



# The Wayback Machine

Paul Powers, USDA Forest Service



Channel

**Solid**

<https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.dreamstime.com%2Fillustration%2Fchanges-state-matter.html&psig=AOvVaw2YPpNmfyCXFSdyeqtJ6GNq&ust=1643905006723000&source=images&cd=vfe&ved=0CAsQjRxqFwoTCliu6uG14fUCFQAAAAAdAAAAABAE>

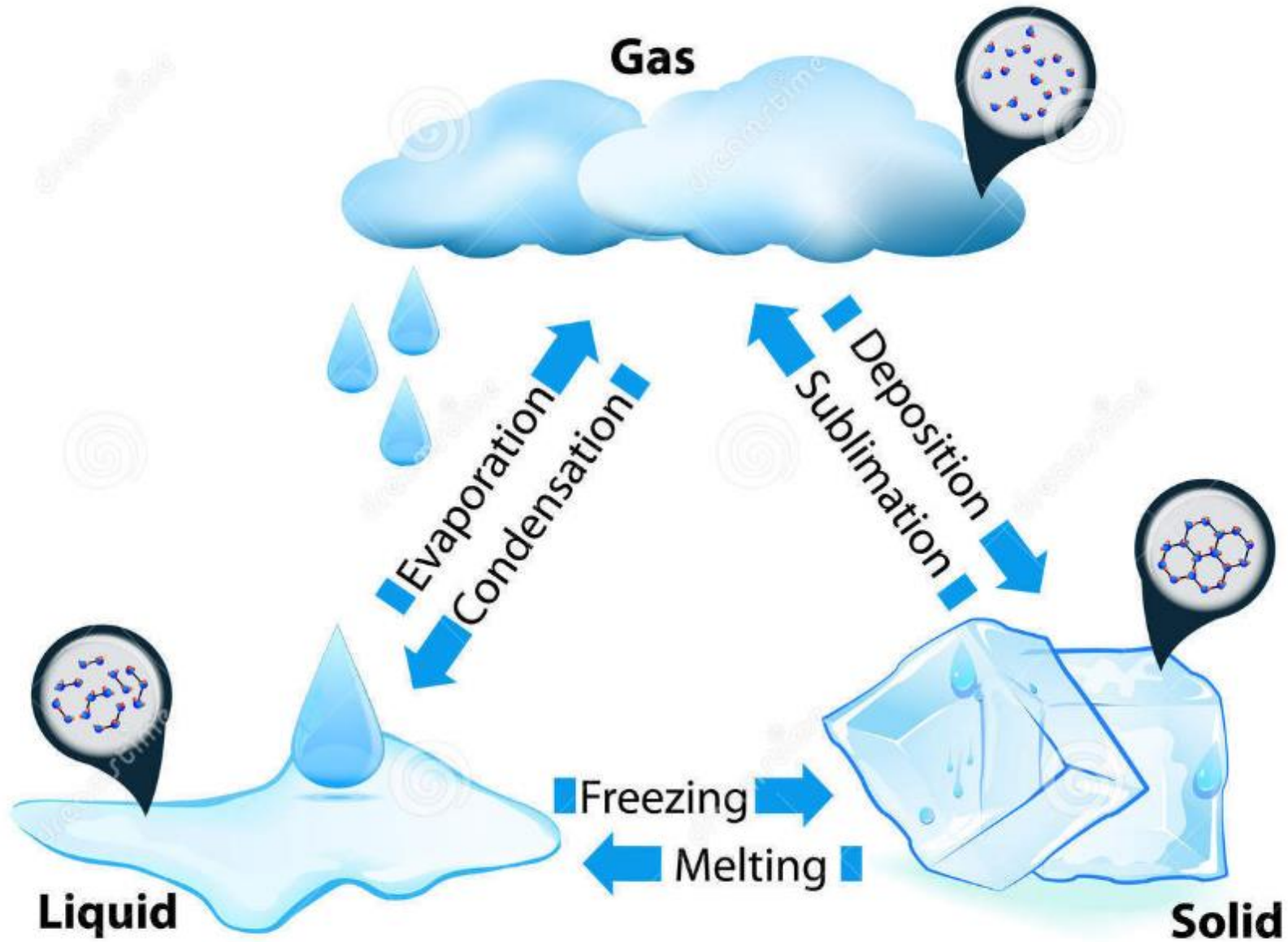


Seasonal  
Floodplain  
Inundation



Channel

Solid



<https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.dreamstime.com%2Fillustration%2Fchanges-state-matter.html&psig=AOvVaw2YPpNmfyCXFSdyeqtJ6GNq&ust=1643905006723000&source=images&cd=vfe&ved=0CAsQjRxqFwoTCliu6uG14fUCFQAAAAAdAAAAABAE>





