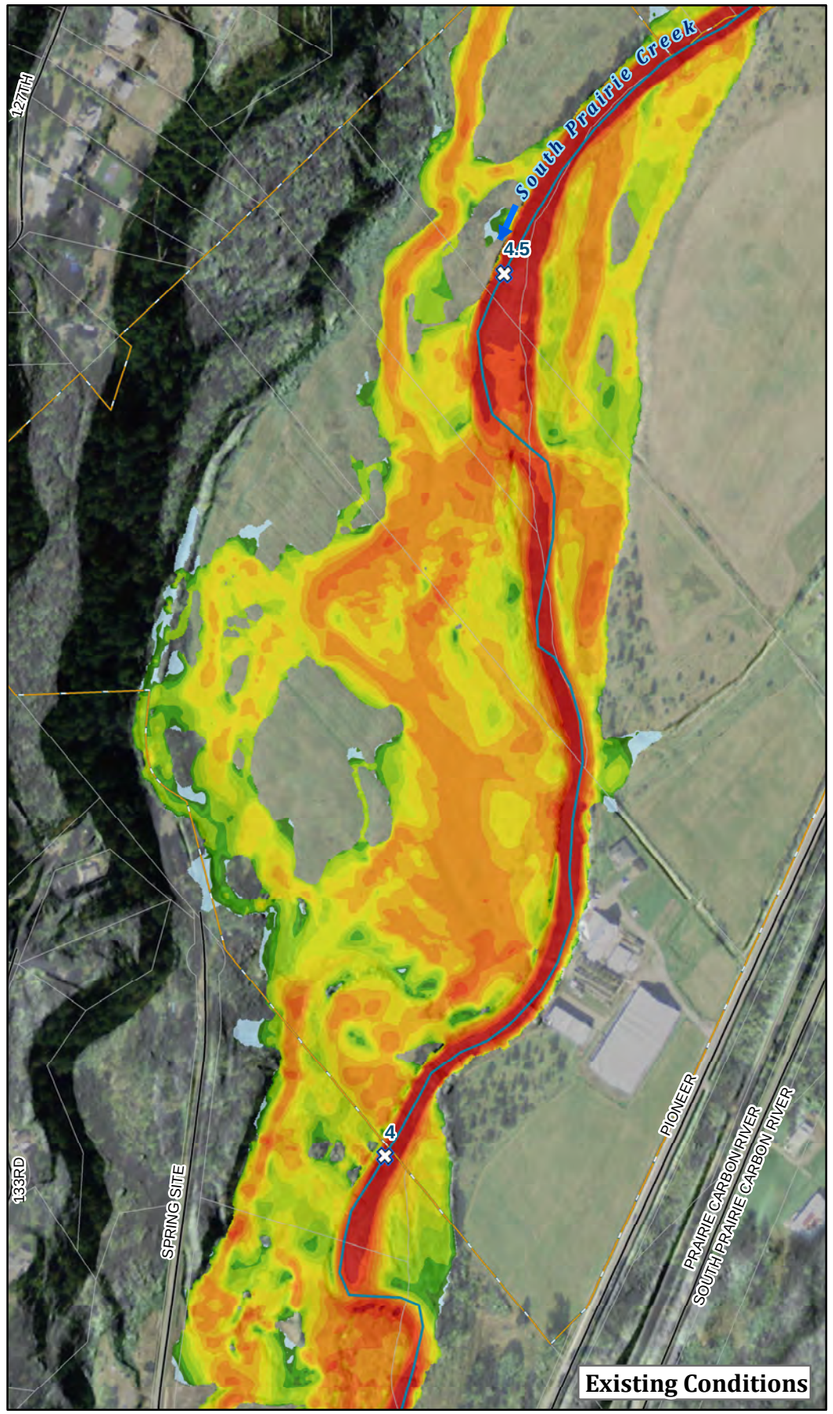
> -2 | -1.5 to -2 | -1 to -1.5 | -0.5 to -1 | -0.25 to -0.5 | -0.1 to -0.25 | -0.1 to +0.1 | +0.1 to 0.25 | +0.25 to 0.5 | +0.5 to 1 | +1 to 1.5 | > +1.5

