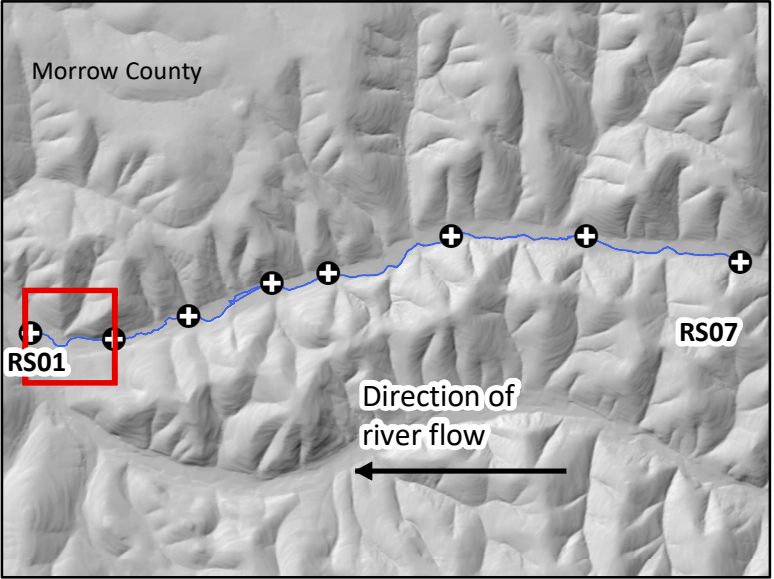
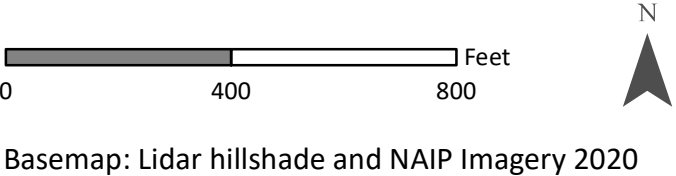


**Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon**

Morrow County  
Hinton Creek, River Segment 1

- River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



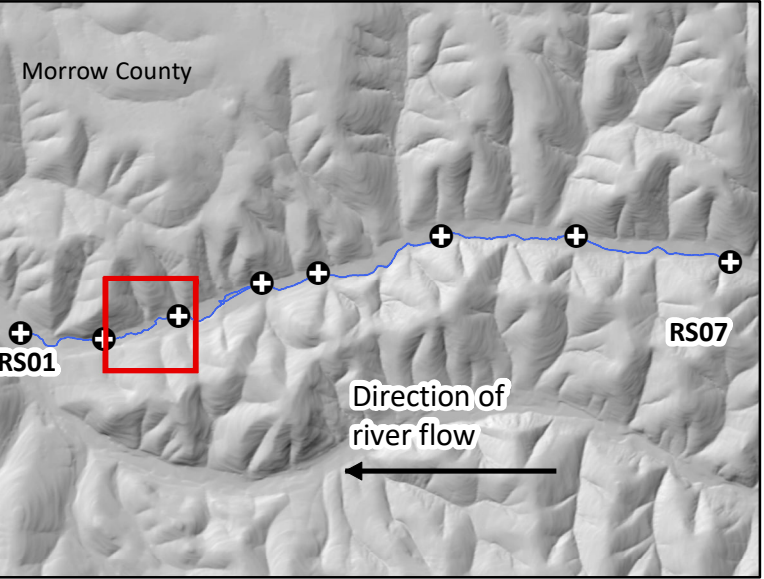
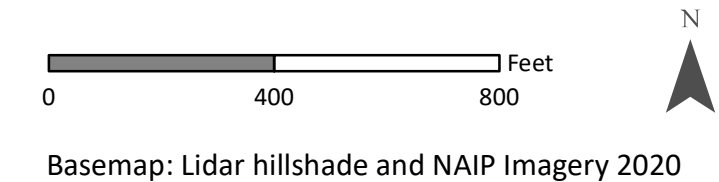
Location map with Hinton Creek, river segments, and current extent of map highlighted in red.



Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Hinton Creek, River Segment 2

- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



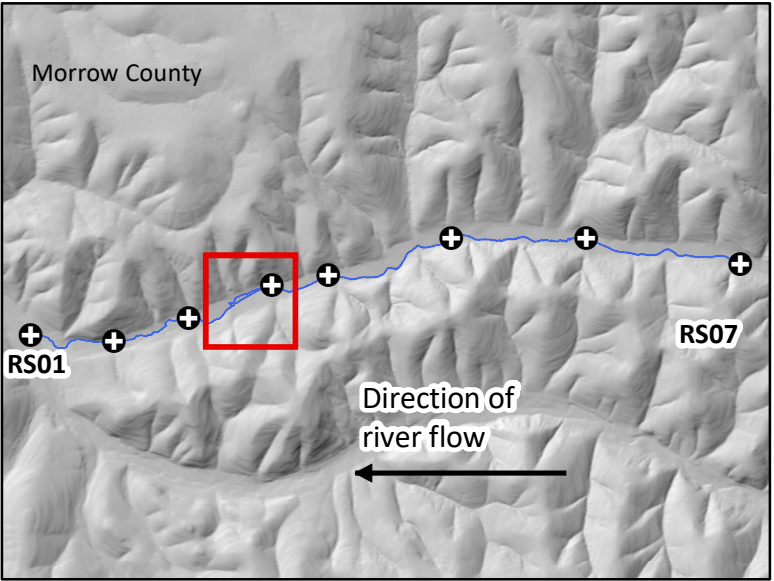
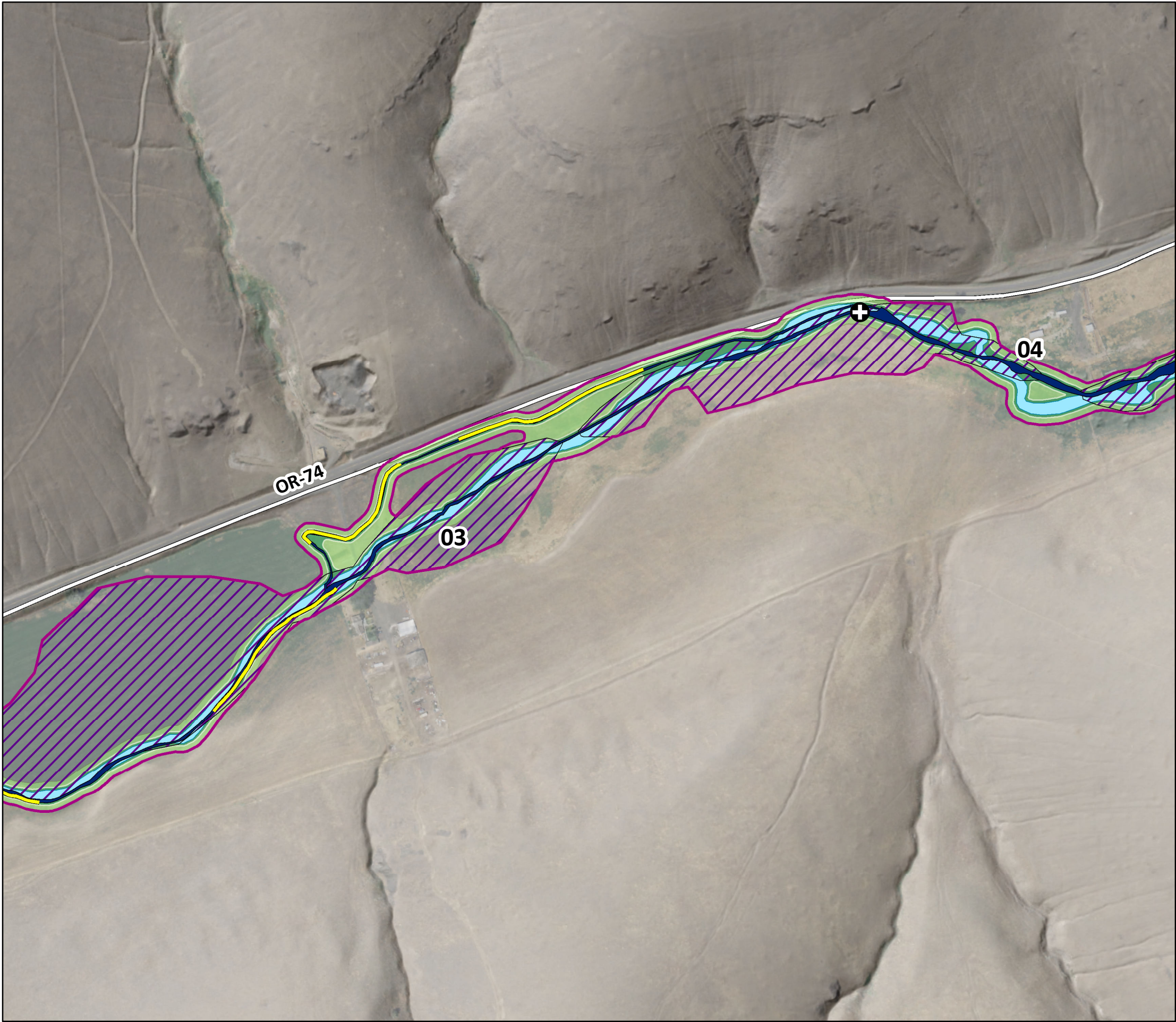
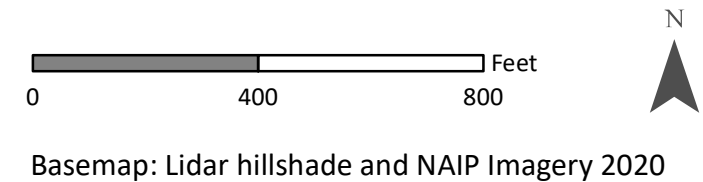
Location map with Hinton Creek, river segments, and current extent of map highlighted in red.



Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

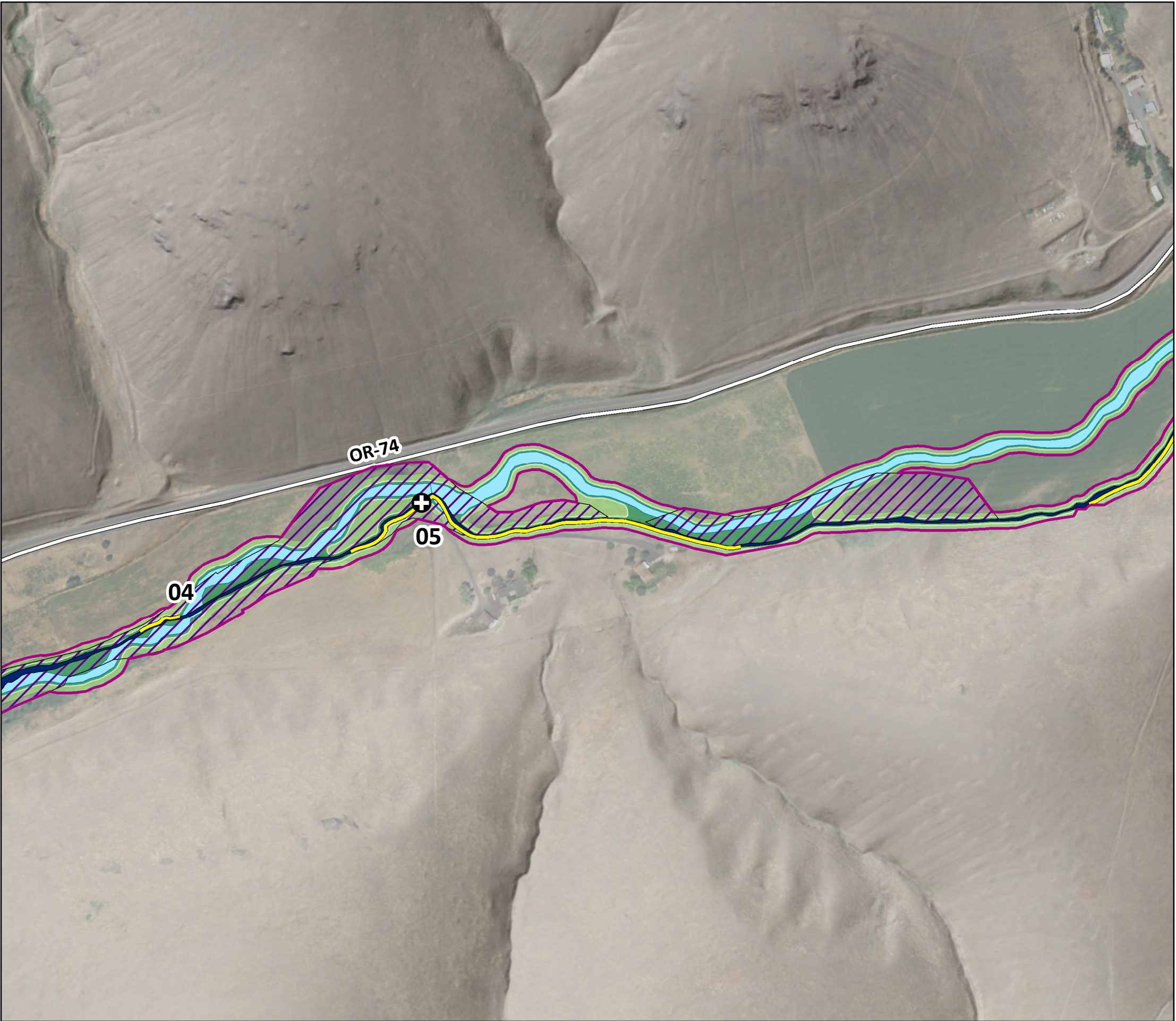
Morrow County  
Hinton Creek, River Segments 3-4

- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road














Location map with Hinton Creek, river segments, and current extent of map highlighted in red.