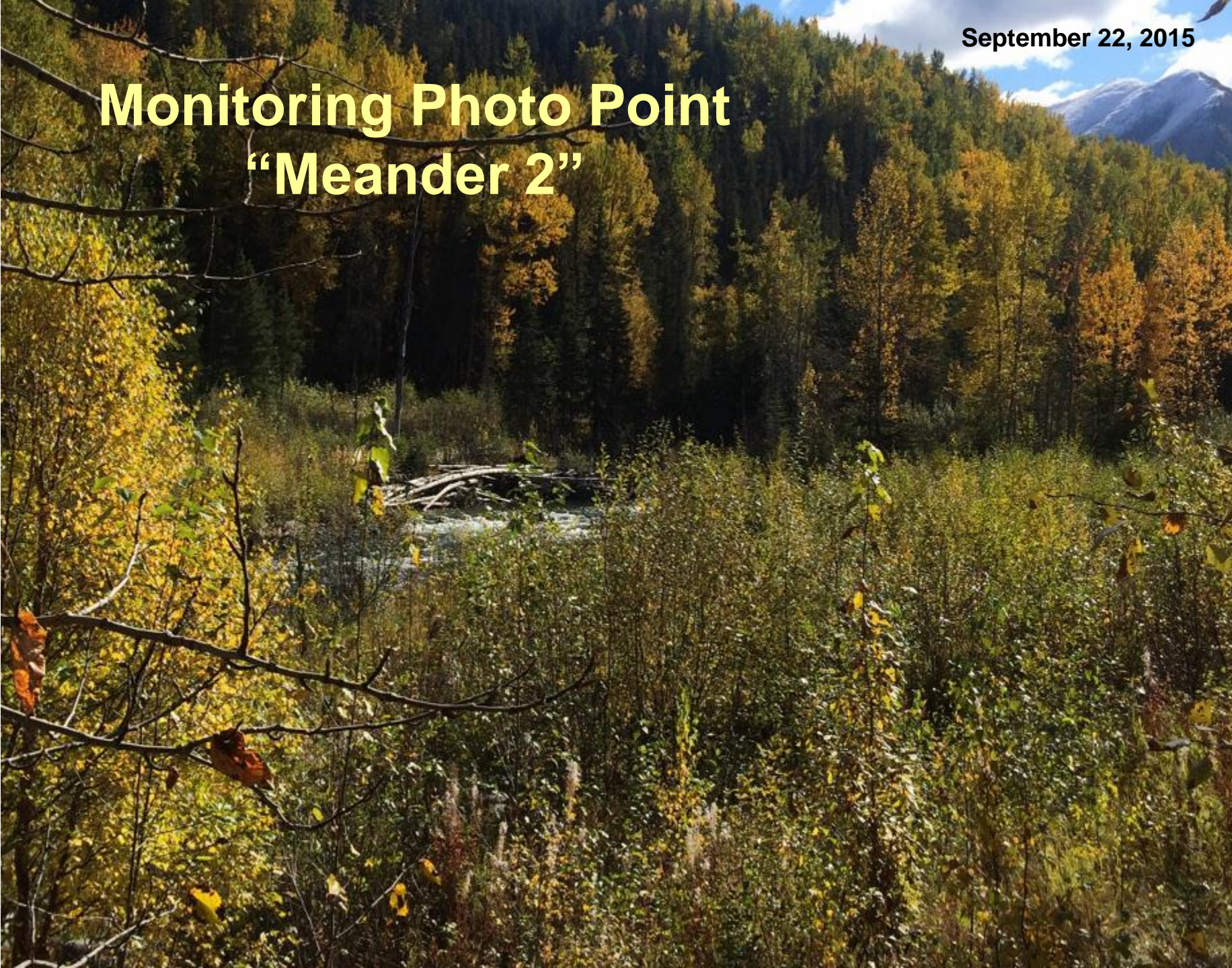






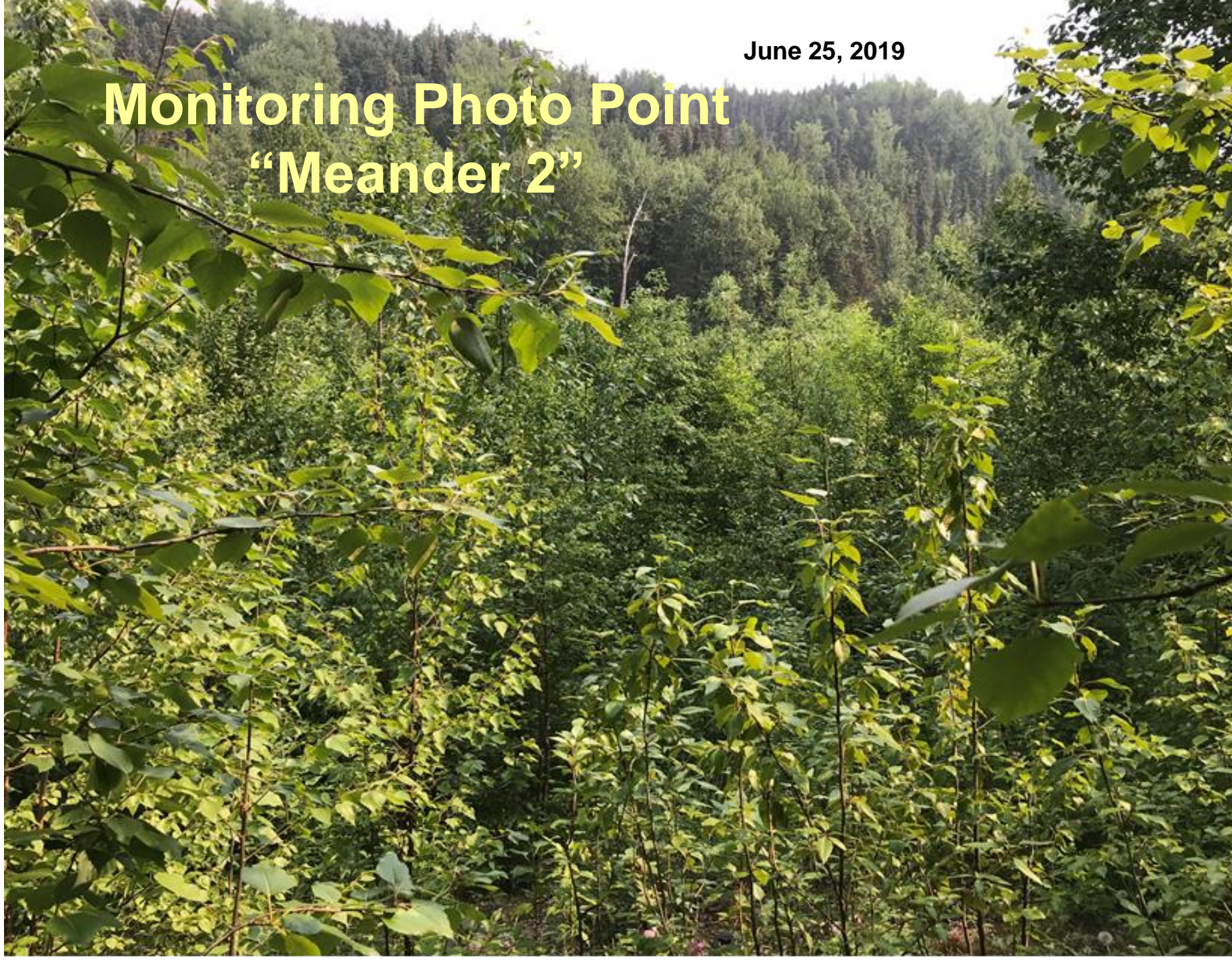
September 22, 2015

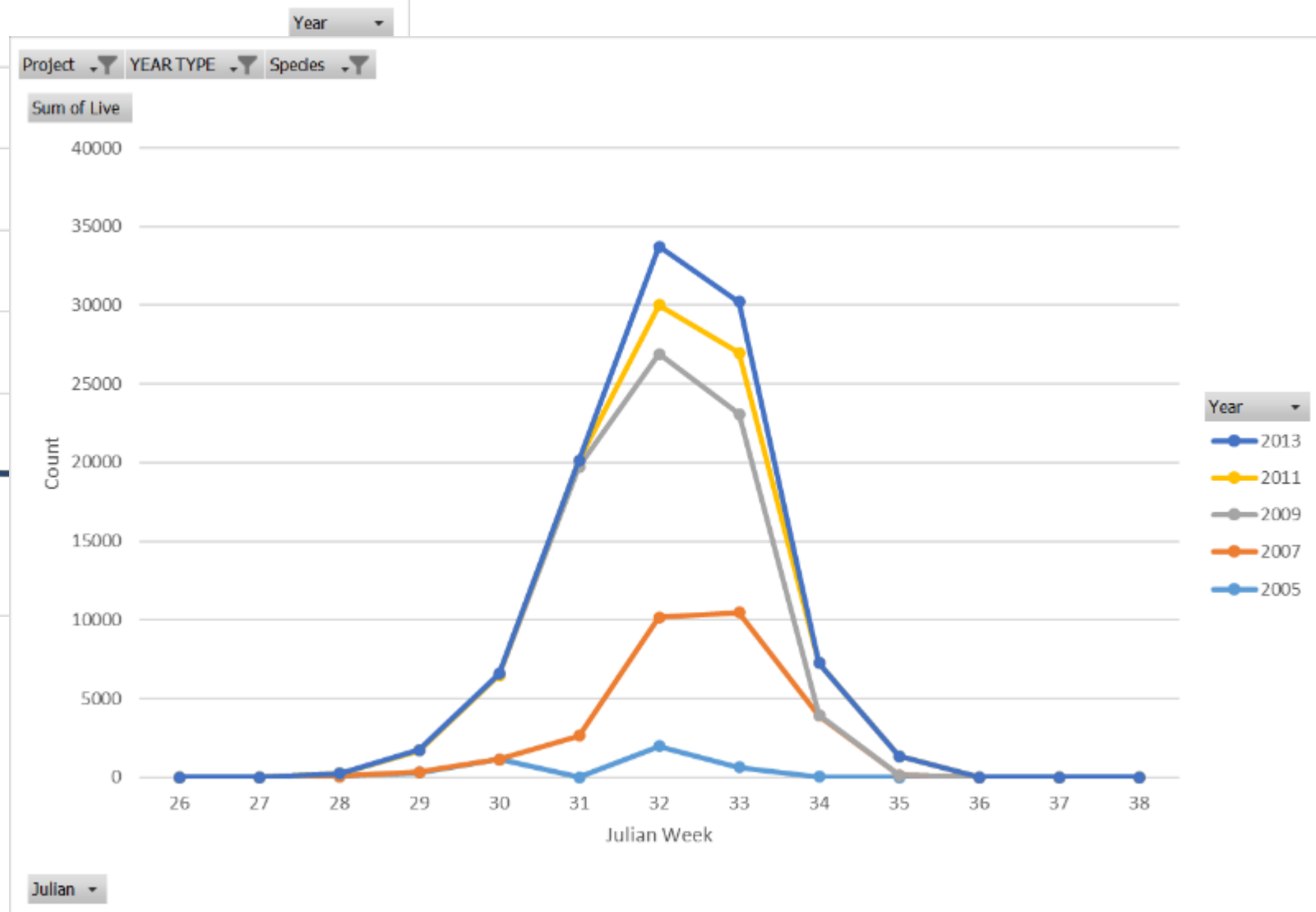
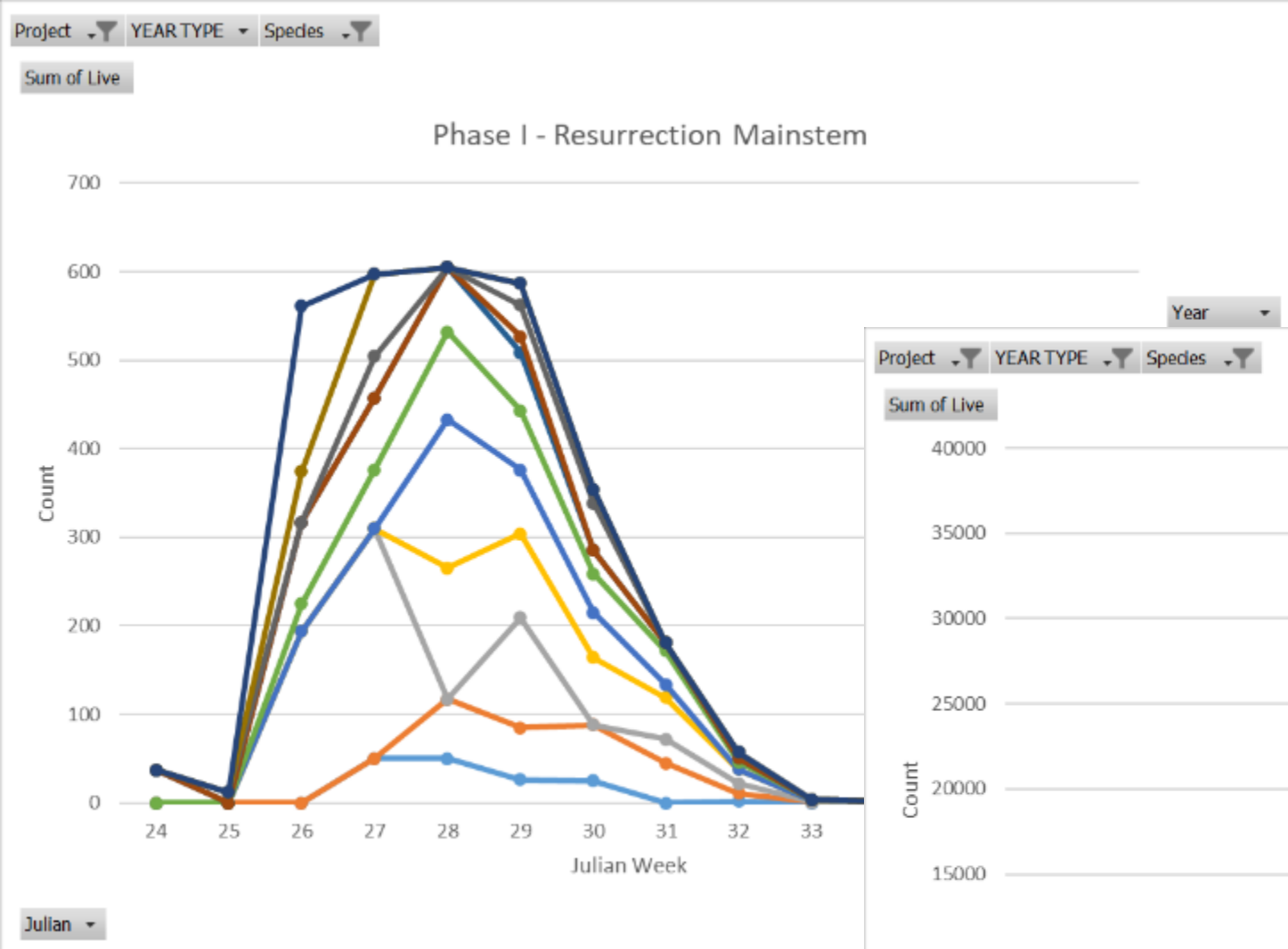
# Monitoring Photo Point “Meander 2”



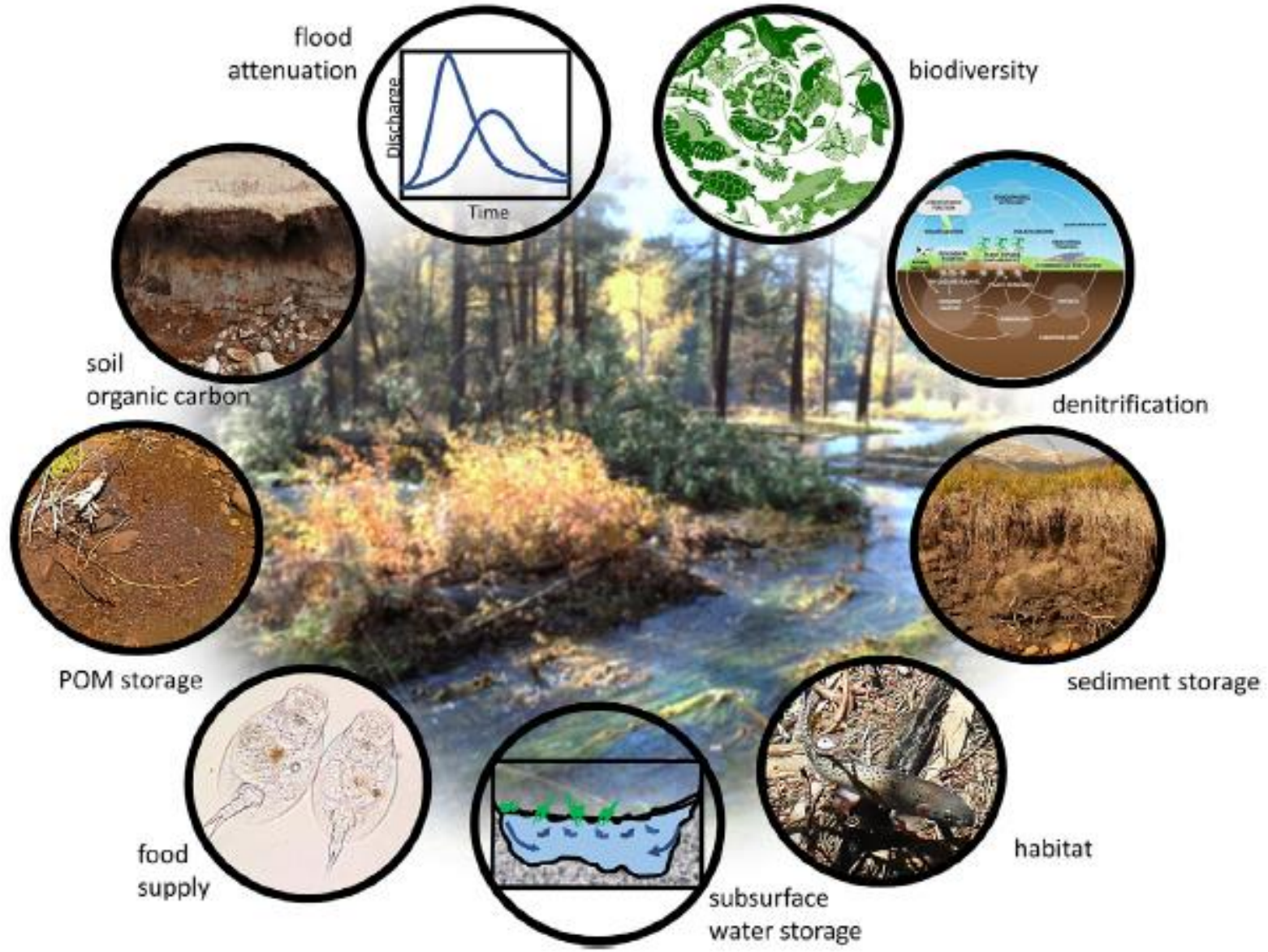
June 25, 2019

# Monitoring Photo Point “Meander 2”



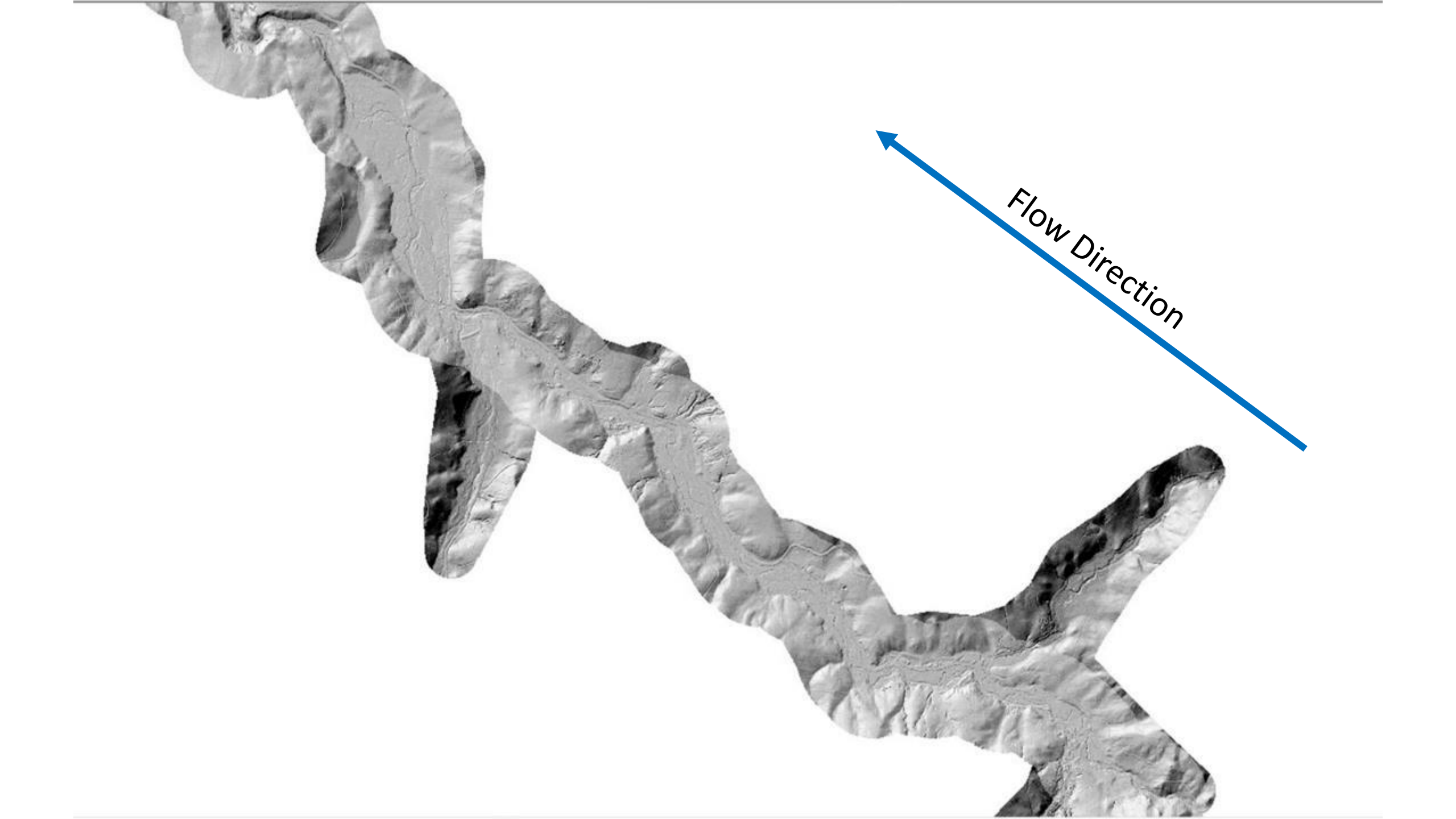


Wohl et al. 2021

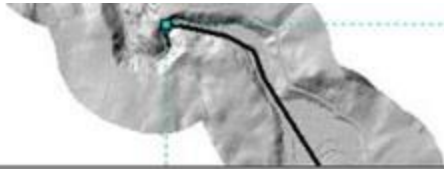


**FIGURE 7** | Schematic illustration of river functions associated with river-wetland corridors ("biodiversity" image modified from Nelson et al. (2006); "denitrification" diagram from ibiologia.com; "food supply" image (rotifers) from Matthew A. Robinson, Wikimedia Commons).