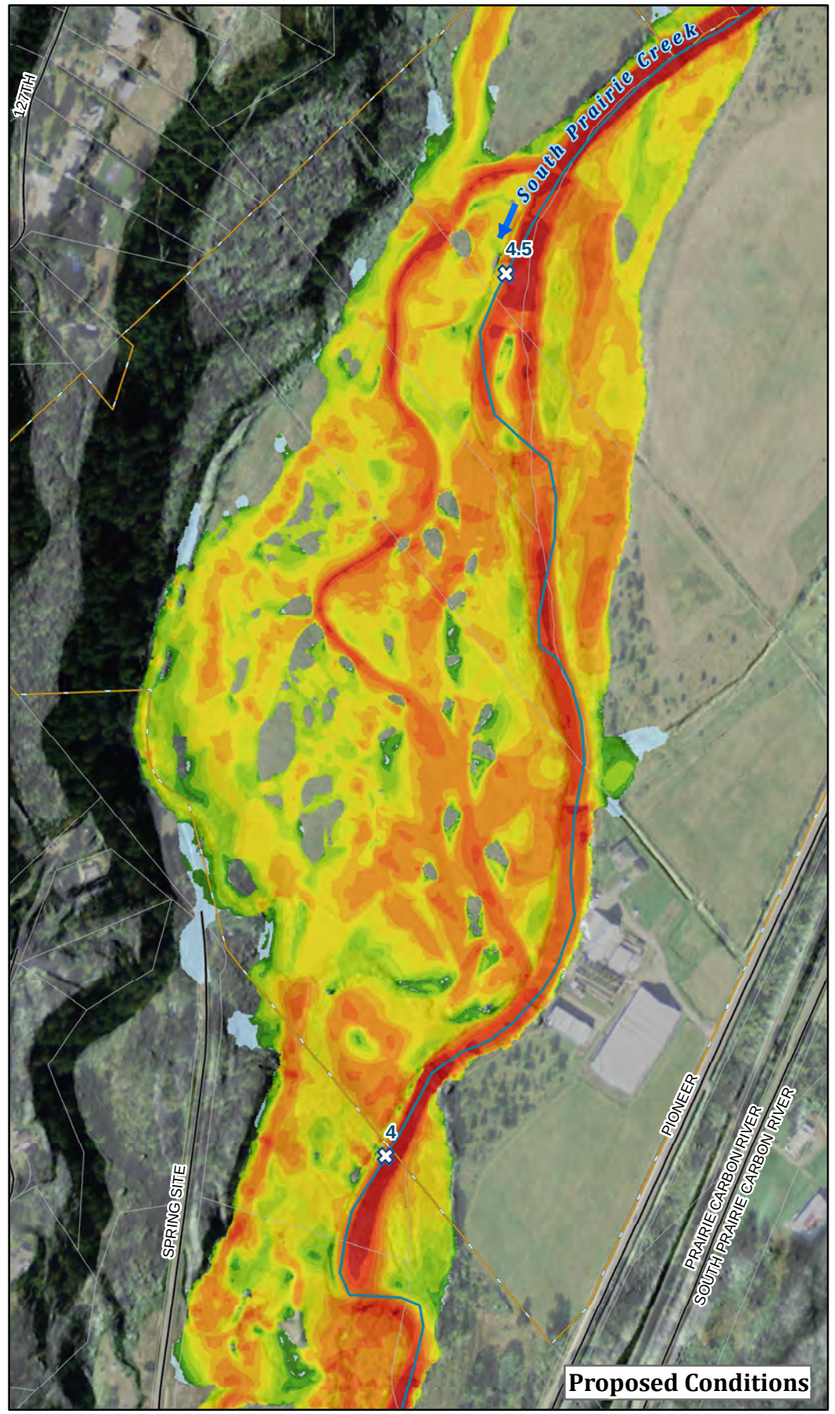
0 250 500 Feet

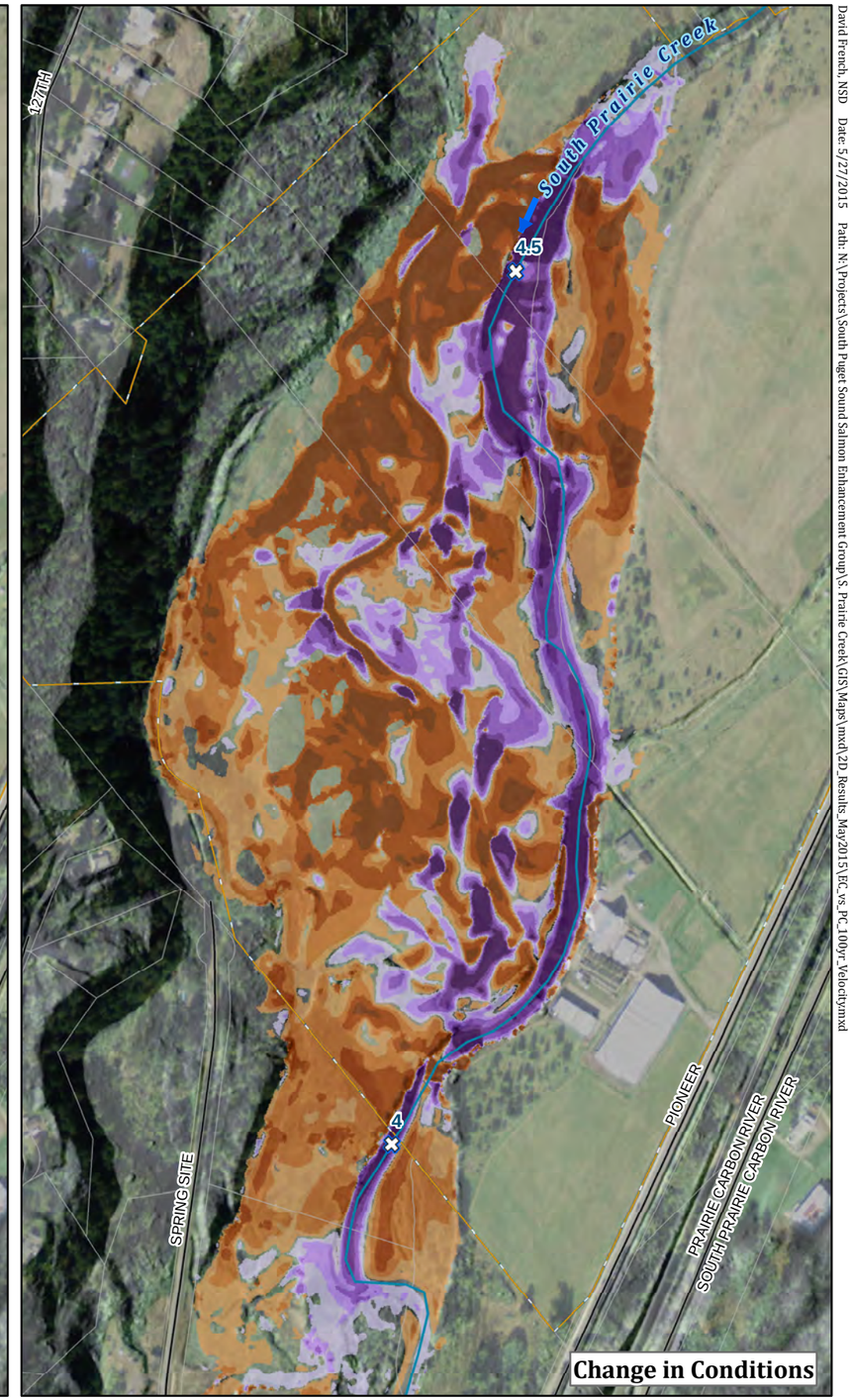
Data sources: 2013 USDA NAIP, 2010 LiDAR DEM (PSLC), Pierce County

Natural Systems Design
Pierce County
South Puget Sound Salmon Enhancement Group
Pierce Conservation District
Puyallup Tribe of Indians

David French, NSD Date: 5/27/2015 Path: N:\Projects\South Puget Sound Salmon Enhancement Group\S. Prairie Creek\GIS\Maps\mxd\2D_Results_May2015\EC_vs_PC_100yr_Depth.mxd







South Prairie Creek Floodplain & Habitat Restoration

Hydraulic Model Output - 100 yr (9,404 cfs) Flow Velocity

15 River Miles
Streams
Roads
Parcel Boundary
Project Area

Velocity (ft/s)

< 0.1 | 0.1 - 0.25 | 0.25 - 0.5 | 0.5 - 1 | 1 - 1.5 | 1.5 - 2 | 2 - 3 | 3 - 4 | 4 - 6 | 6 - 8 | 8 - 10 | > 10

Change in Velocity (ft/s)

> - 3 | -2 to -3 | -1 to -2 | -0.5 to -1 | -0.1 to -0.5 | -0.1 to +0.1 | +0.1 to +0.5 | +0.5 to +1 | +1 to +2 | > +2

0 250 500 Feet

Data sources: 2013 USDA NAIP, 2010 LiDAR DEM (PSLC), Pierce County

Natural Systems Design
Pierce County
South Puget Sound Salmon Enhancement Group
Pierce Conservation District
Puyallup Tribe of Indians

David French, NSD Date: 5/27/2015 Path: N:\Projects\South Puget Sound Salmon Enhancement Group\S. Prairie Creek\GIS\Maps\mxd\2D_Results_May2015\EC_vs_PC_100yr_Velocity.mxd