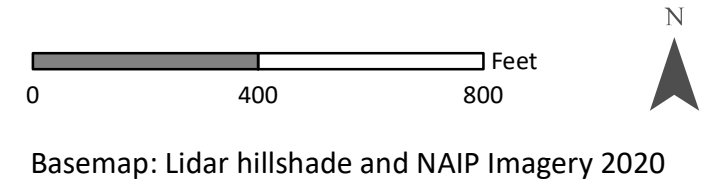




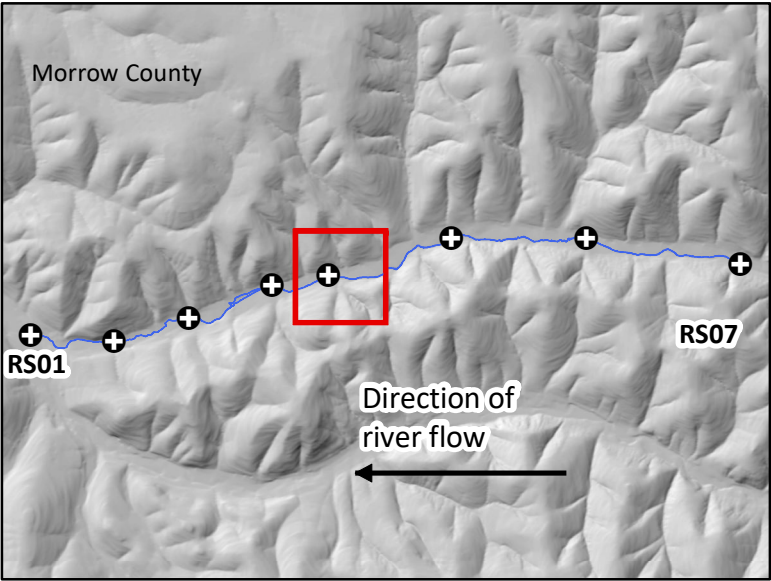
**Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon**

Morrow County  
Hinton Creek, River Segments 4-5

-  River segment break points
-  Channel migration zone
-  Active channel
-  Avulsion hazard area
-  Historical migration area
-  30-year erosion hazard area
-  100-year erosion hazard area
-  Flagged: adjacent to landslide deposit
-  Flagged: change between 1995-2020
-  Flagged: adjacent to landslide and change observed
-  Major road

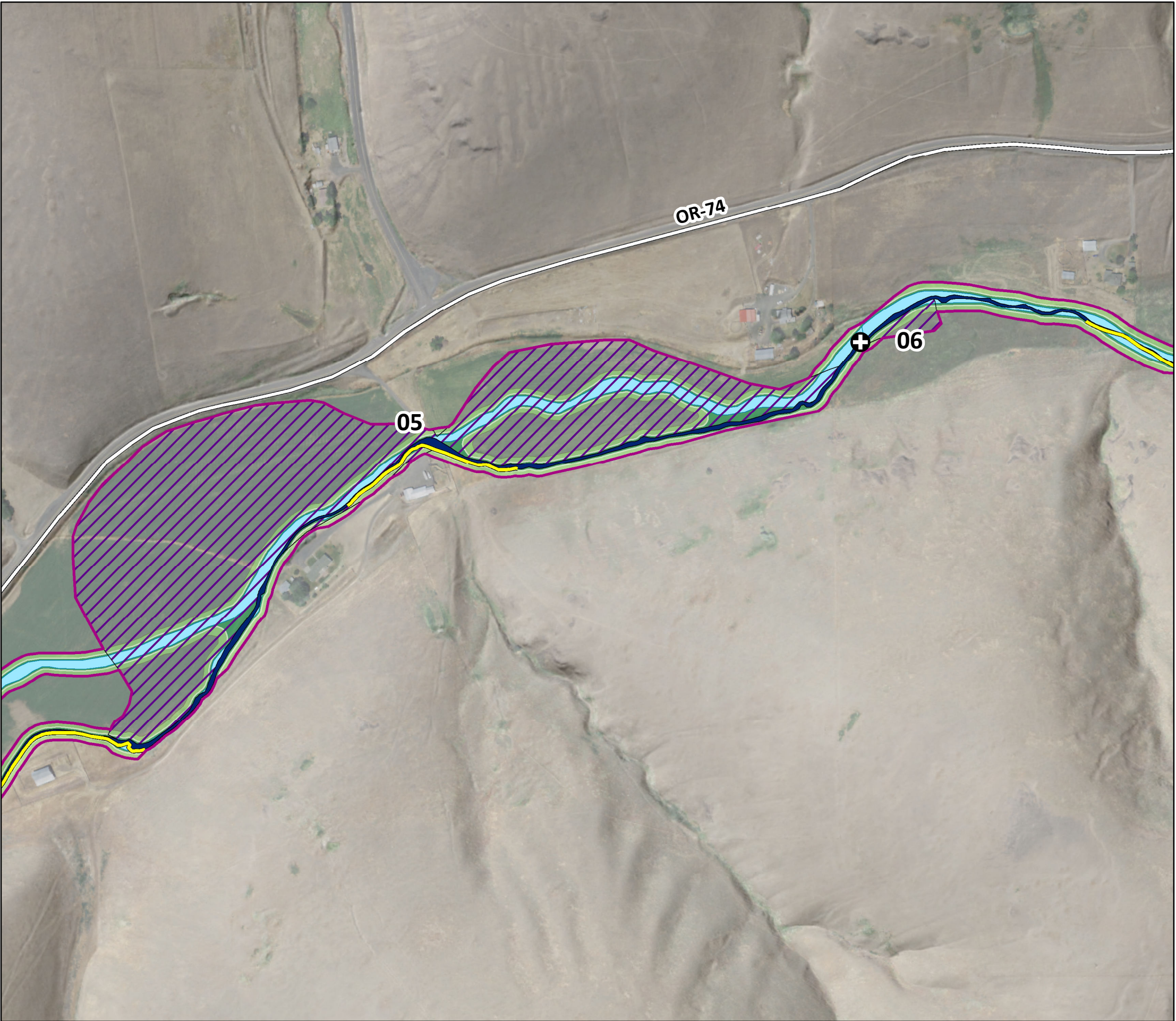


Basemap: Lidar hillshade and NAIP Imagery 2020



Location map with Hinton Creek, river segments, and current extent of map highlighted in red.

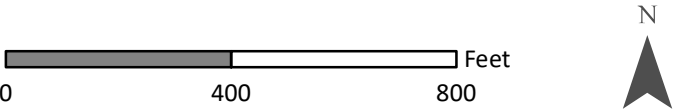




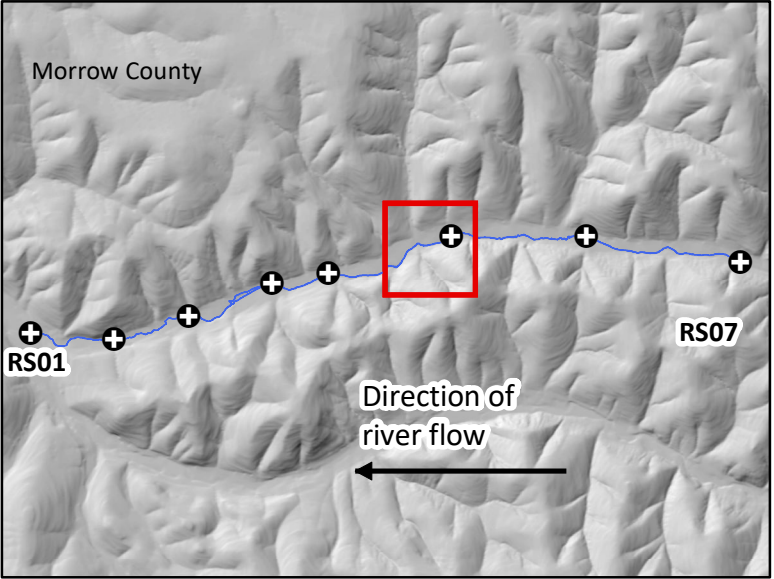
**Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon**

Morrow County  
Hinton Creek, River Segments 5-6

- River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



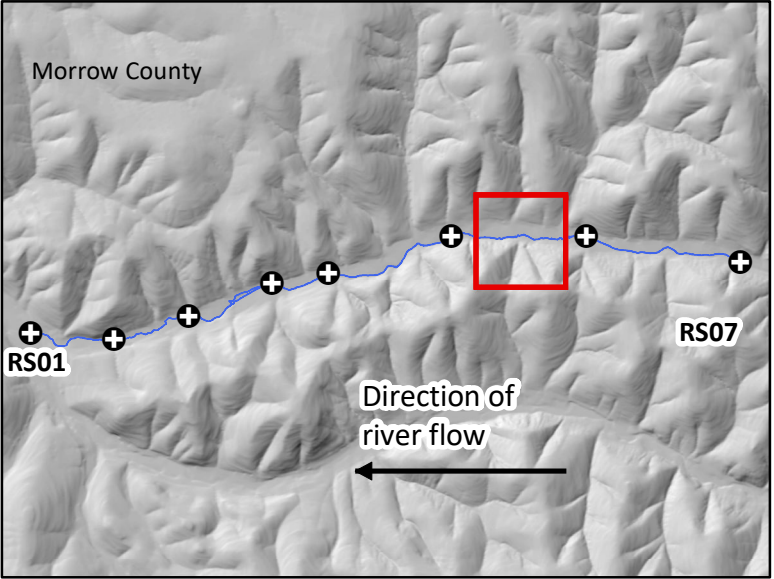
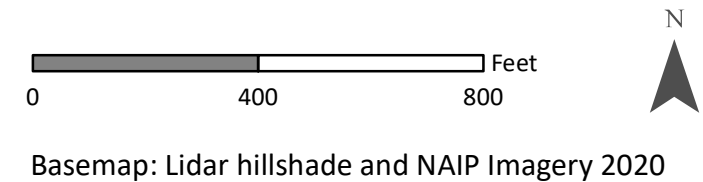
Location map with Hinton Creek, river segments, and current extent of map highlighted in red.



Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Hinton Creek, River Segment 6

- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



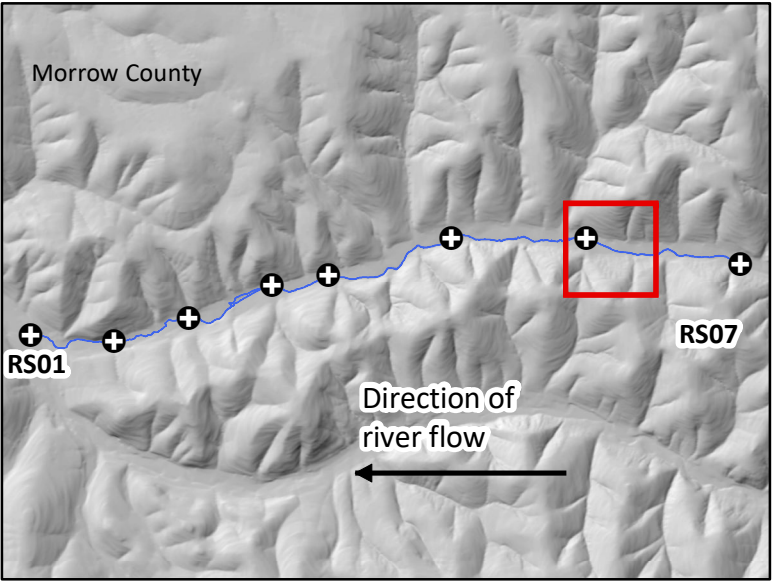
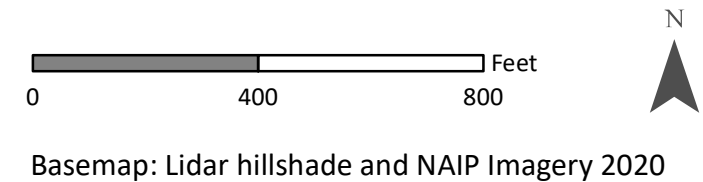
Location map with Hinton Creek, river segments, and current extent of map highlighted in red.