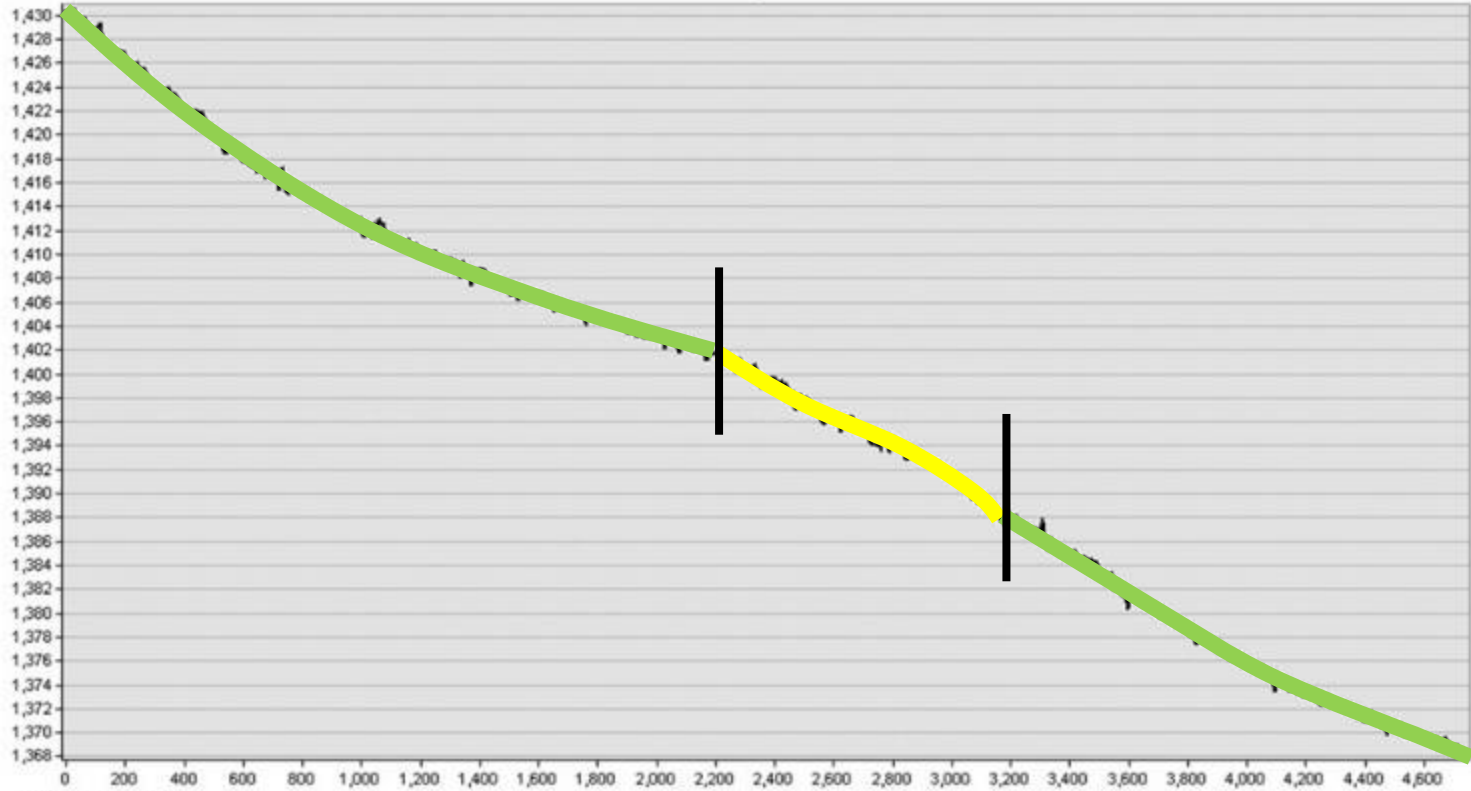
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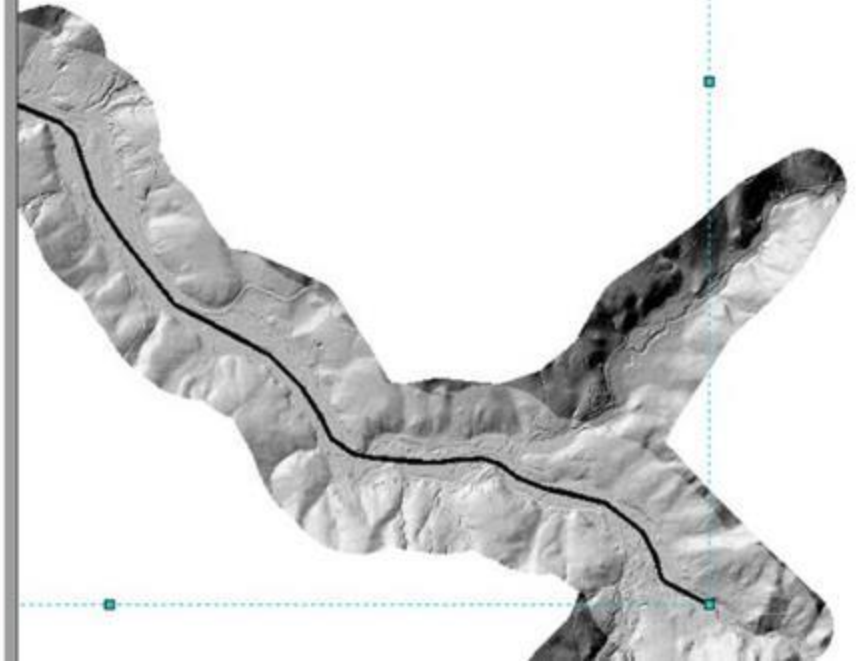
Profile Graph Title

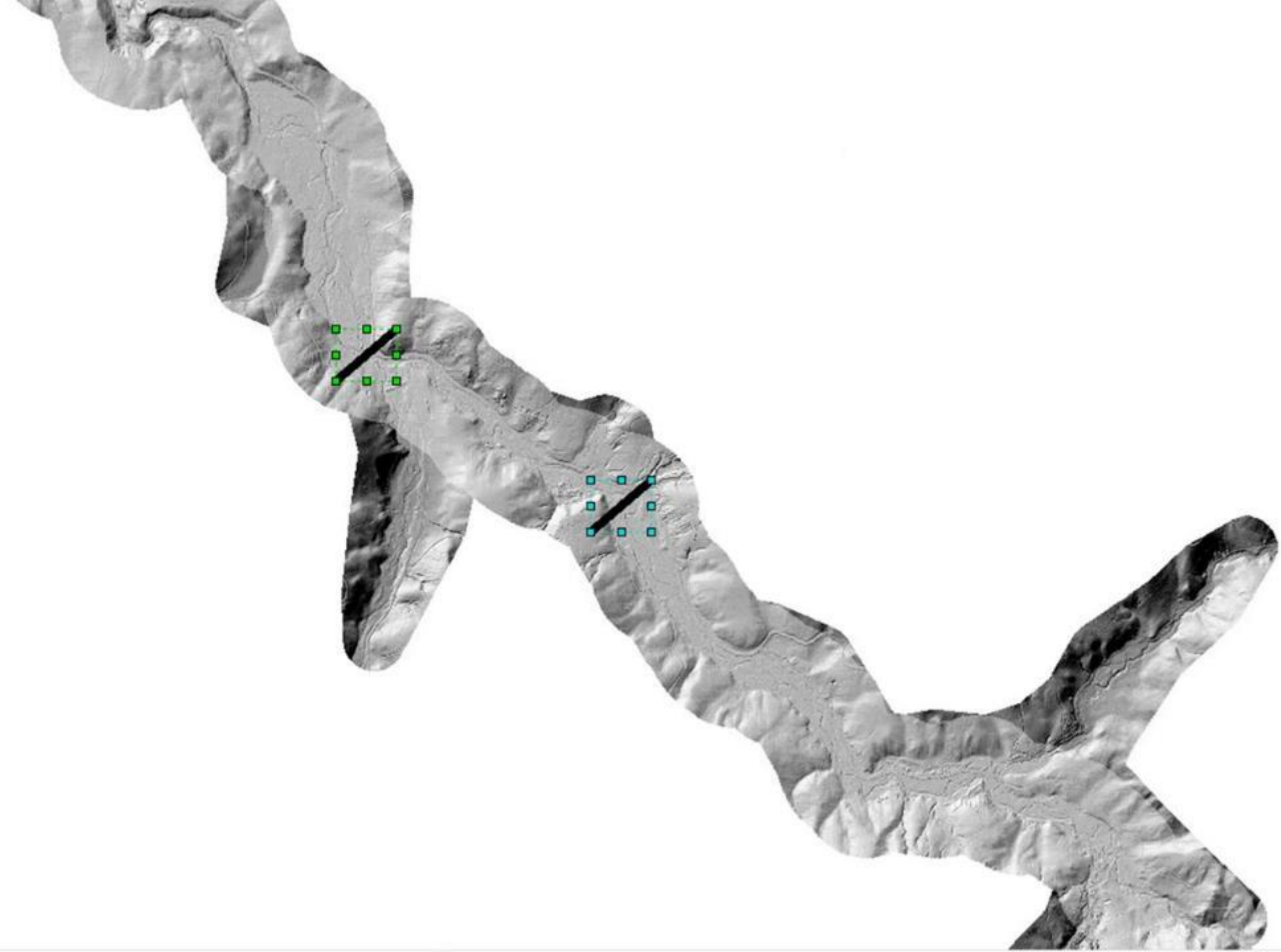


Profile Graph Title



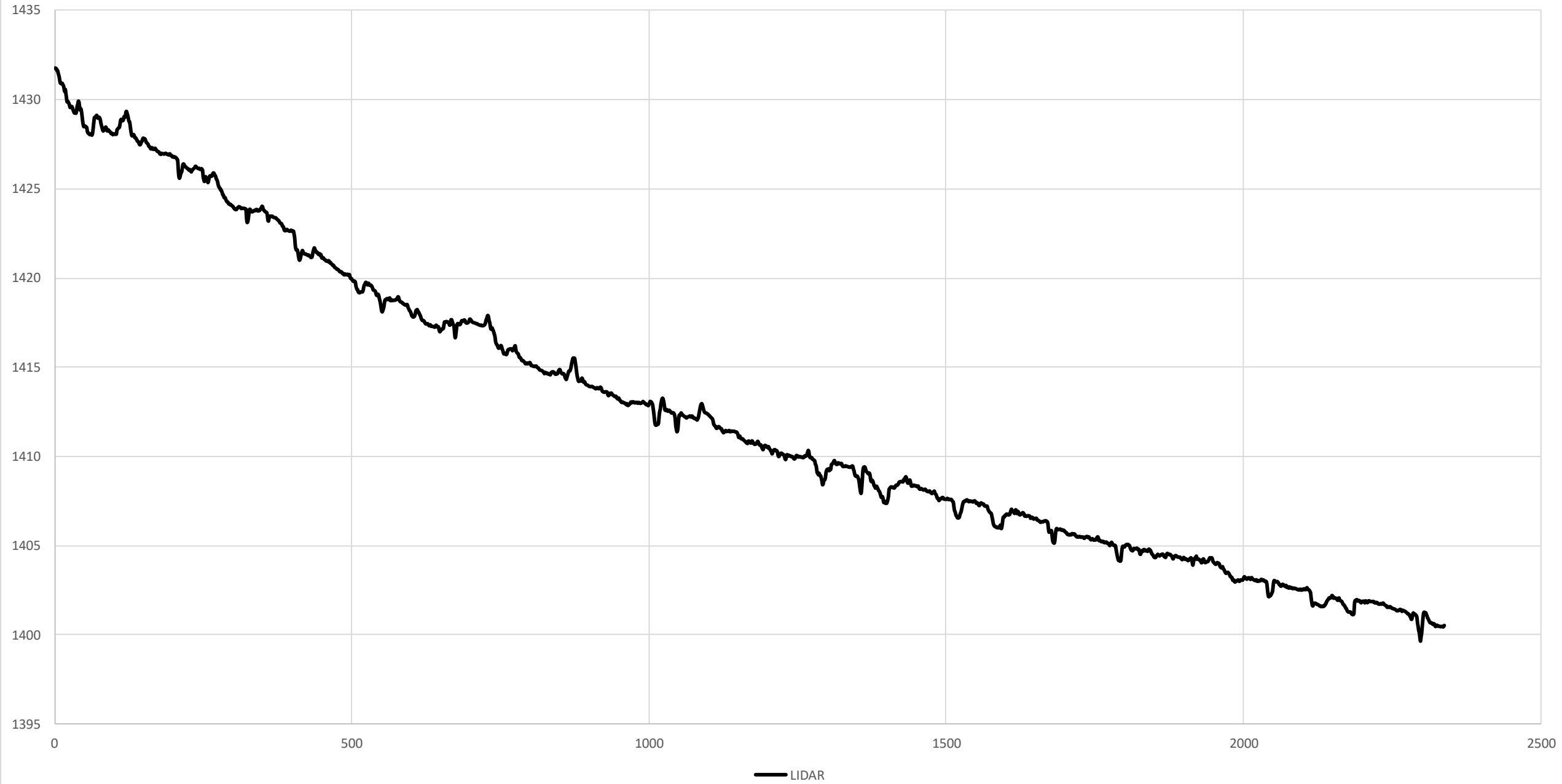
Profile Graph Subtitle



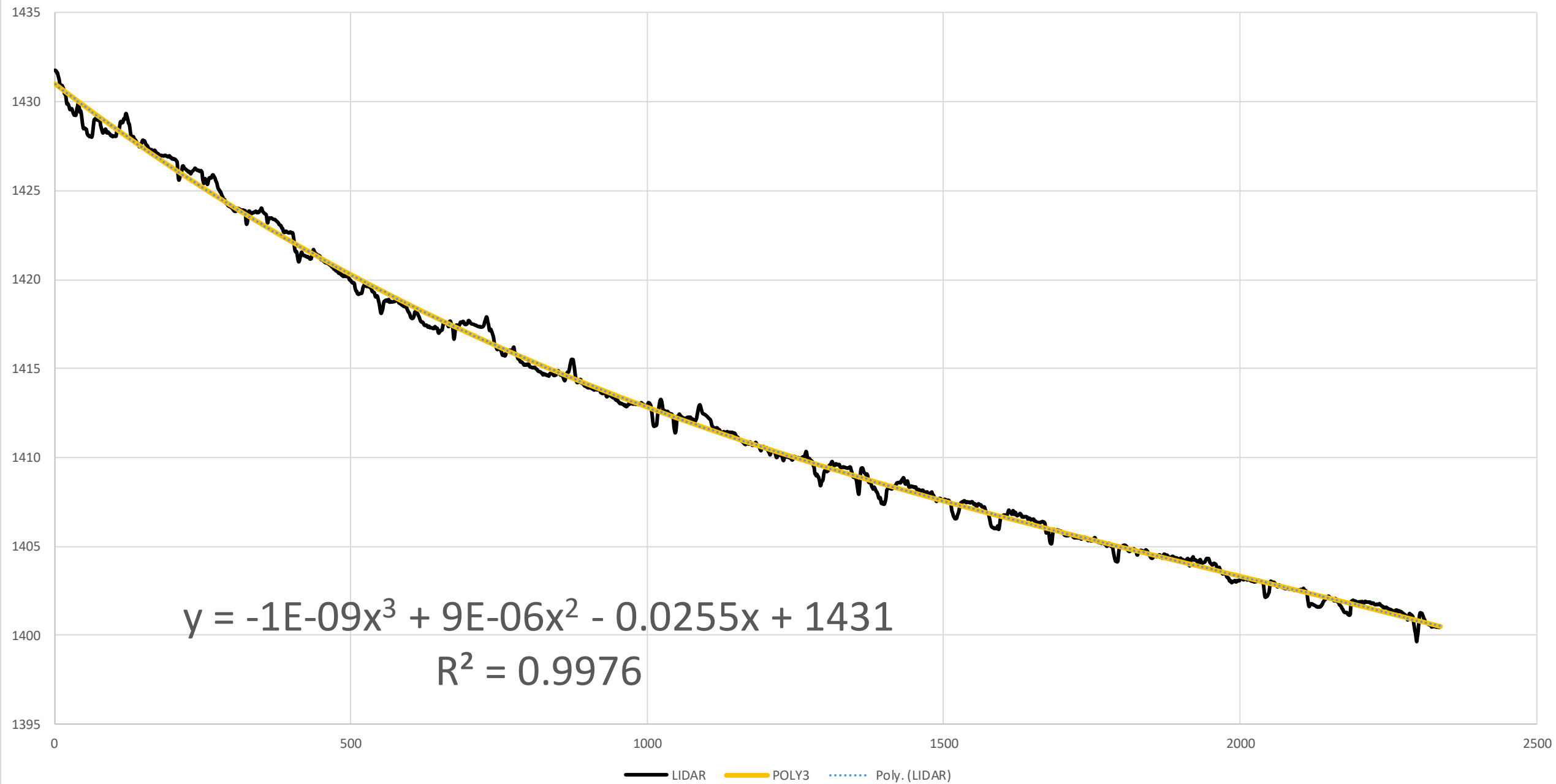




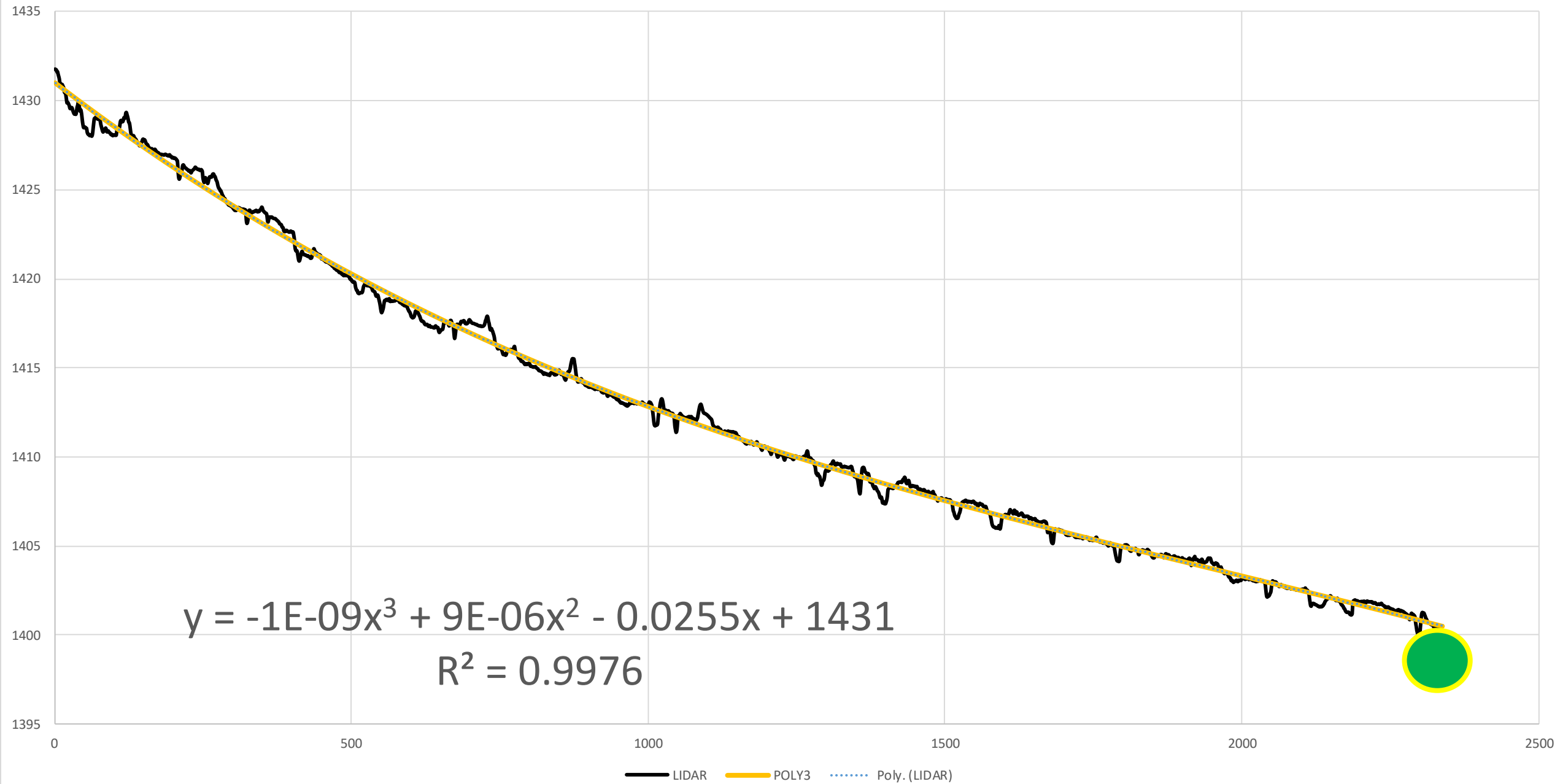
# Upper Grande Ronde



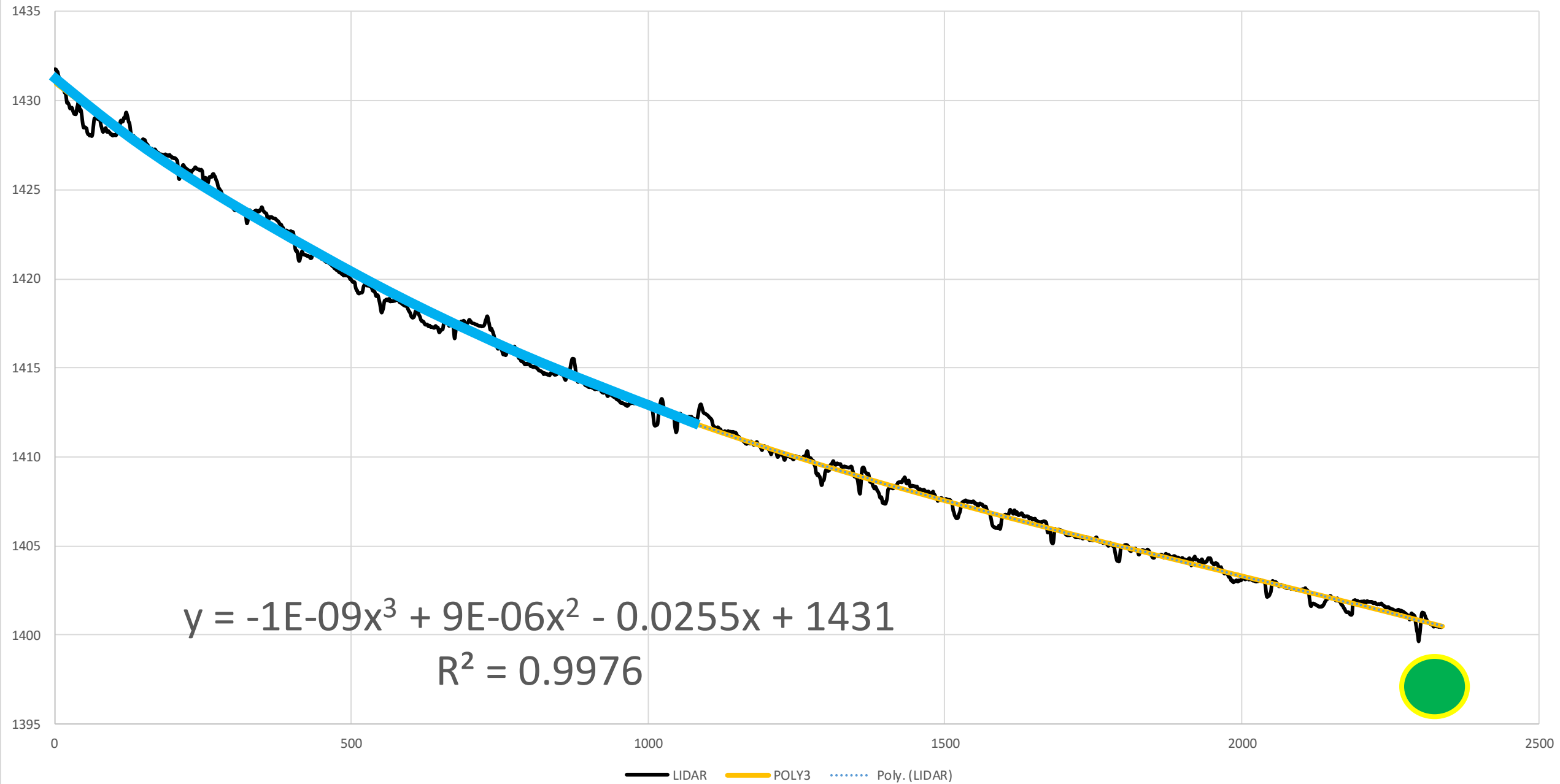
# Upper Grande Ronde



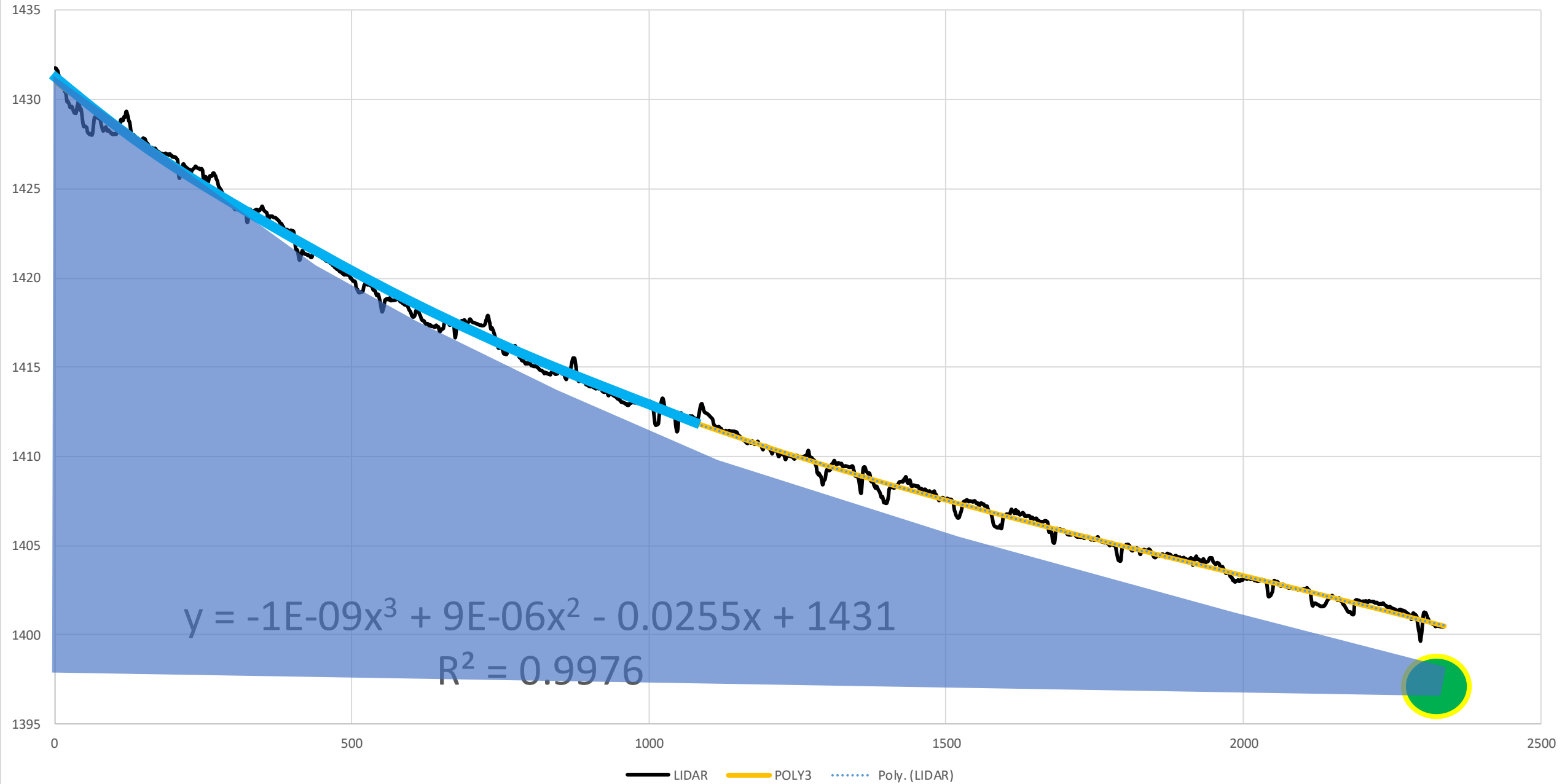
# Upper Grande Ronde



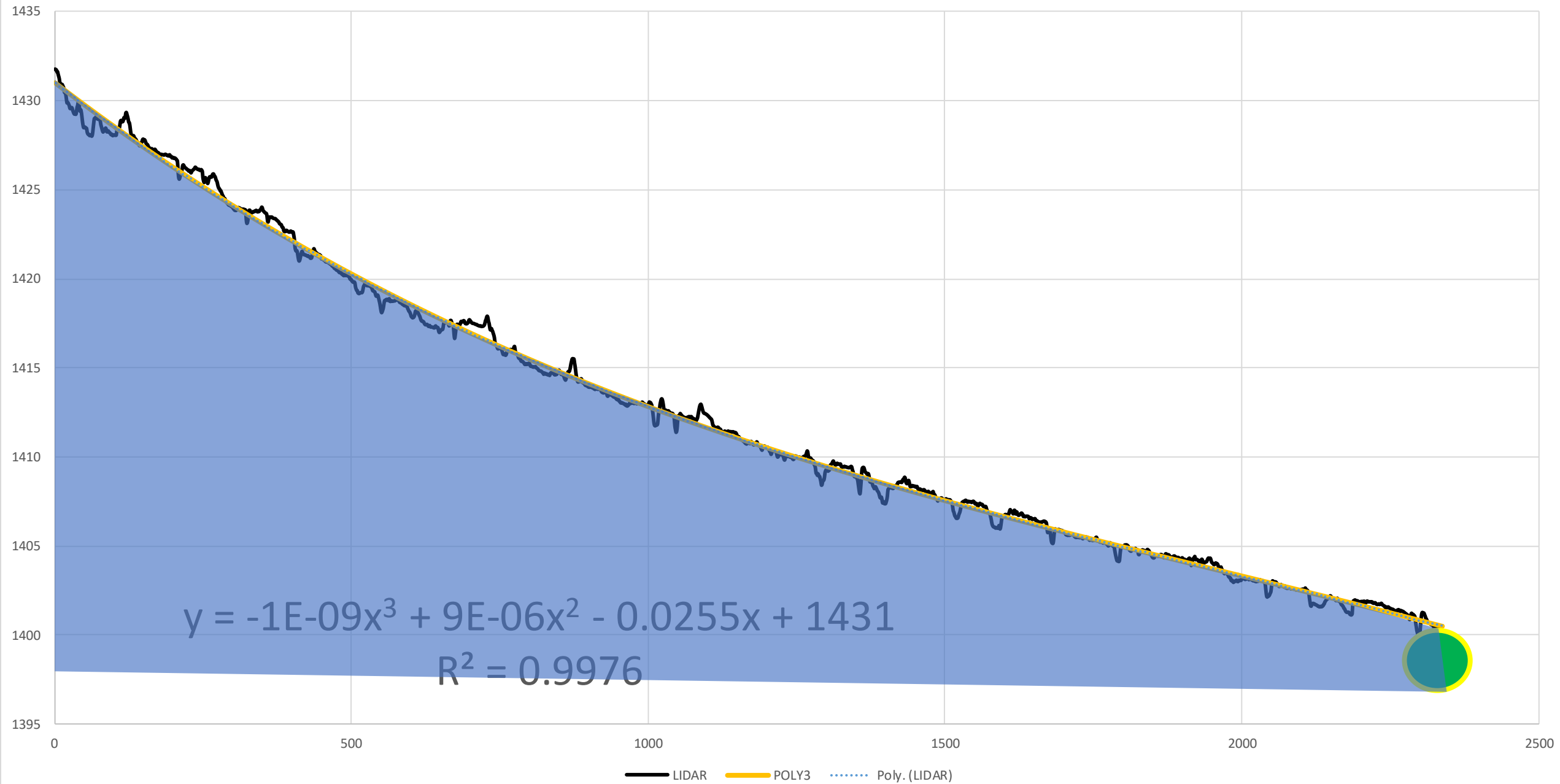
# Upper Grande Ronde



# Upper Grande Ronde



# Upper Grande Ronde









# 1 decimeter ~ 4 inches

- -42 - -20
- -19.999999999 - -10
- -9.999999999 - -5
- -4.999999999 - -2
- -1.999999999 - 0
- 0 - 2
- 2.000000001 - 5
- 5.000000001 - 10
- 10.00000001 - 20












# 1 decimeter ~ 4 inches



Pahsimeroi\_Detrended\_Poly5\_Int\_DecimM

Value

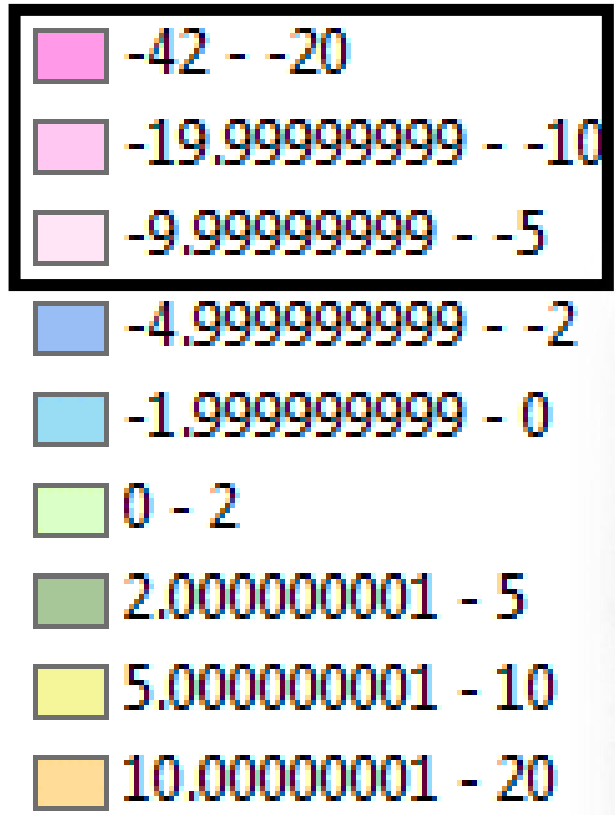
-  -42 - -20
-  -19.999999999 - -10
-  -9.999999999 - -5