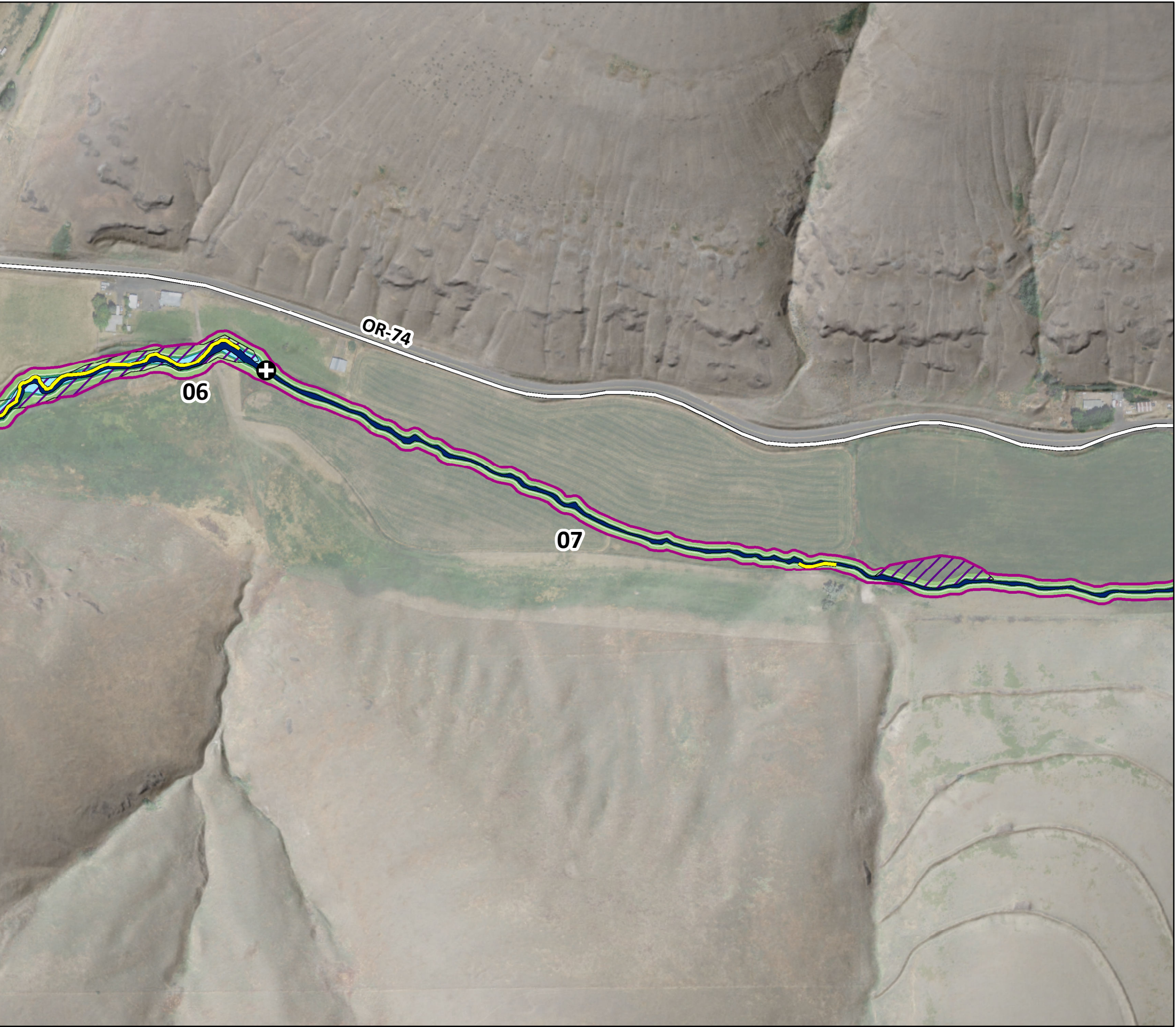
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Hinton Creek, River Segments 6-7

- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Location map with Hinton Creek, river segments, and current extent of map highlighted in red.

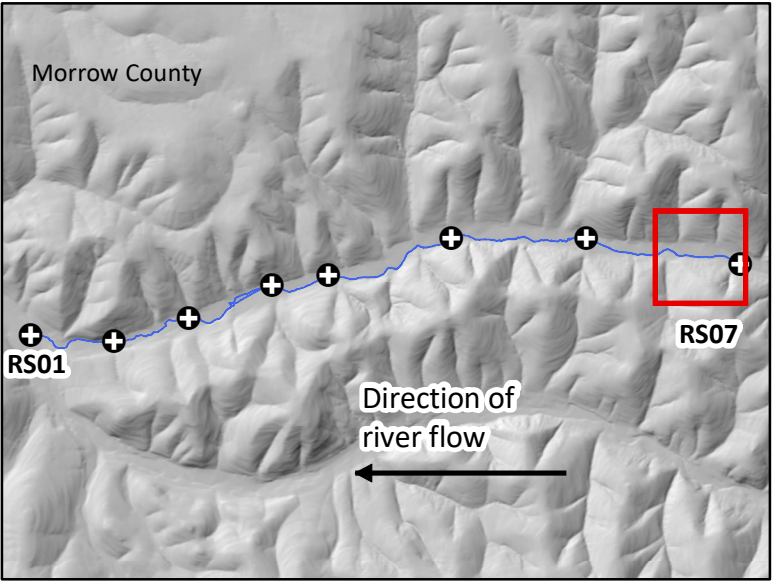
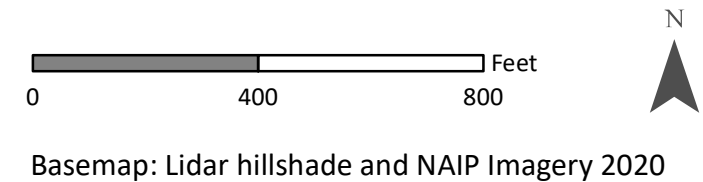




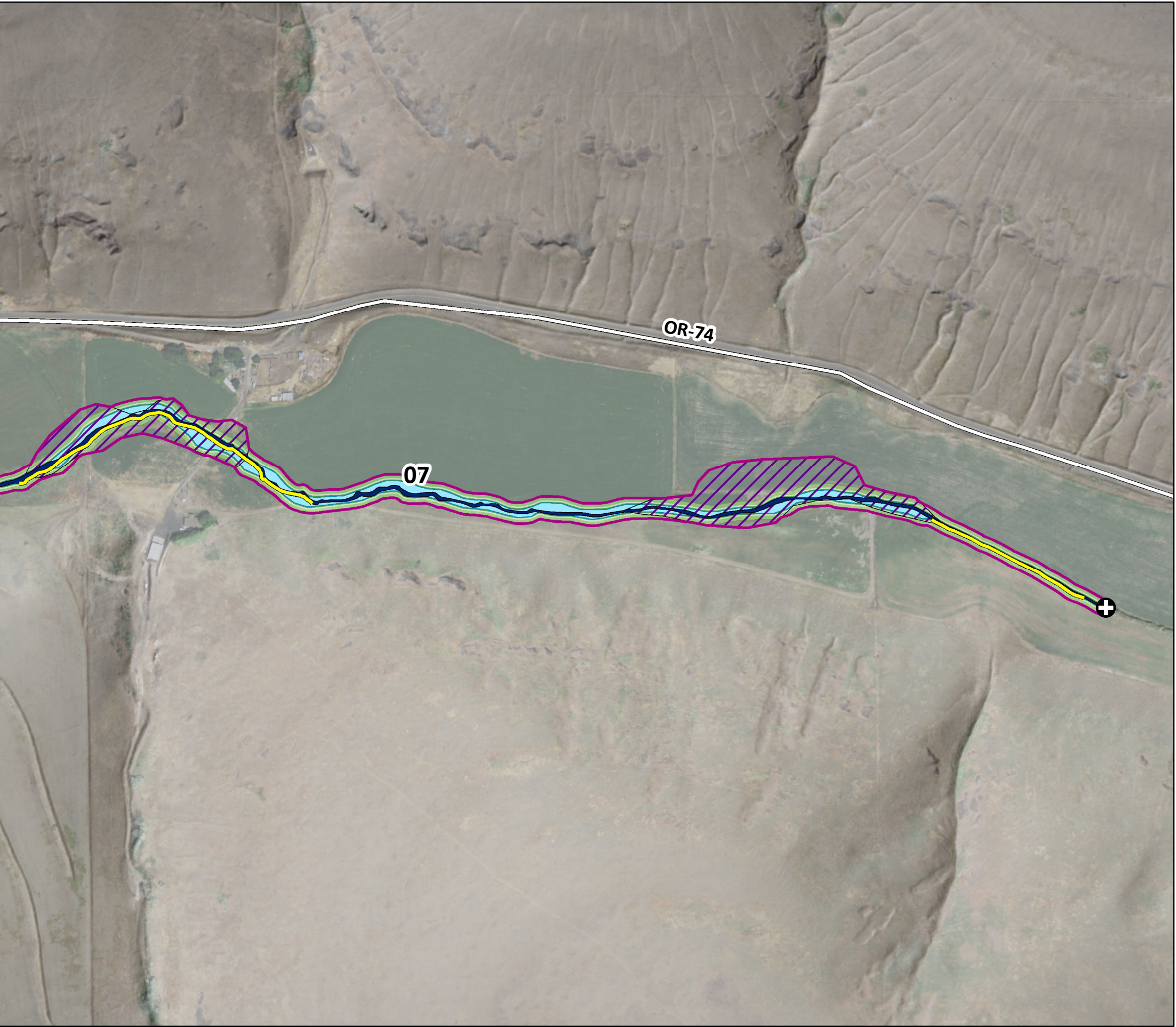
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Hinton Creek, River Segment 7

- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Location map with Hinton Creek, river segments, and current extent of map highlighted in red.



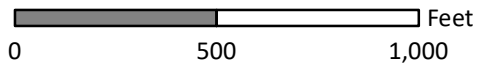


Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

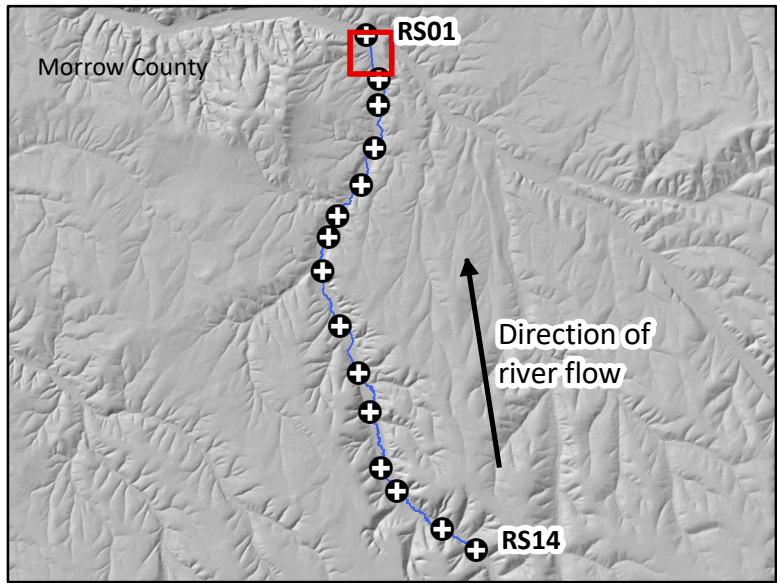
Morrow County

Rhea Creek, River Segment 1

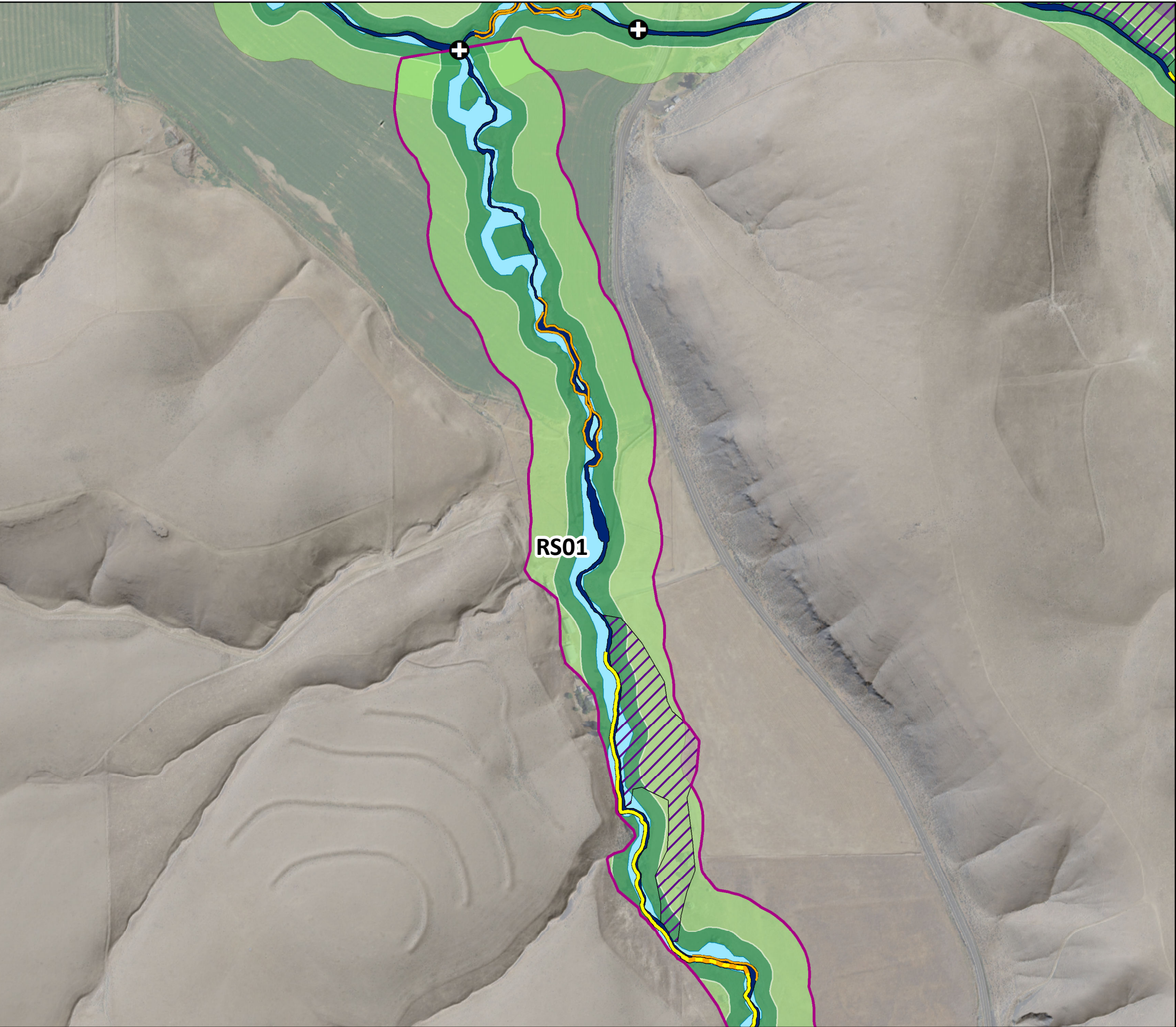
- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



Location map with Rhea Creek, river segments, and current extent of map highlighted in red.