-  -4.999999999 - -2
-  -1.999999999 - 0
-  0 - 2
-  2.000000001 - 5
-  5.000000001 - 10
-  10.000000001 - 20



# 1 decimeter ~ 4 inches

Pahsimeroi\_Detrended\_Poly5\_Int\_DecimM

Value












# 1 decimeter ~ 4 inches



Pahsimeroi\_Detrended\_Poly5\_Int\_DeciM

Value

-  -42 - -20
-  -19.999999999 - -10
-  -9.999999999 - -5
-  -4.999999999 - -2
-  -1.999999999 - 0
-  0 - 2**
-  2.000000001 - 5
-  5.000000001 - 10
-  10.000000001 - 20












# 1 decimeter ~ 4 inches



Pahsimeroi\_Detrended\_Poly5\_In

Value

-  -42 - -20
-  -19.999999999 - -10
-  -9.999999999 - -5
-  -4.999999999 - -2
-  -1.999999999 - 0
-  0 - 2
-  2.0000000001 - 5
-  5.0000000001 - 10
-  10.0000000001 - 20












# 1 decimeter ~ 4 inches

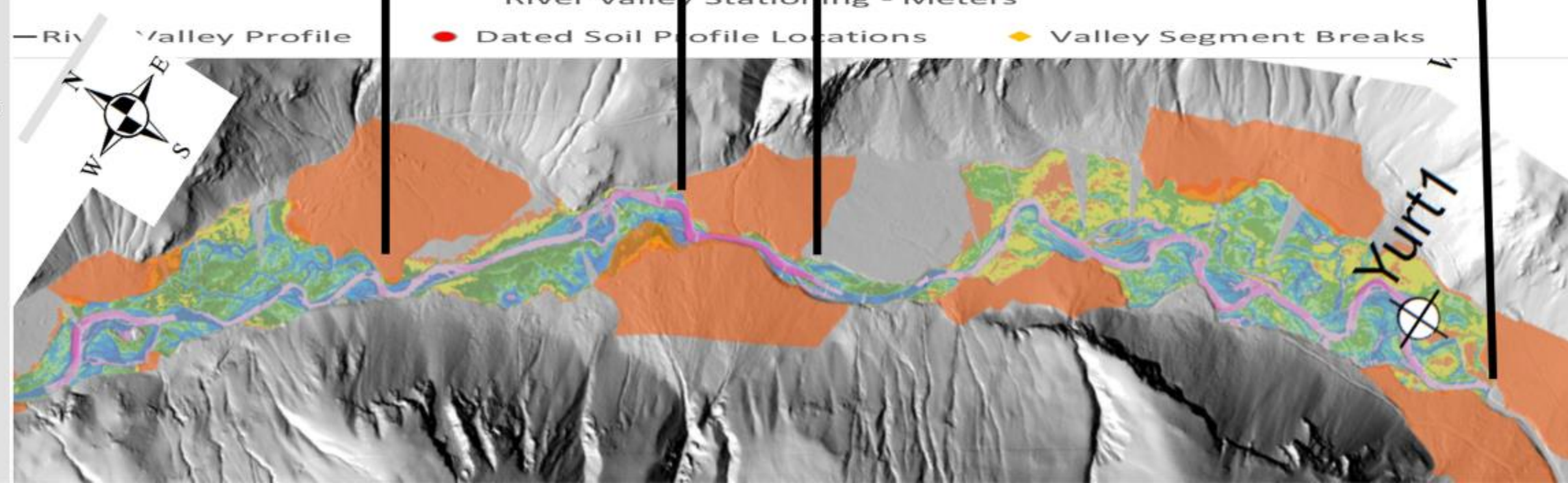
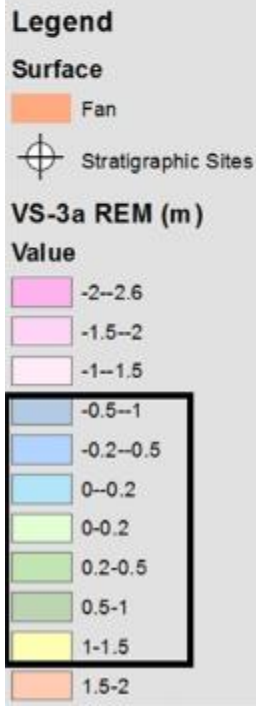
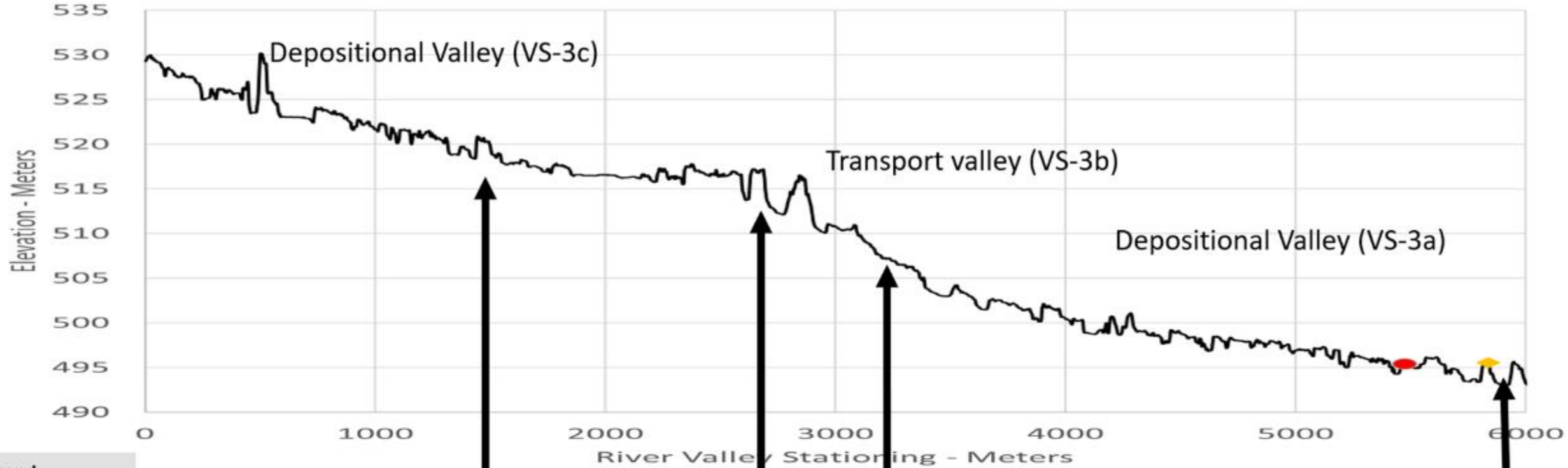


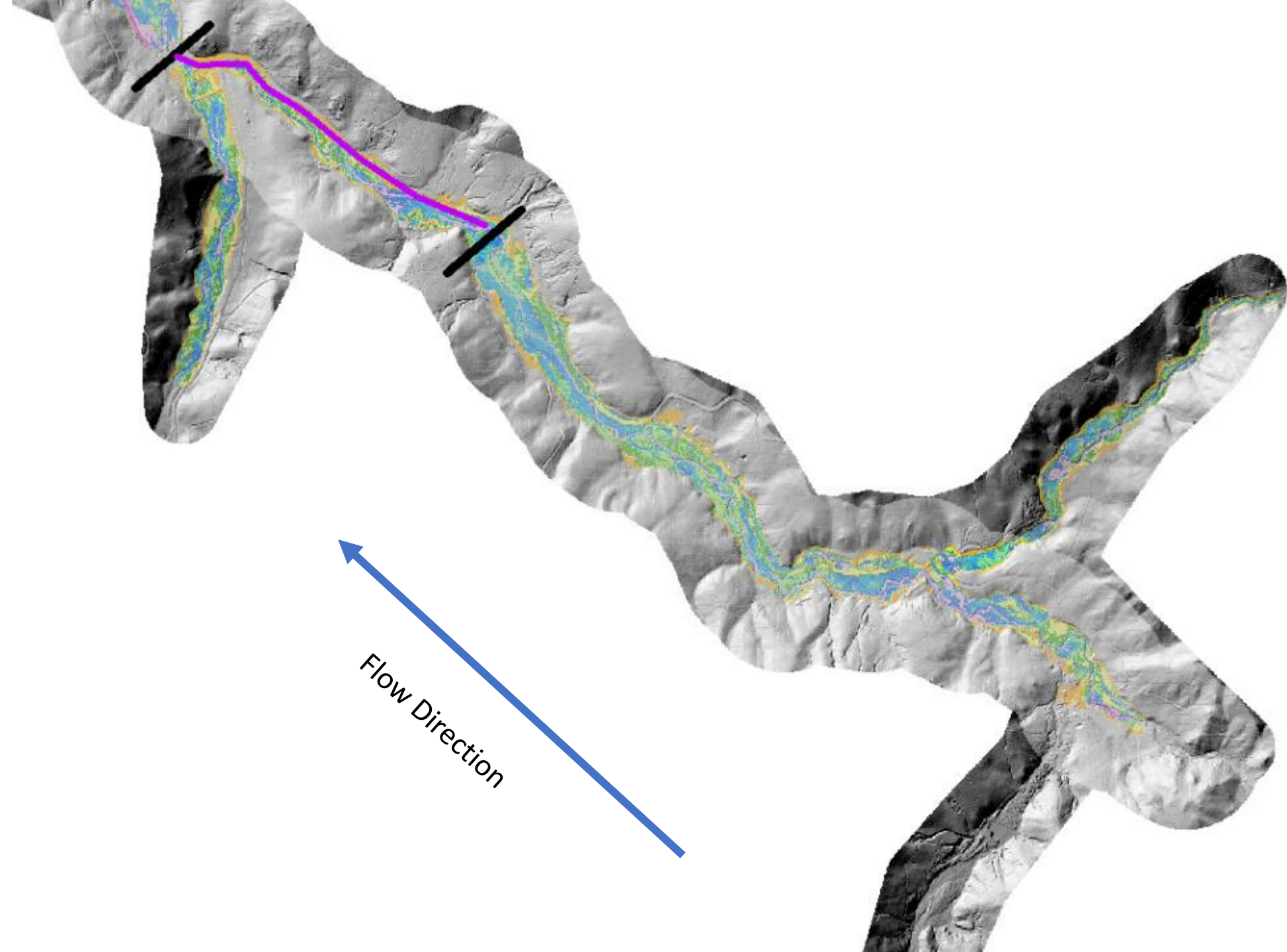
Pahsimeroi\_Detrended\_Poly5\_Int\_DecimM

Value

-  -42 - -20
-  -19.999999999 - -10
-  -9.999999999 - -5
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-  -1.999999999 - 0
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-  5.000000001 - 10
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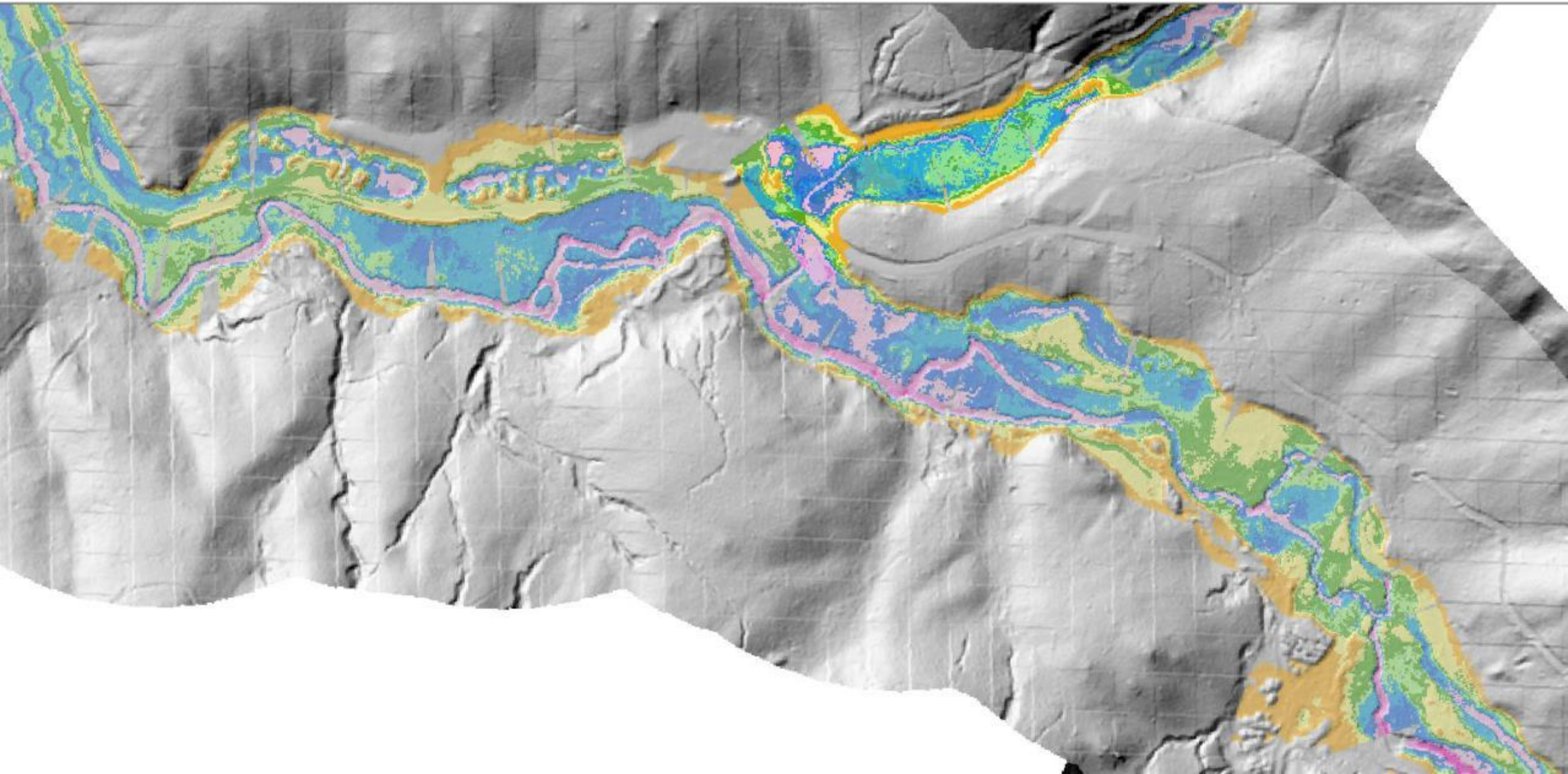