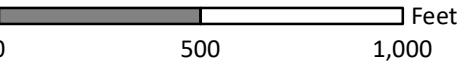


Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

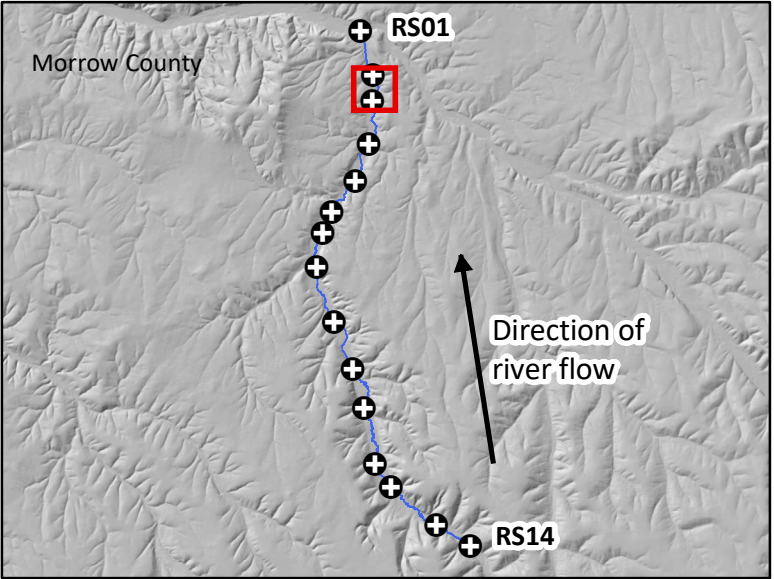
Morrow County

Rhea Creek, River Segments 1-3

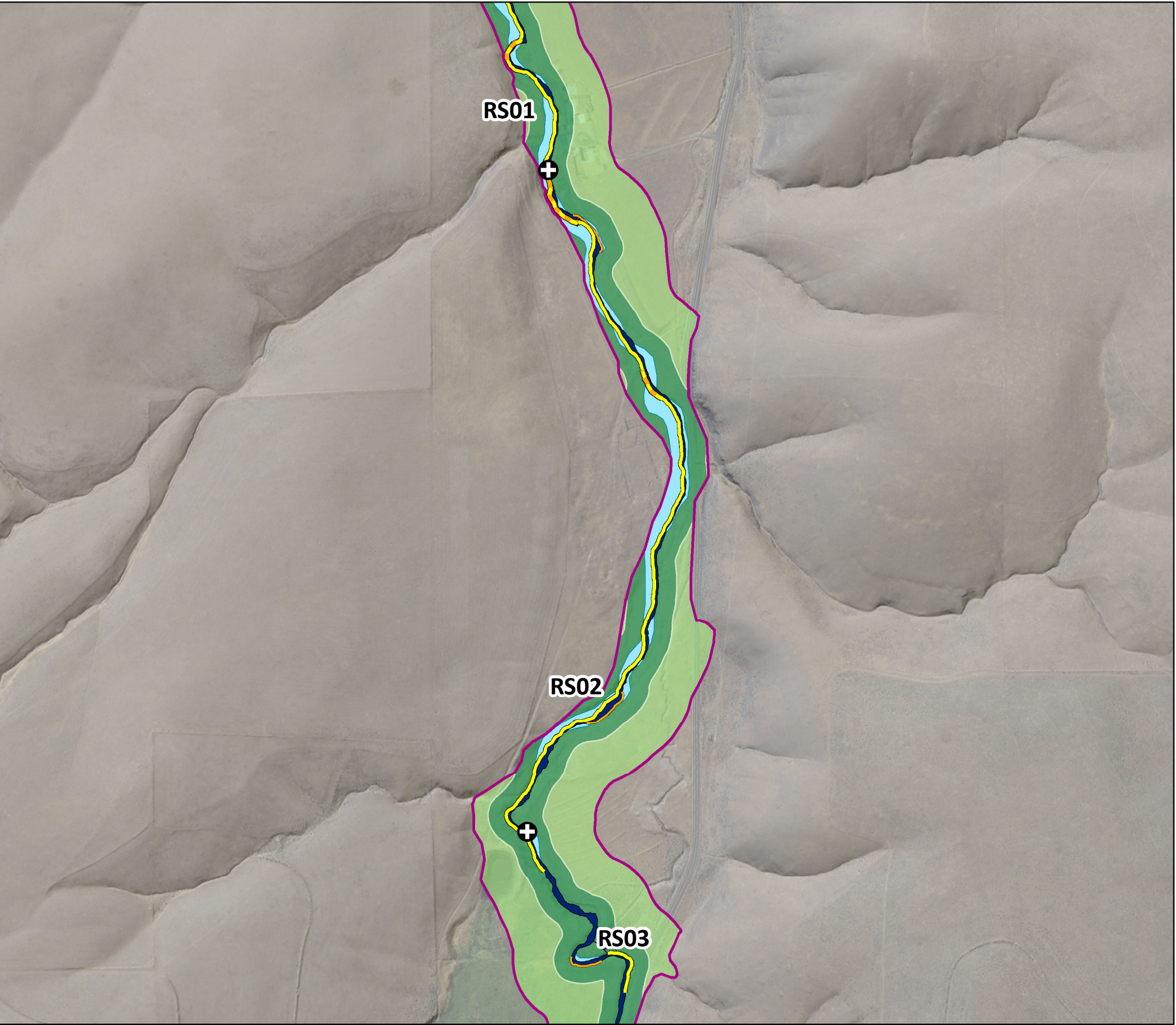
-  River segment break points
-  Channel migration zone
-  Active channel
-  Avulsion hazard area
-  Historical migration area
-  30-year erosion hazard area
-  100-year erosion hazard area
-  Flagged: adjacent to landslide deposit
-  Flagged: change between 1995-2020
-  Flagged: adjacent to landslide and change observed
-  Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



Location map with Rhea Creek, river segments, and current extent of map highlighted in red.














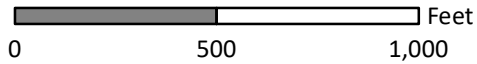


Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

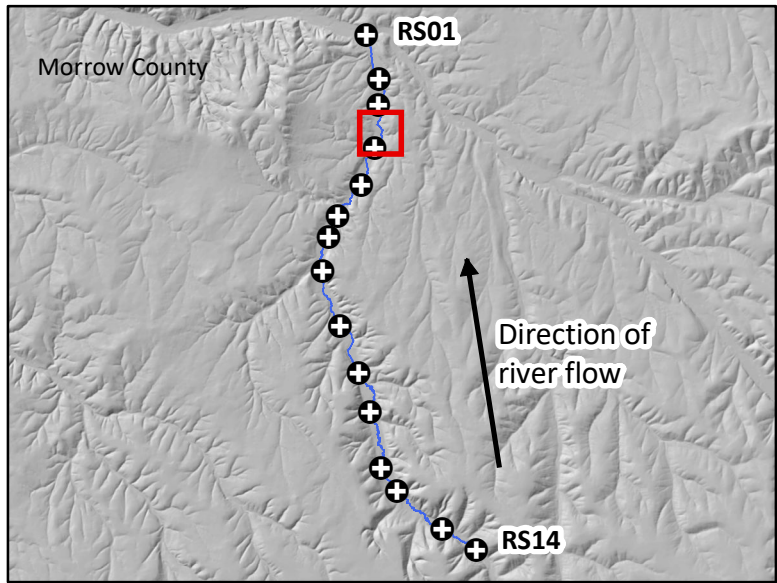
Morrow County

Rhea Creek, River Segments 3-4

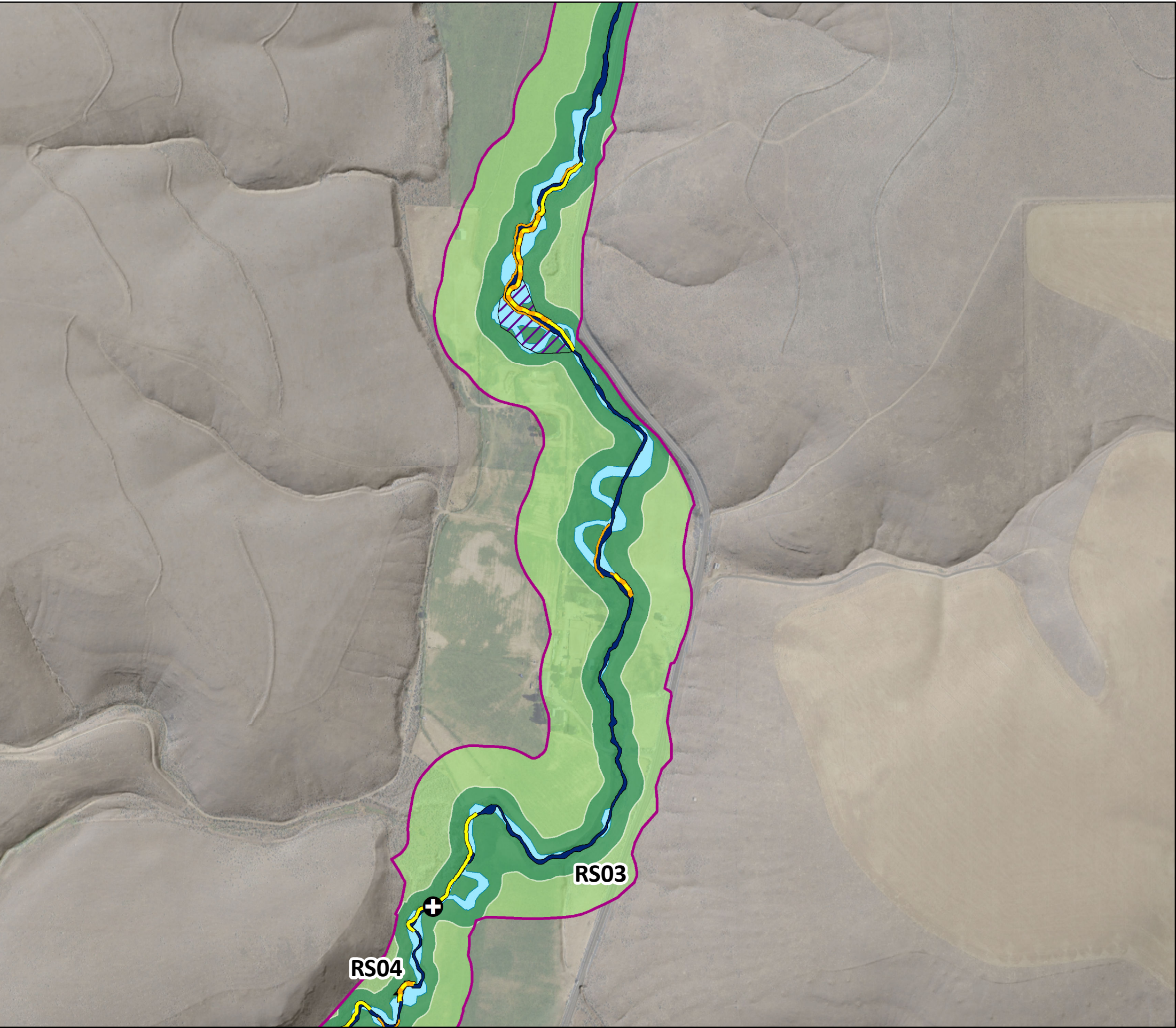
-  River segment break points
-  Channel migration zone
-  Active channel
-  Avulsion hazard area
-  Historical migration area
-  30-year erosion hazard area
-  100-year erosion hazard area
-  Flagged: adjacent to landslide deposit
-  Flagged: change between 1995-2020
-  Flagged: adjacent to landslide and change observed
-  Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



Location map with Rhea Creek, river segments, and current extent of map highlighted in red.