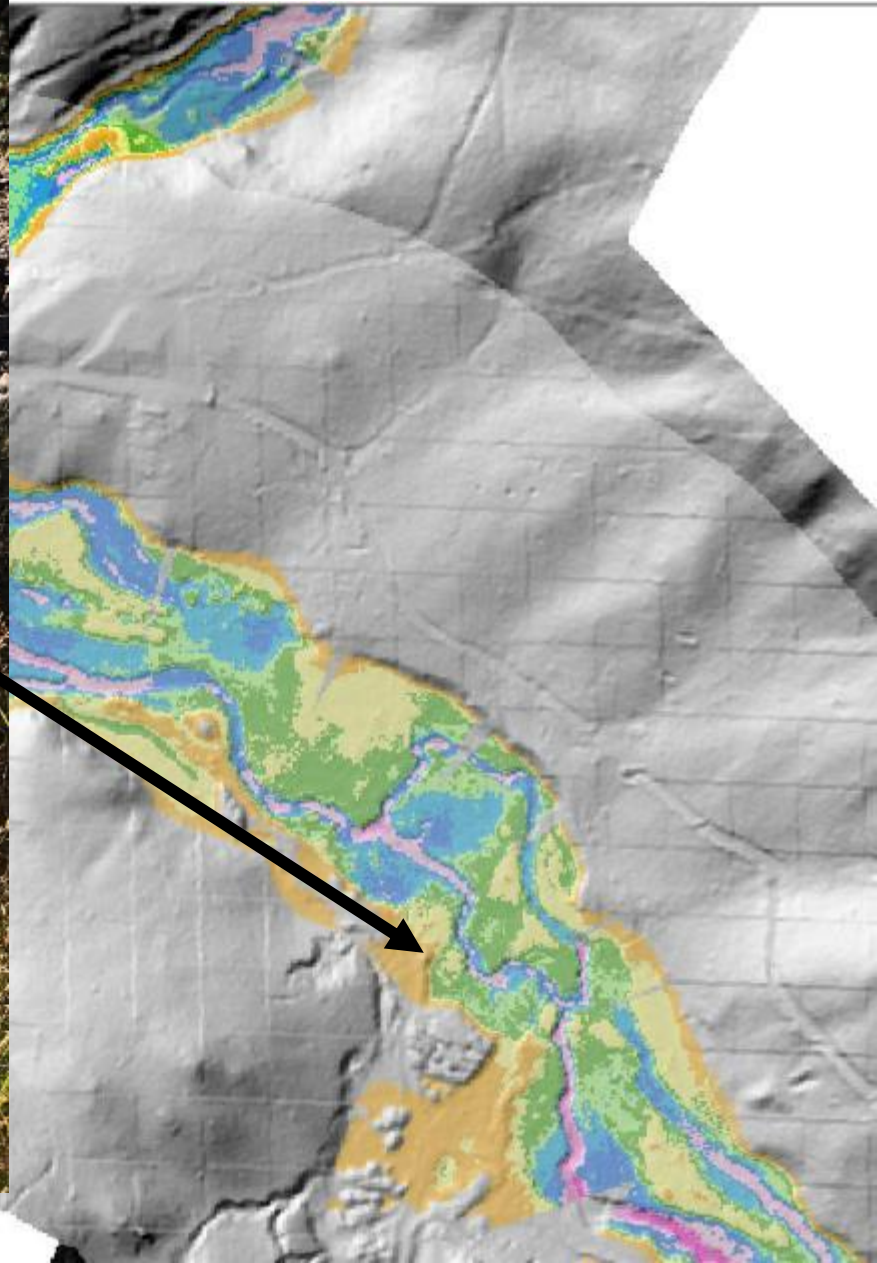


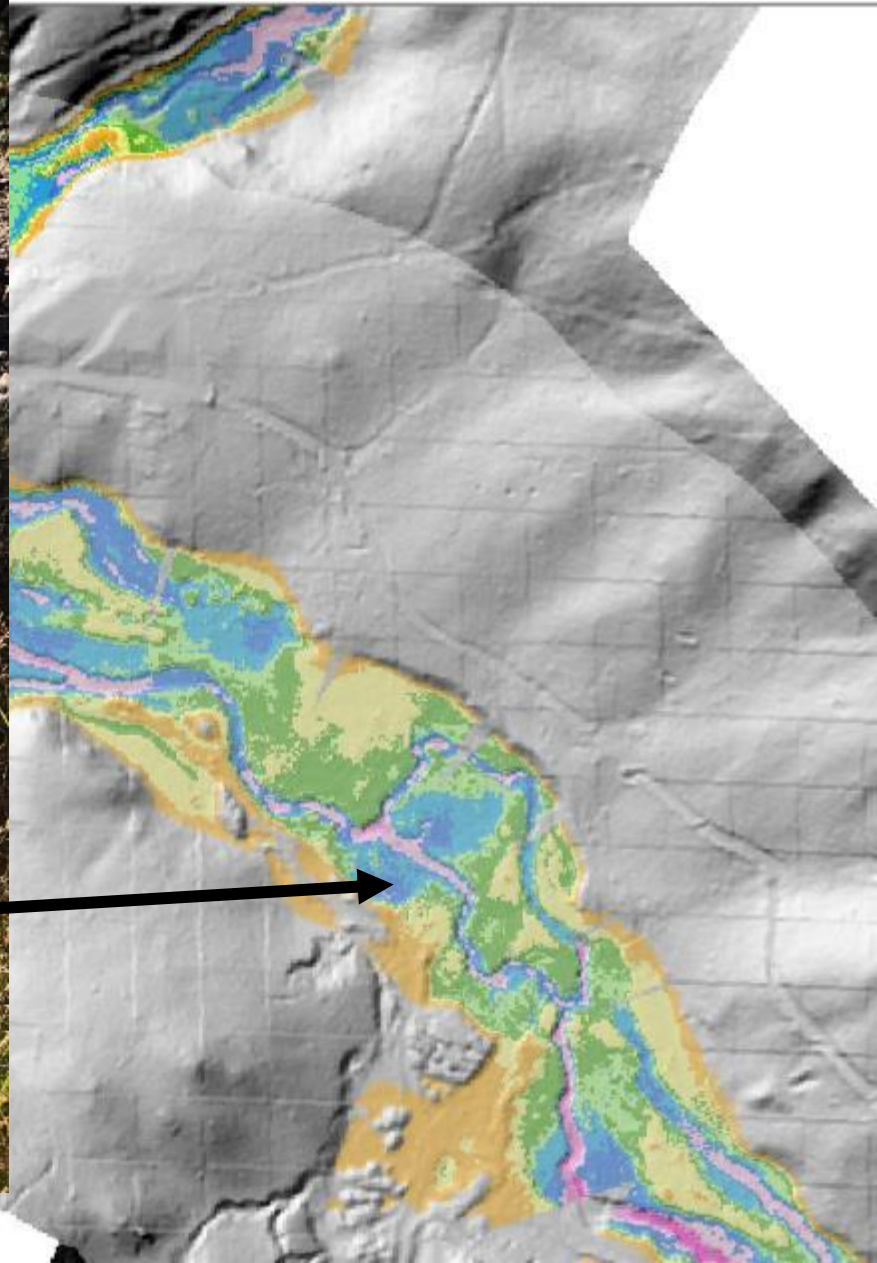


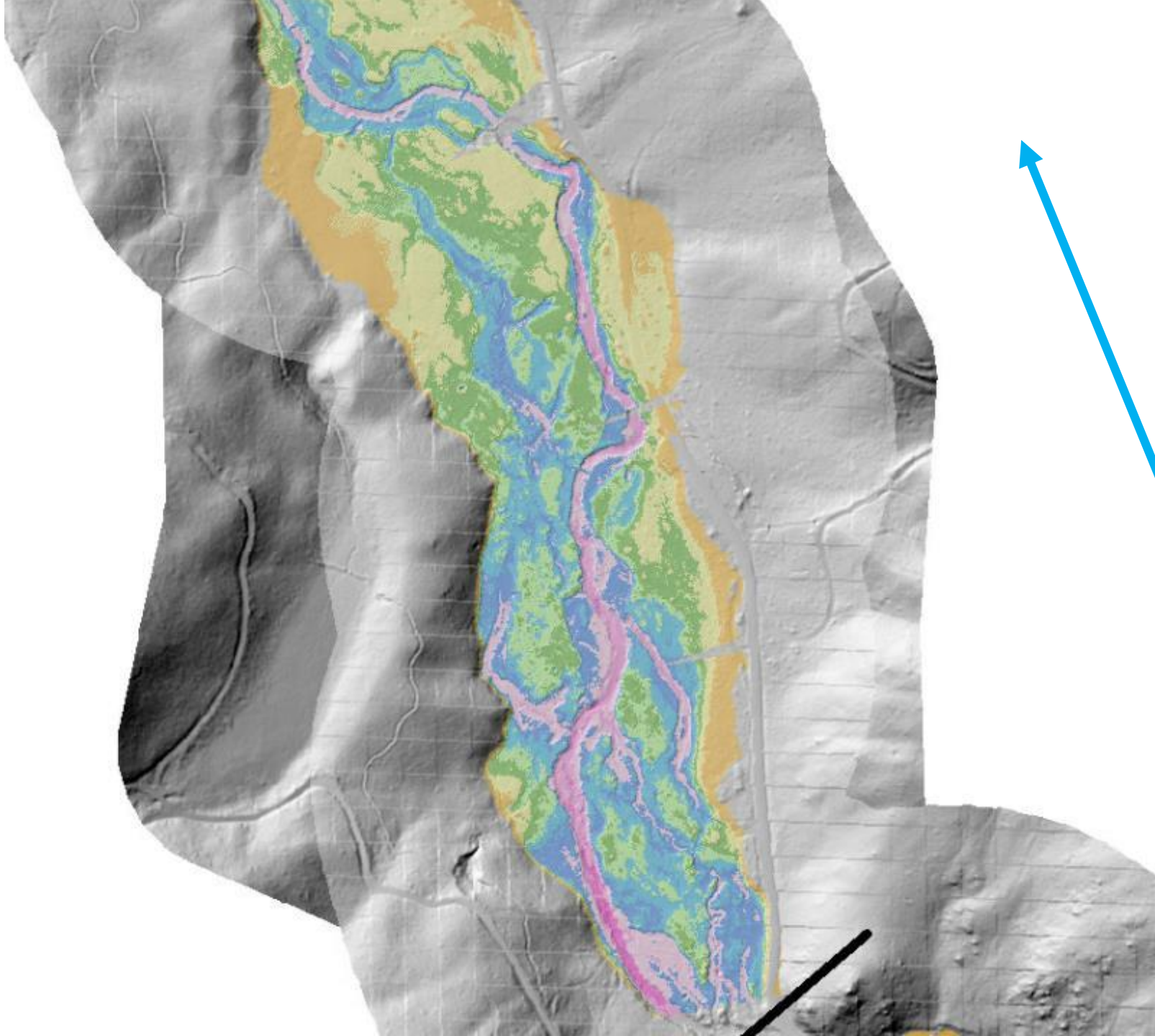
Flow Direction



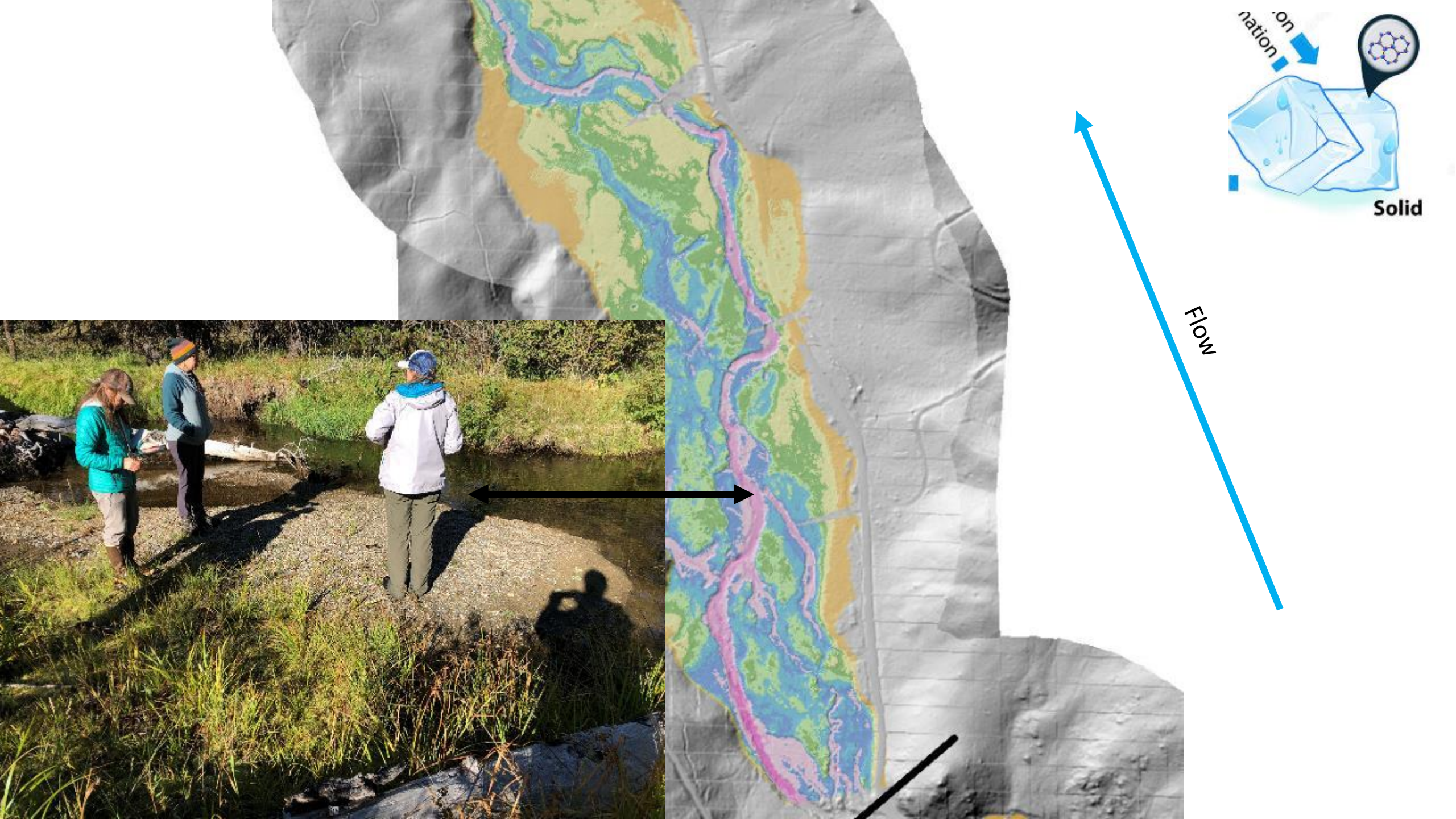


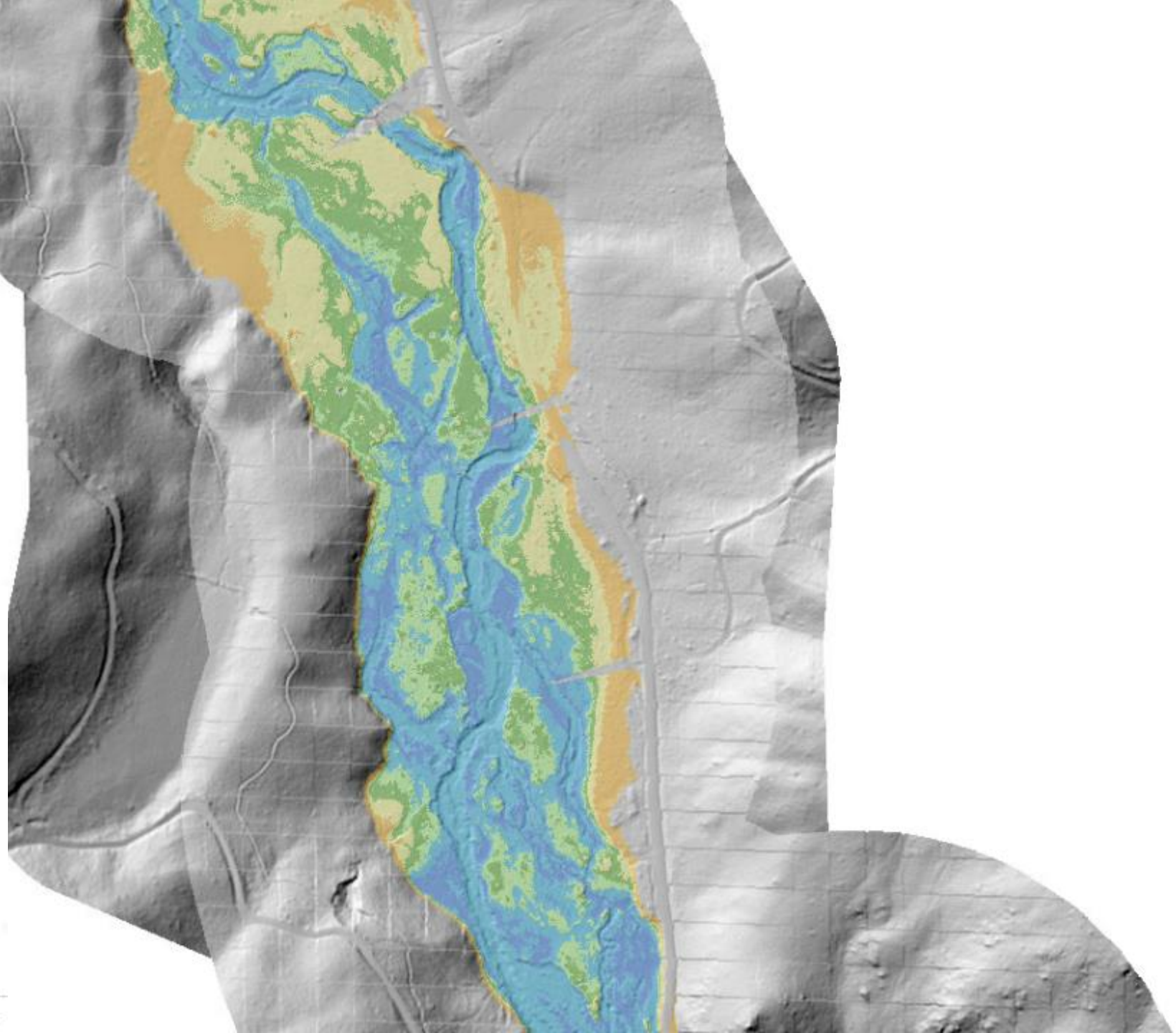


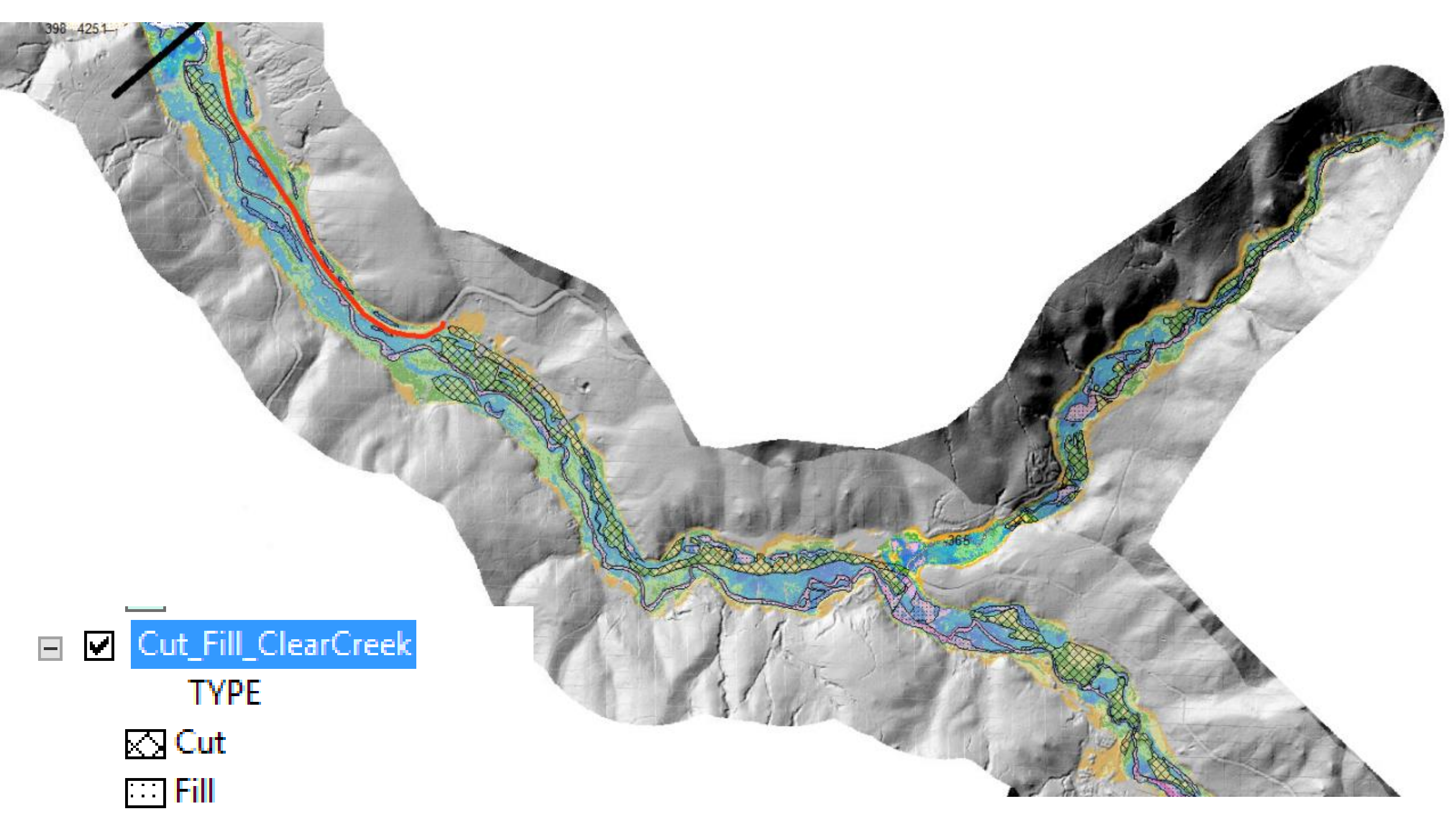




FLOW







398 4251

365



Cut\_Fill\_ClearCreek

TYPE



Cut



Fill









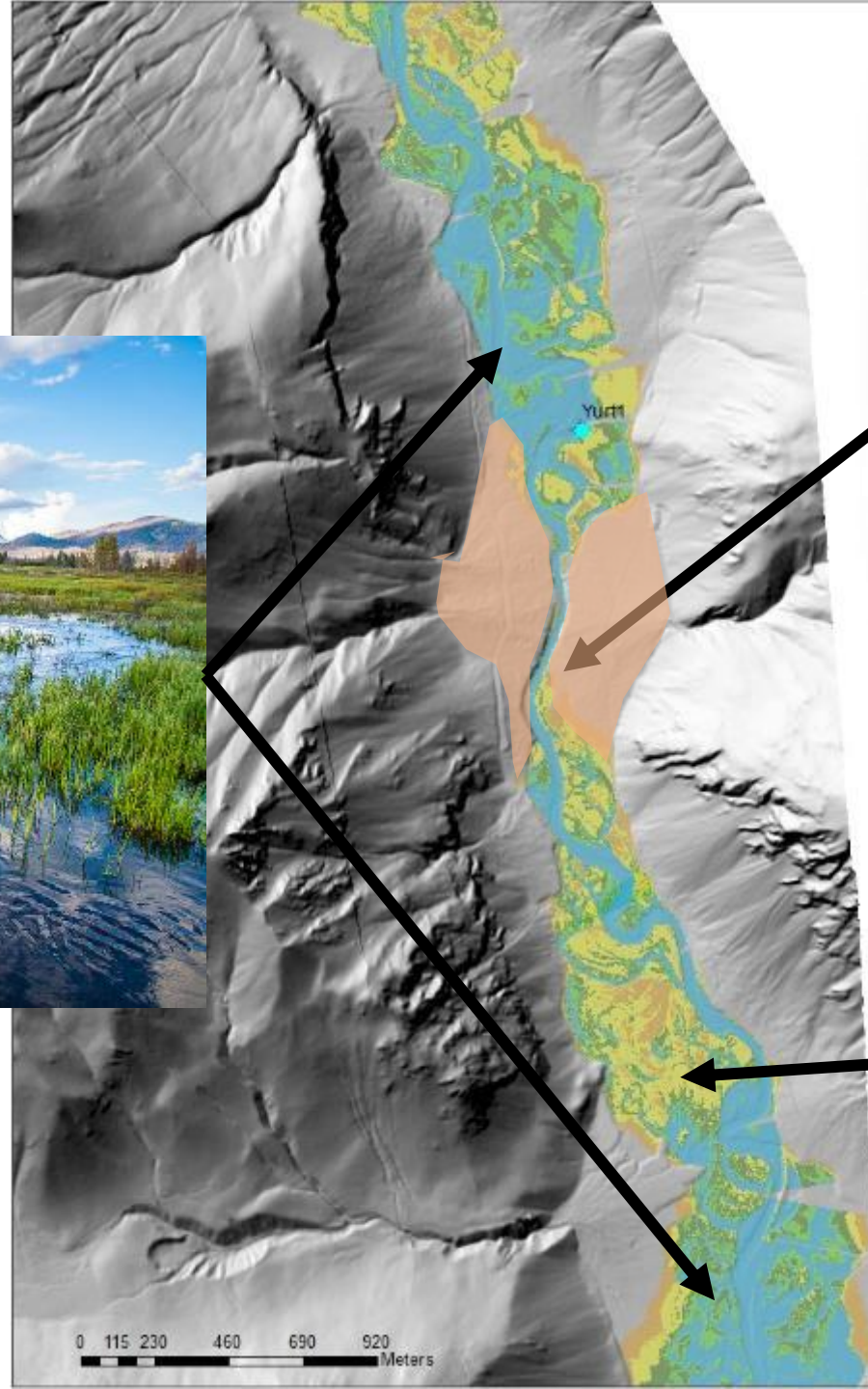








Photo: Brian Cluer



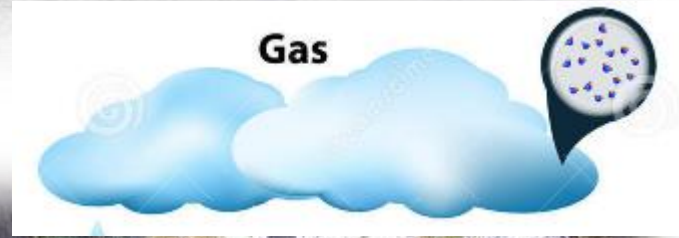
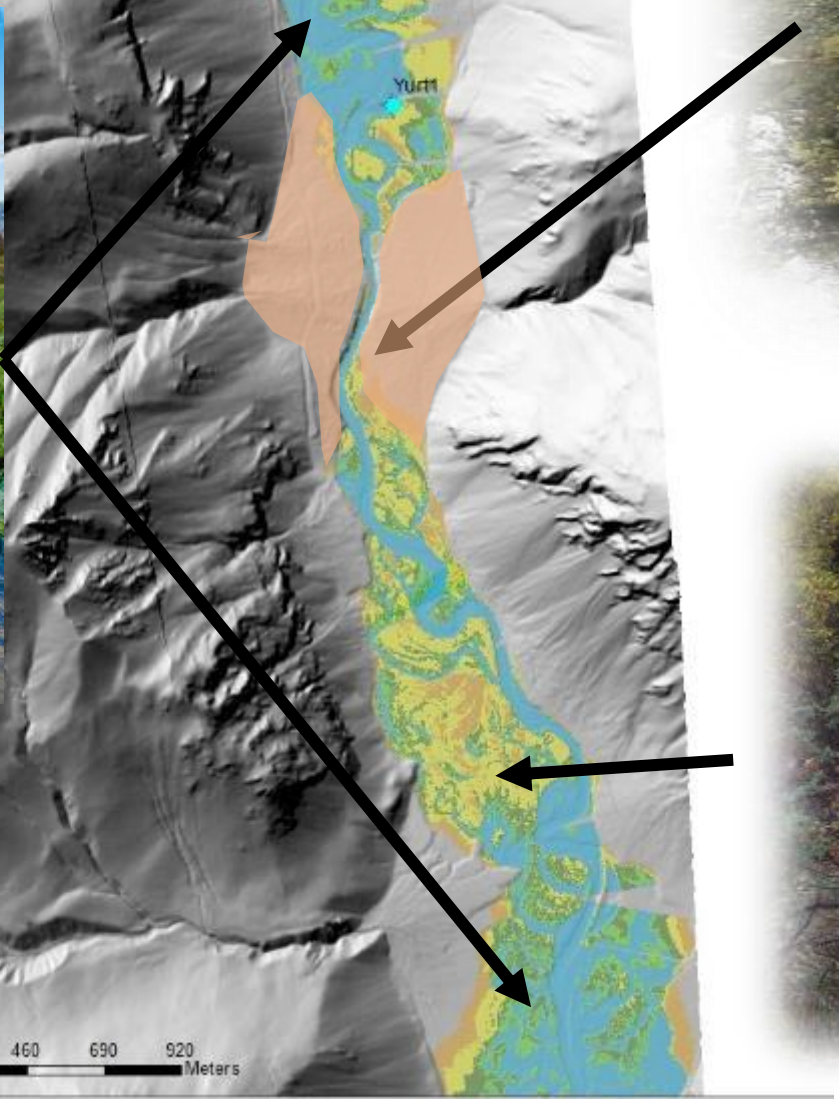
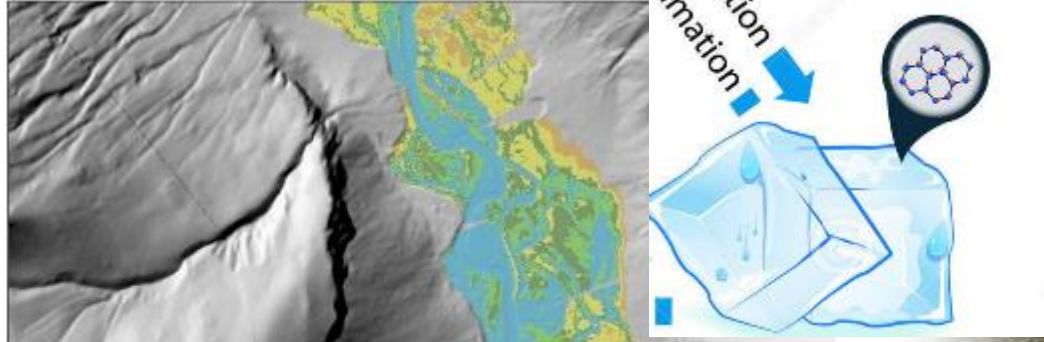
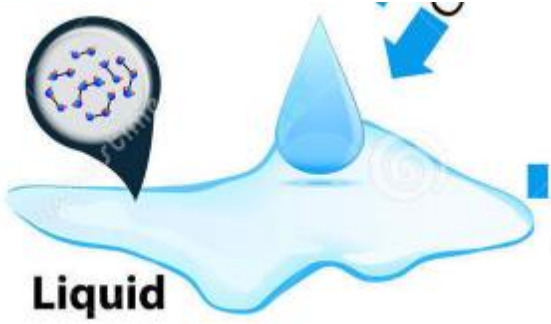


Photo: Brian Cluer



Photo: Kate Meyer

Current Wetted Habitat= 2.9 million square meters \* 15/100 sq meters = 435,000 parr





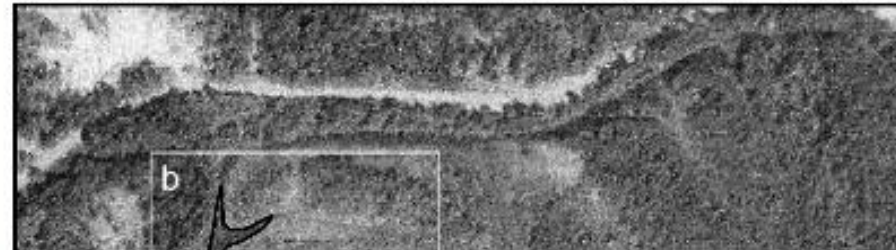
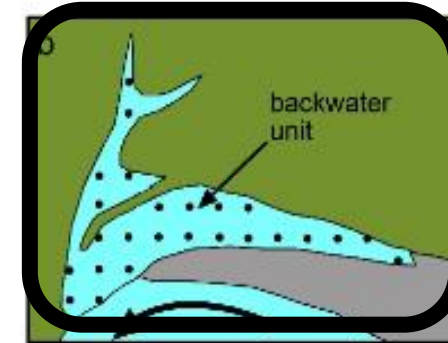
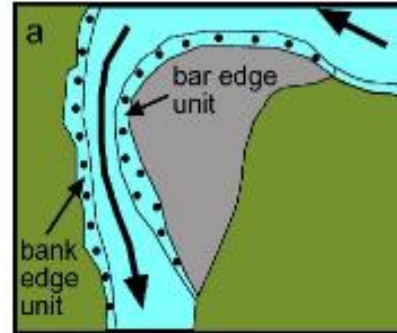
Photo: Kate Meyer

Current Wetted Habitat= 2.9 million square meters \* 15/100 sq meters = 435,000 parr

Zero Wetted Habitat= 19 million square meters \* 15/100 sq meters = 2.85 million parr

# Fish use of main channel habitats

Habitat Type	Spring and summer fish density (fish/m <sup>2</sup> )	
	Coho	Chinook
Bank edge	1.96	1.27
Rip-rap bank	0.96	0.64
Bar (sand)	0	0.32
<b>Backwater</b>	<b>1.86</b>	<b>1.91</b>



Current Wetted Habitat= 2.9 million square meters \* 15/100 sq meters = 435,000 parr

Zero Wetted Habitat= 19 million square meters \* 15/100 sq meters = 2.85 million parr

“Anthropocene rivers are largely imprisoned in the banks of their history.” —

*Anthony Brown, 2018*