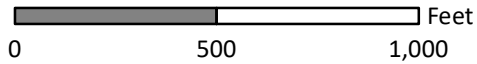


Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

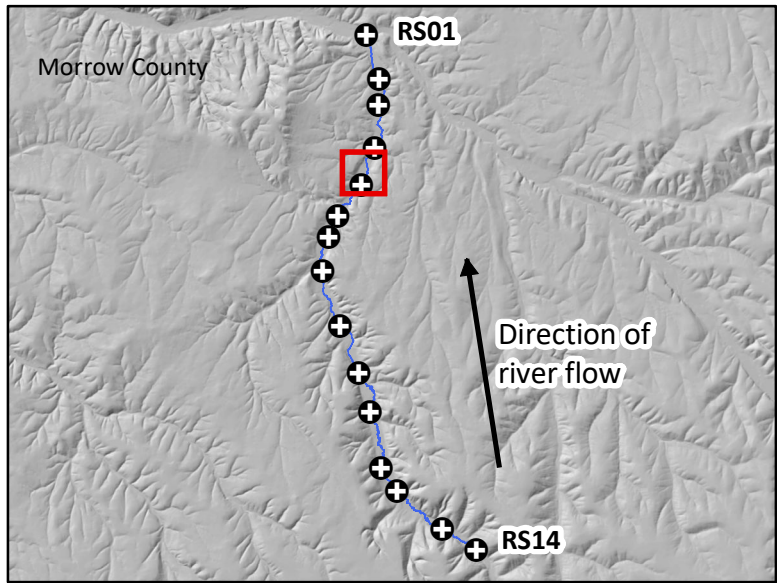
Morrow County

Rhea Creek, River Segments 4-5

-  River segment break points
-  Channel migration zone
-  Active channel
-  Avulsion hazard area
-  Historical migration area
-  30-year erosion hazard area
-  100-year erosion hazard area
-  Flagged: adjacent to landslide deposit
-  Flagged: change between 1995-2020
-  Flagged: adjacent to landslide and change observed
-  Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



Location map with Rhea Creek, river segments, and current extent of map highlighted in red.

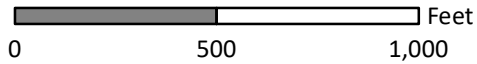


Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

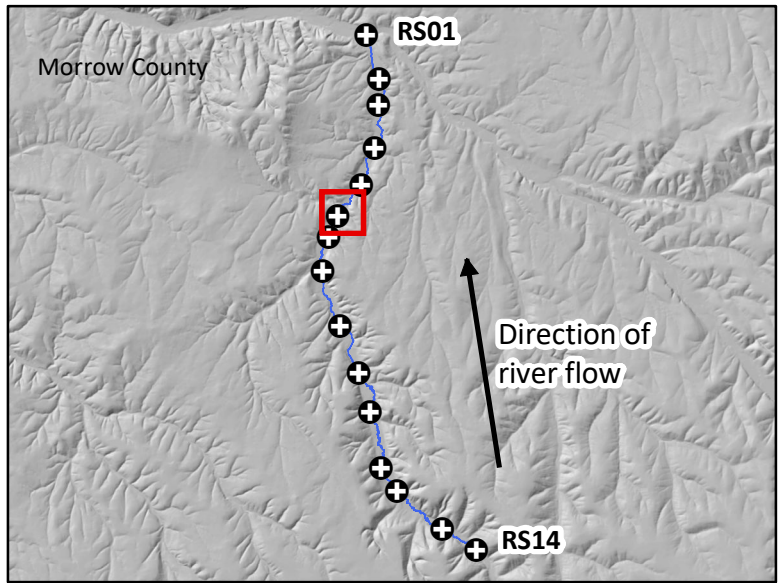
Morrow County

Rhea Creek, River Segments 5-6

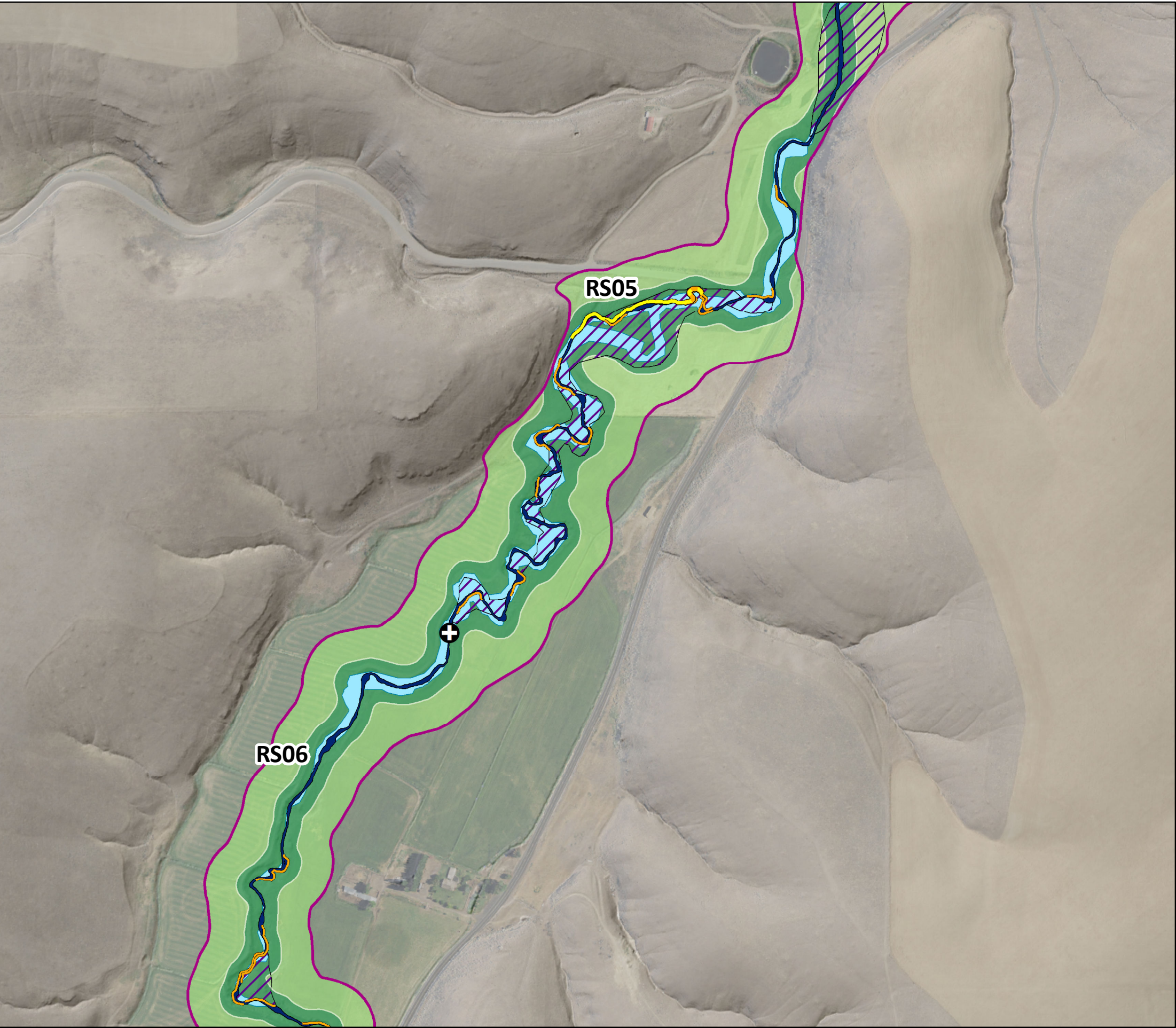
- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



Location map with Rhea Creek, river segments, and current extent of map highlighted in red.



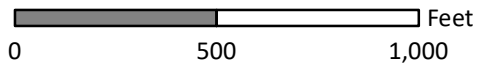


Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

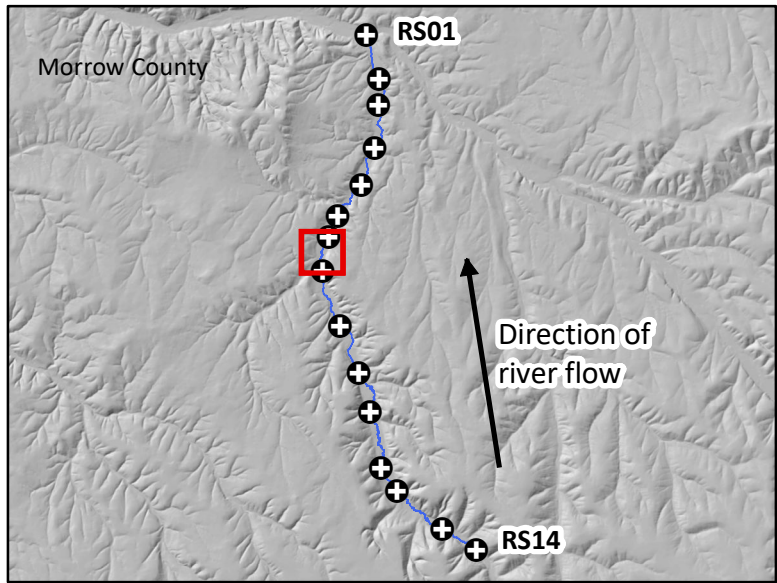
Morrow County

Rhea Creek, River Segments 6-7

- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020














Location map with Rhea Creek, river segments, and current extent of map highlighted in red.

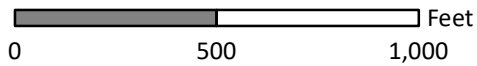


Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

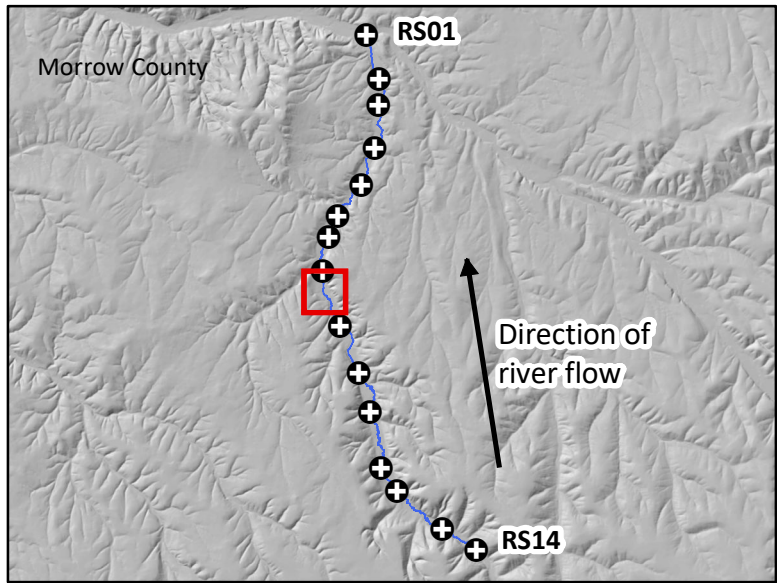
Morrow County

Rhea Creek, River Segment 8

-  River segment break points
-  Channel migration zone
-  Active channel
-  Avulsion hazard area
-  Historical migration area
-  30-year erosion hazard area
-  100-year erosion hazard area
-  Flagged: adjacent to landslide deposit
-  Flagged: change between 1995-2020
-  Flagged: adjacent to landslide and change observed
-  Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



Location map with Rhea Creek, river segments, and current extent of map highlighted in red.



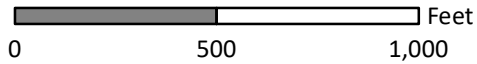


Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

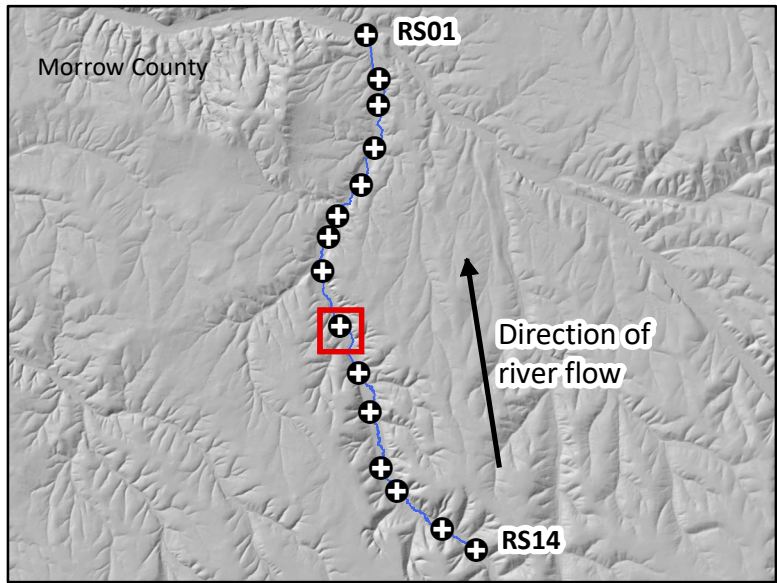
Morrow County

Rhea Creek, River Segments 8-9

- River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020














Location map with Rhea Creek, river segments, and current extent of map highlighted in red.

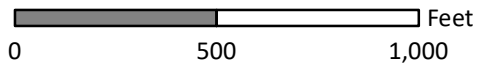


Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

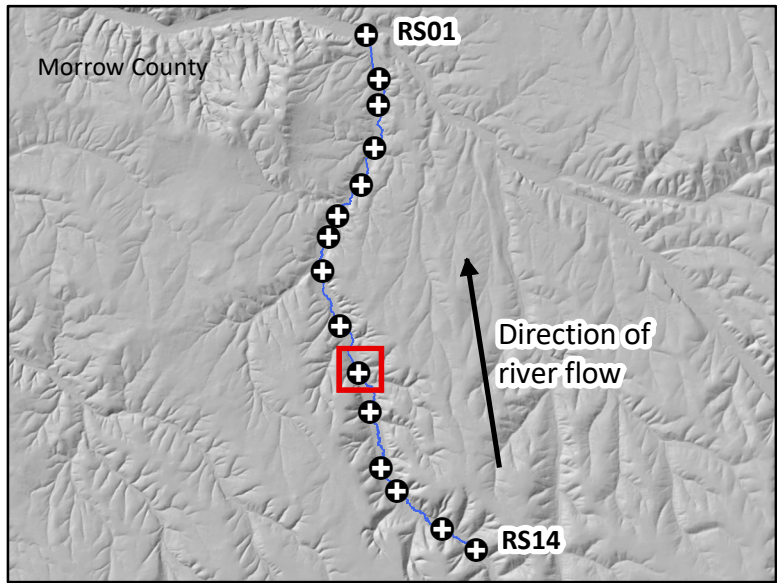
Morrow County

Rhea Creek, River Segments 9-10

-  River segment break points
-  Channel migration zone
-  Active channel
-  Avulsion hazard area
-  Historical migration area
-  30-year erosion hazard area
-  100-year erosion hazard area
-  Flagged: adjacent to landslide deposit
-  Flagged: change between 1995-2020
-  Flagged: adjacent to landslide and change observed
-  Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



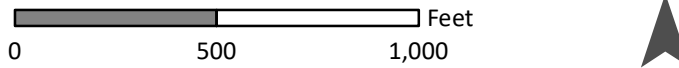
Location map with Rhea Creek, river segments, and current extent of map highlighted in red.



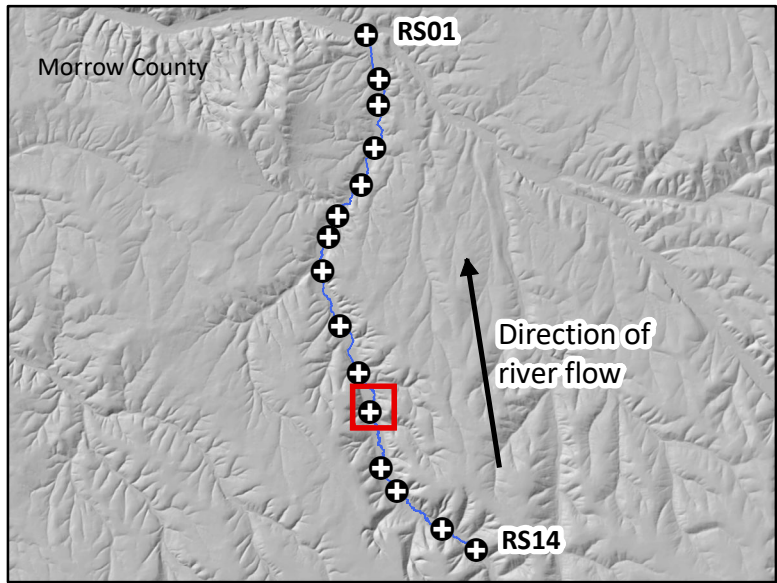
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Rhea Creek, River Segments 10-11

- River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



Location map with Rhea Creek, river segments, and current extent of map highlighted in red.














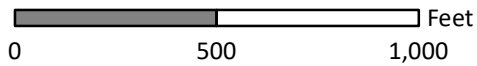


Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

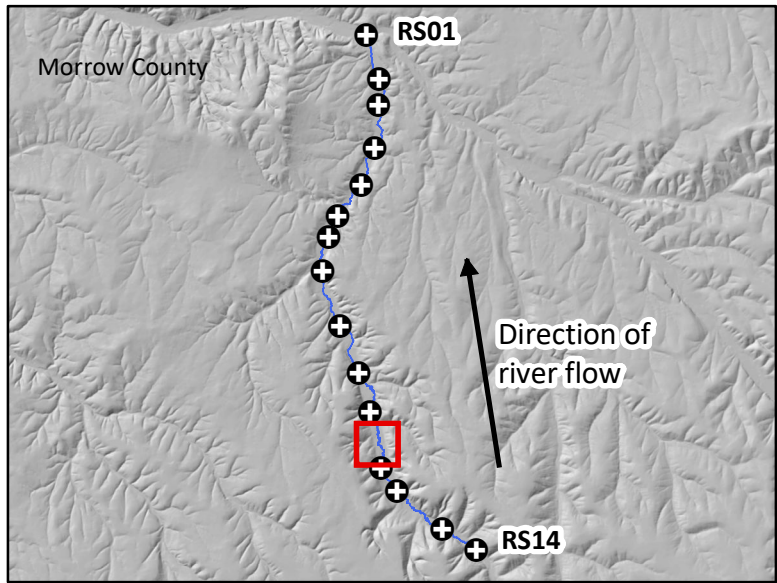
Morrow County

Rhea Creek, River Segment 11

-  River segment break points
-  Channel migration zone
-  Active channel
-  Avulsion hazard area
-  Historical migration area
-  30-year erosion hazard area
-  100-year erosion hazard area
-  Flagged: adjacent to landslide deposit
-  Flagged: change between 1995-2020
-  Flagged: adjacent to landslide and change observed
-  Major road



Basemap: Lidar hillshade and NAIP Imagery 2020

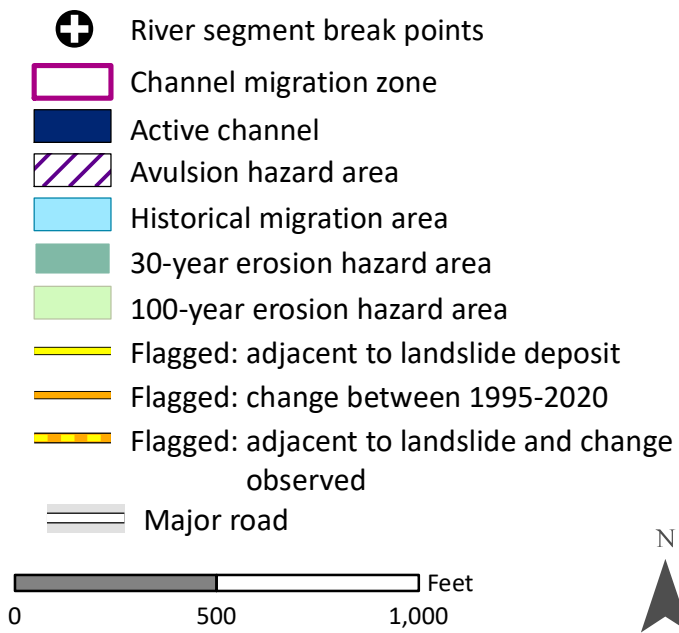


Location map with Rhea Creek, river segments, and current extent of map highlighted in red.

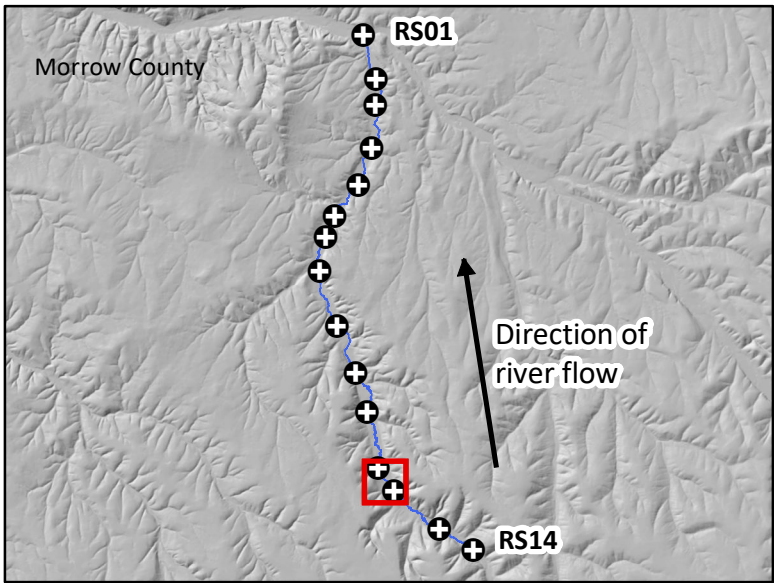


Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

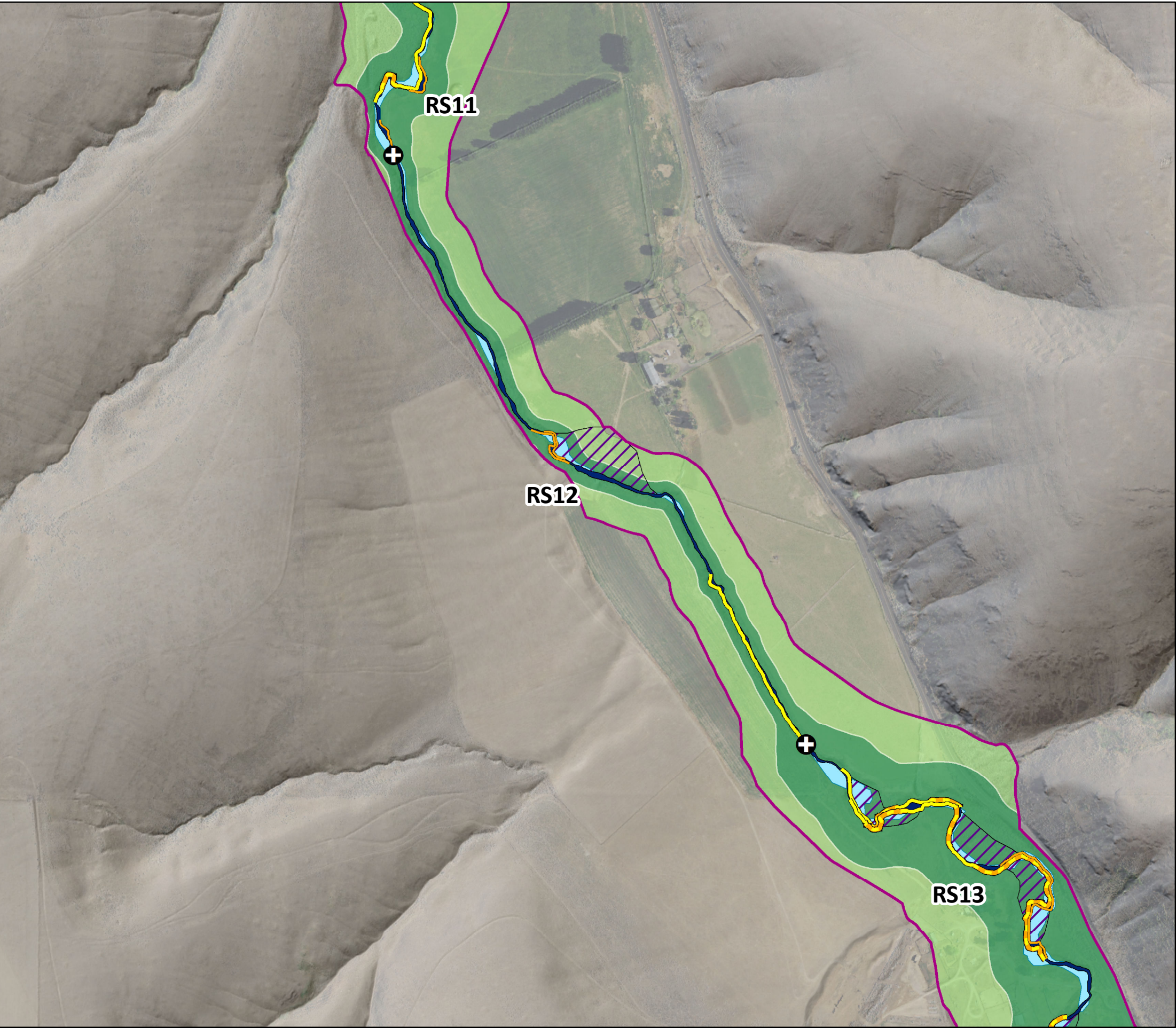
Morrow County  
Rhea Creek, River Segments 11-13



Basemap: Lidar hillshade and NAIP Imagery 2020



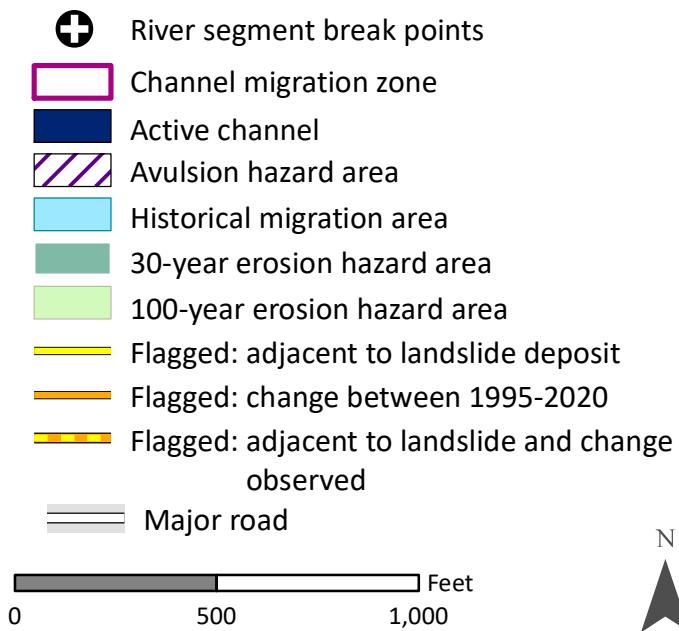
Location map with Rhea Creek, river segments, and current extent of map highlighted in red.



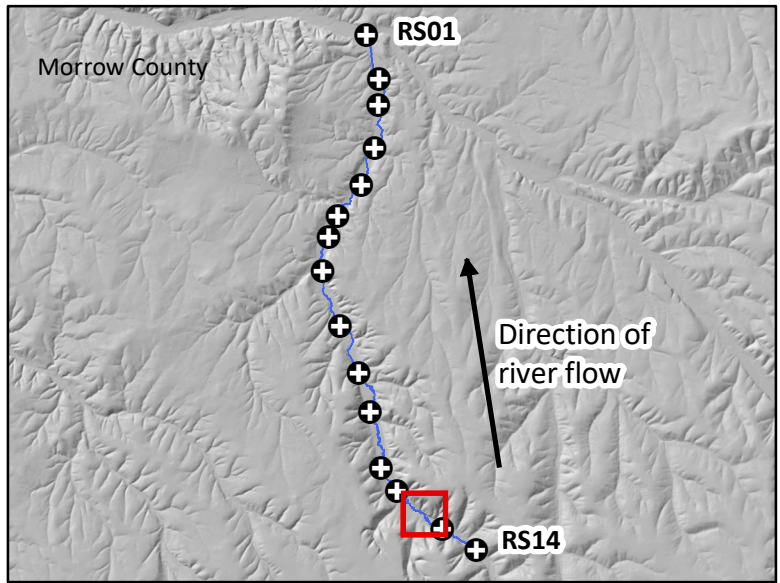


Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Rhea Creek, River Segment 13



Basemap: Lidar hillshade and NAIP Imagery 2020



Location map with Rhea Creek, river segments, and current extent of map highlighted in red.

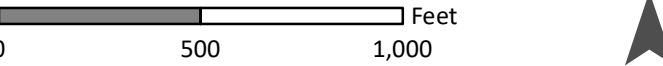


Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

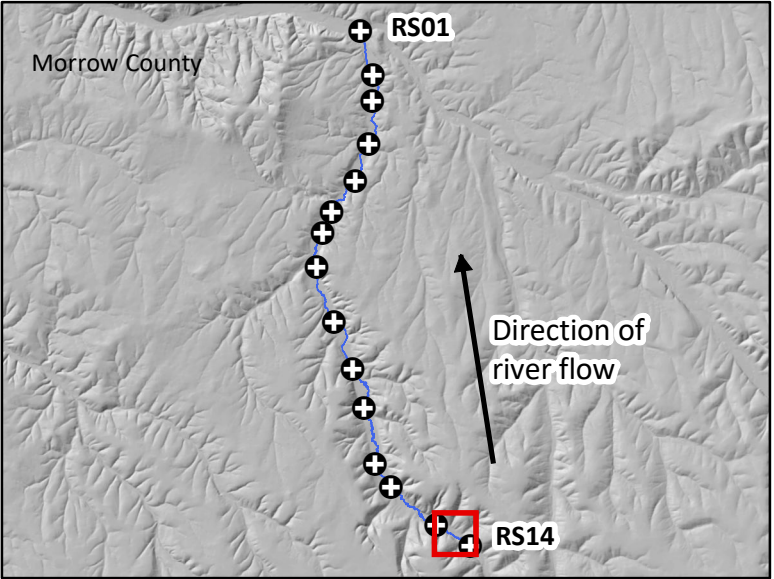
Morrow County  
Rhea Creek, River Segment 14



- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



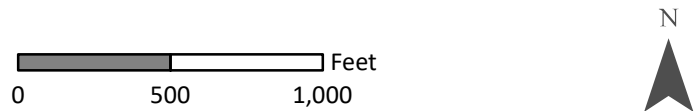
Location map with Rhea Creek, river segments, and current extent of map highlighted in red.



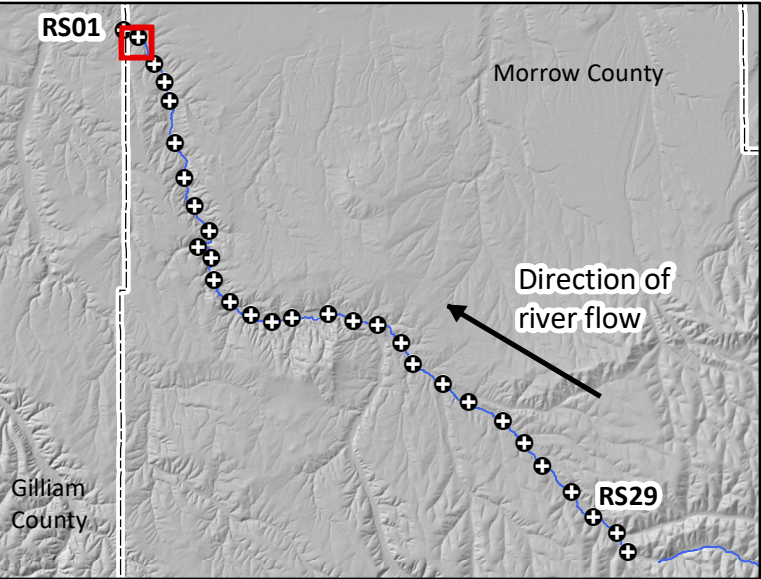
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Willow Creek River Segments 1-2

- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



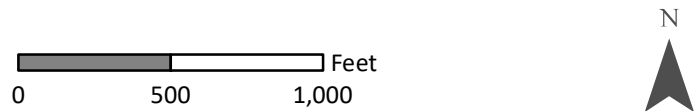
Location map with Willow Creek, river segments, and current extent of map highlighted in red.



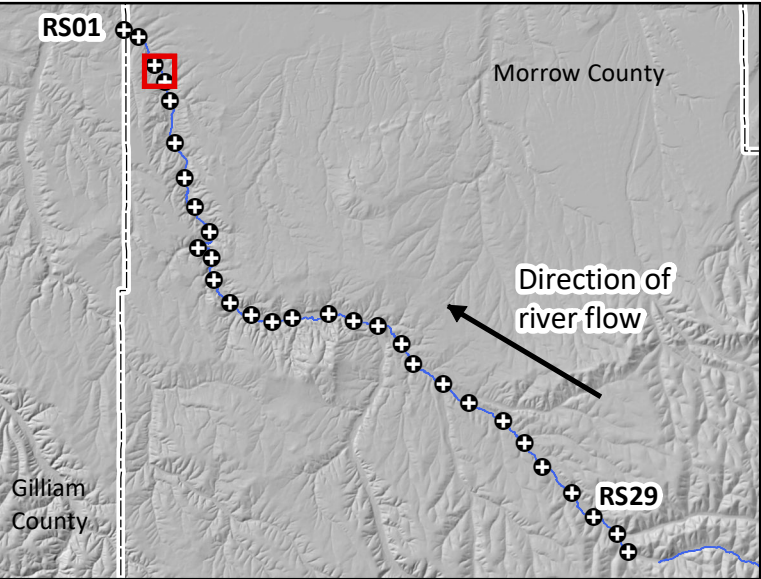
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Willow Creek River Segments 2-4

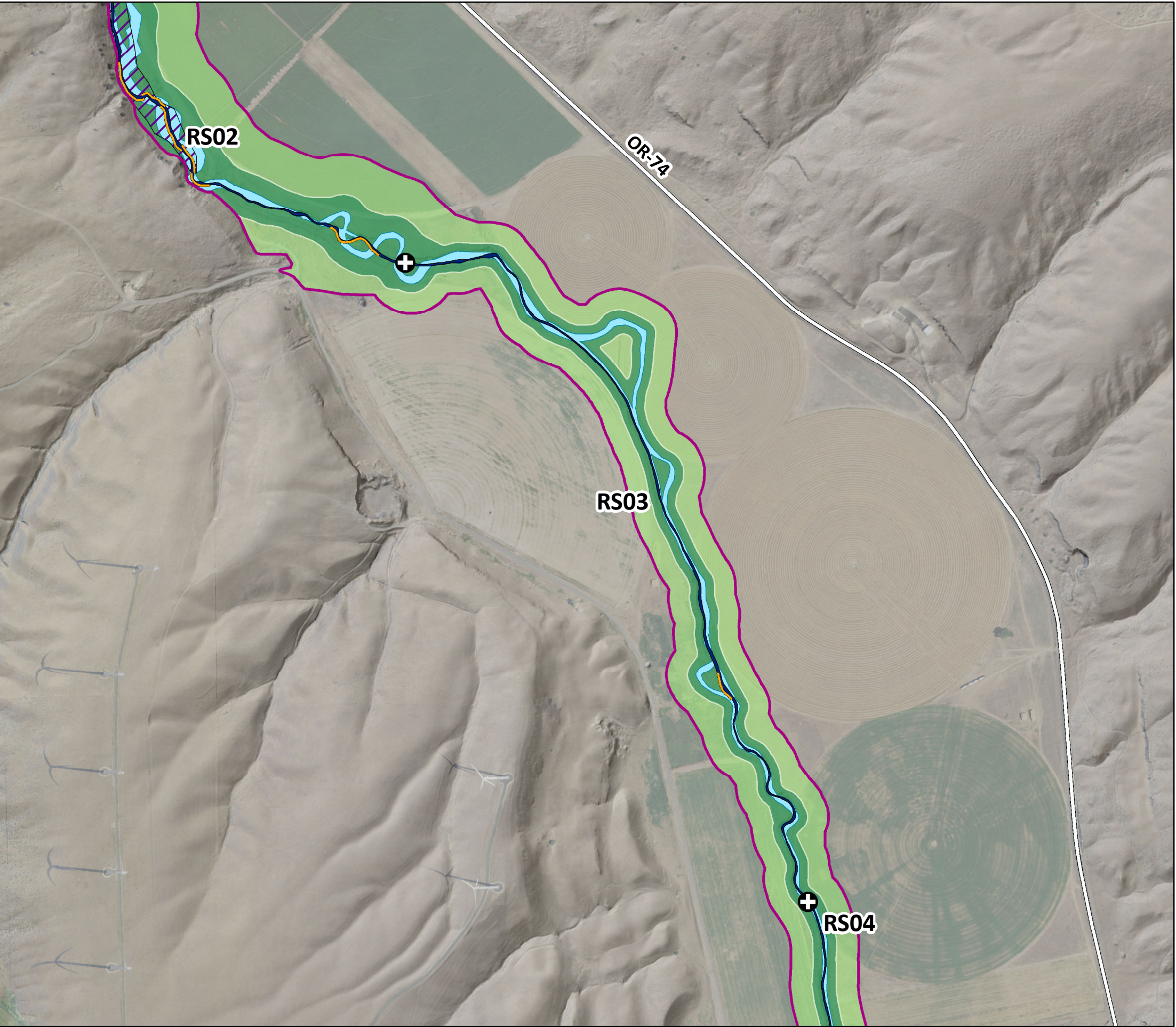
- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020














Location map with Willow Creek, river segments, and current extent of map highlighted in red.

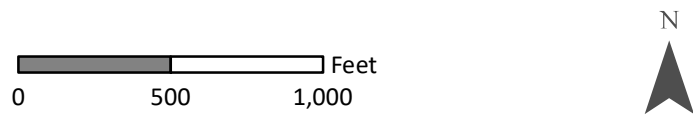




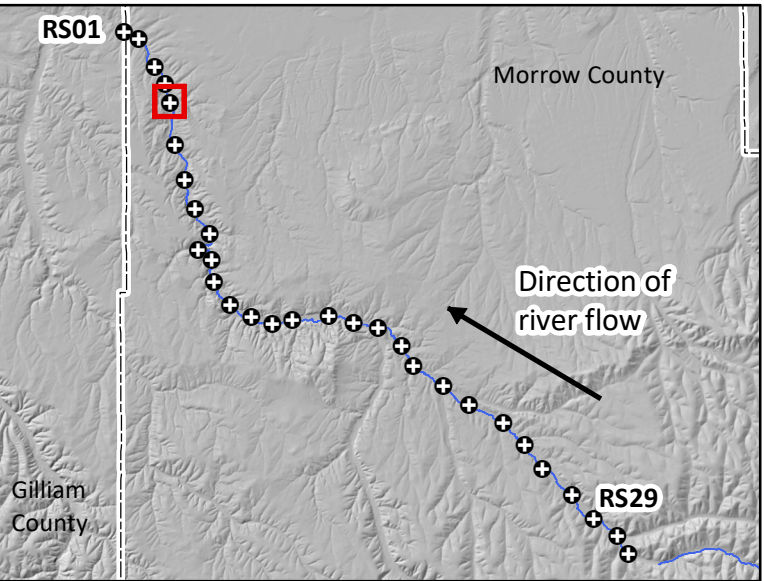
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Willow Creek River Segments 4-5

-  River segment break points
-  Channel migration zone
-  Active channel
-  Avulsion hazard area
-  Historical migration area
-  30-year erosion hazard area
-  100-year erosion hazard area
-  Flagged: adjacent to landslide deposit
-  Flagged: change between 1995-2020
-  Flagged: adjacent to landslide and change observed
-  Major road

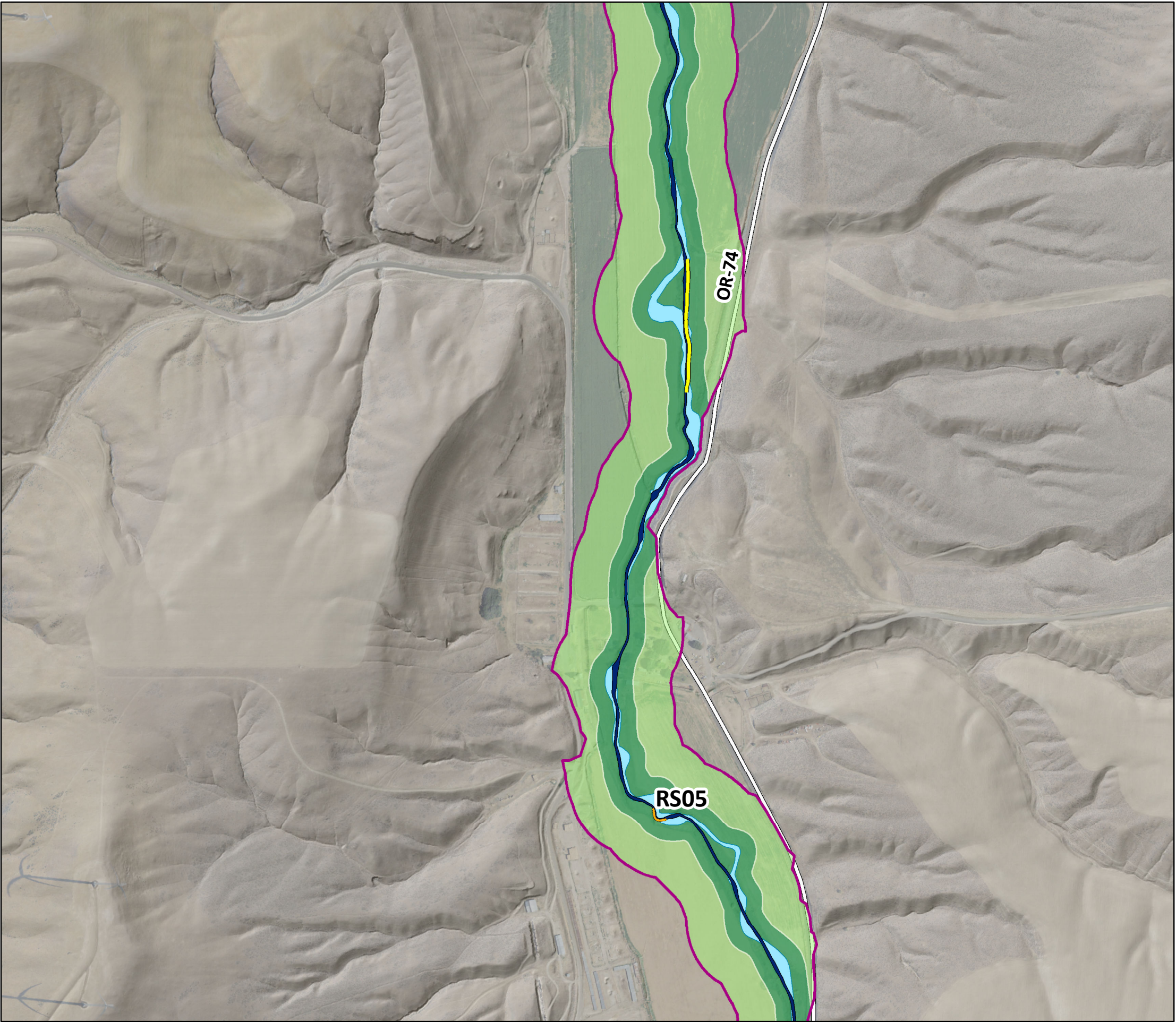


Basemap: Lidar hillshade and NAIP Imagery 2020



Location map with Willow Creek, river segments, and current extent of map highlighted in red.

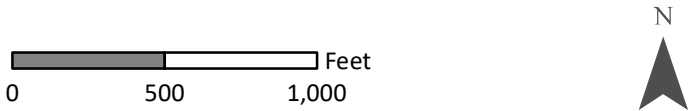




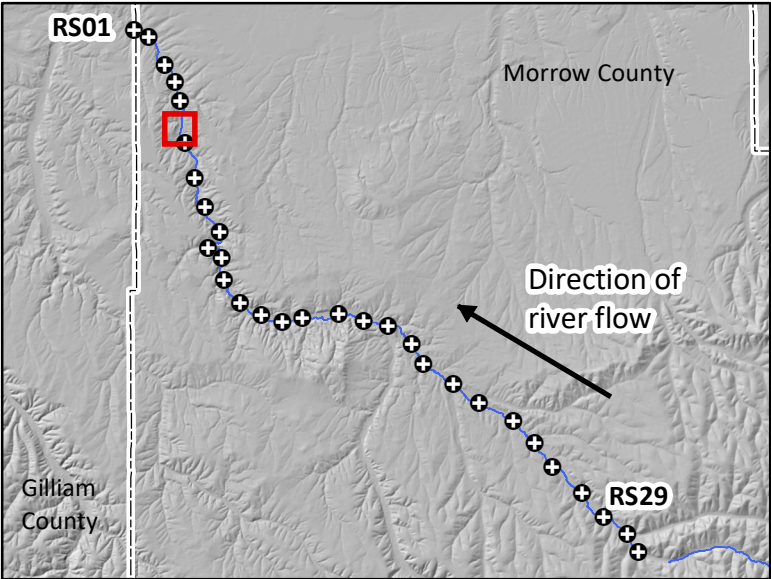
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Willow Creek River Segment 5

- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



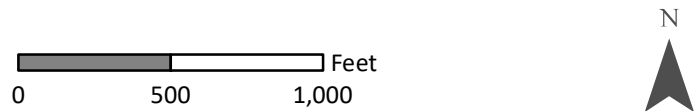
Location map with Willow Creek, river segments, and current extent of map highlighted in red.



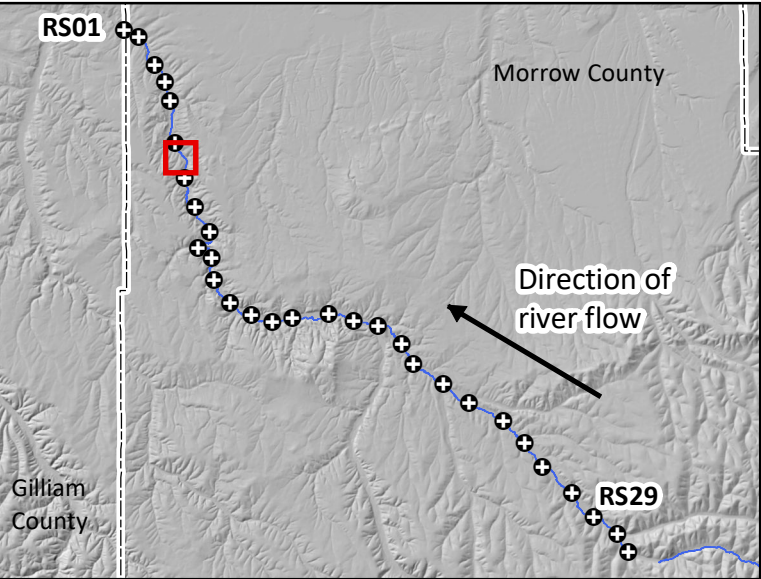
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Willow Creek River Segment 6

- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



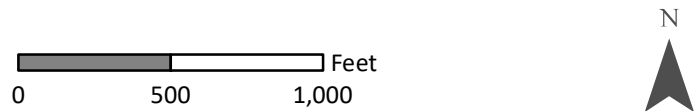
Location map with Willow Creek, river segments, and current extent of map highlighted in red.



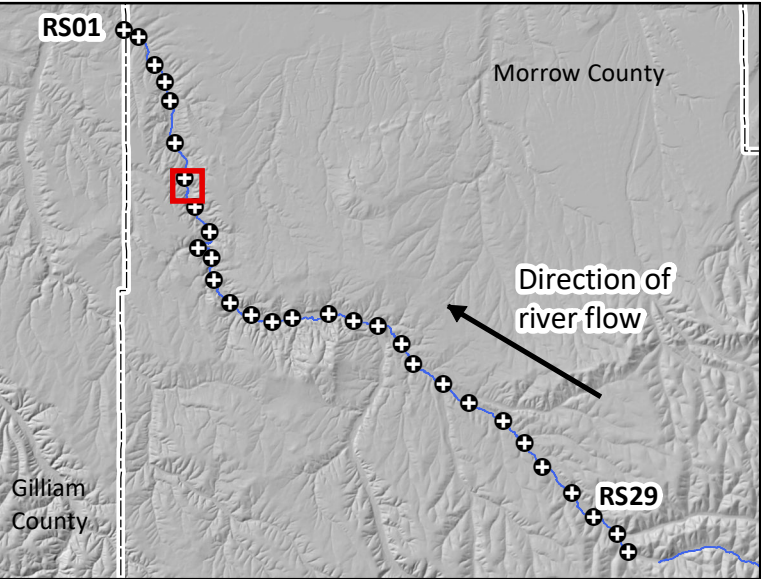
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Willow Creek River Segments 6-7

- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road

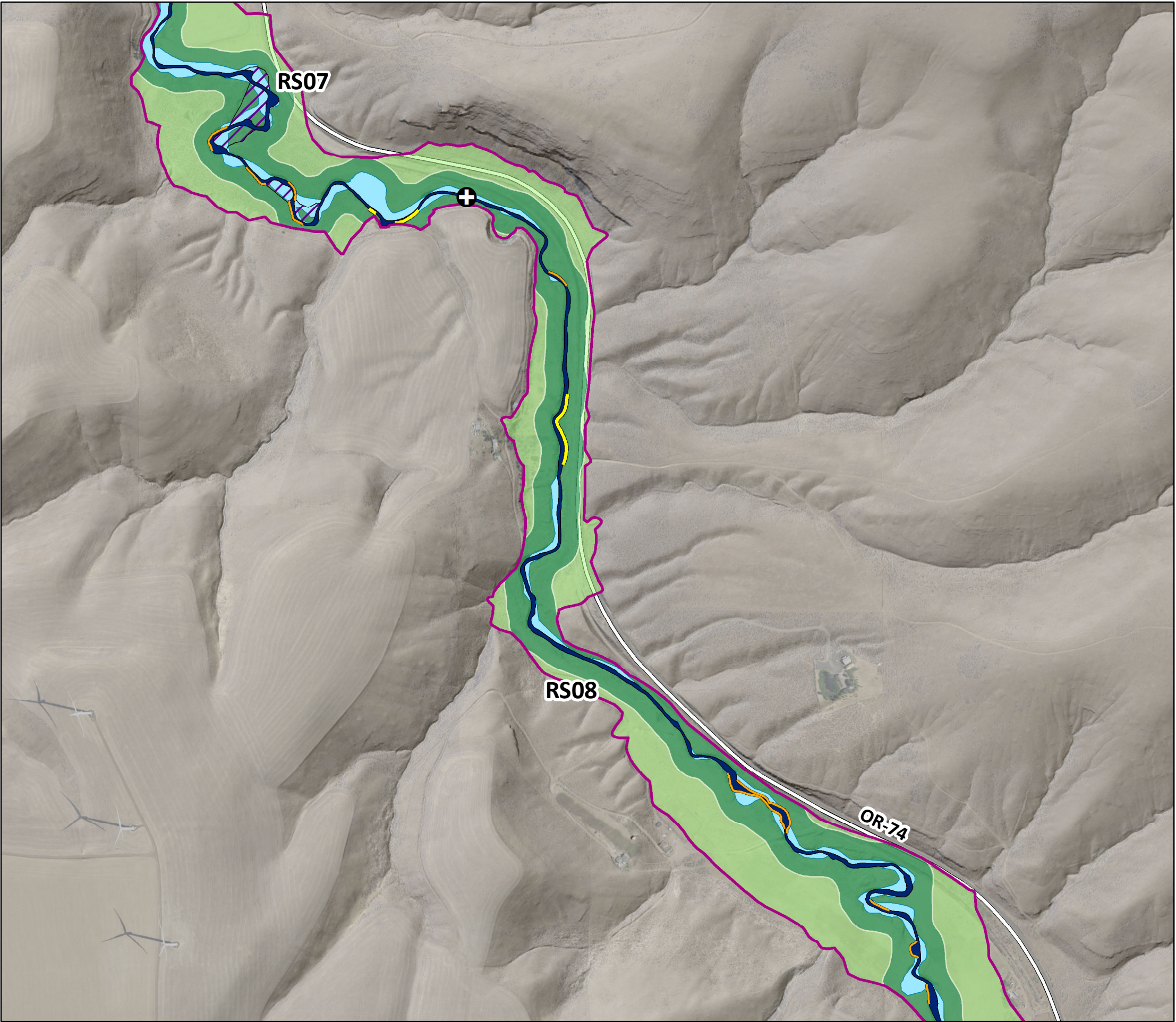


Basemap: Lidar hillshade and NAIP Imagery 2020



Location map with Willow Creek, river segments, and current extent of map highlighted in red.

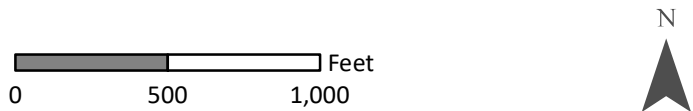




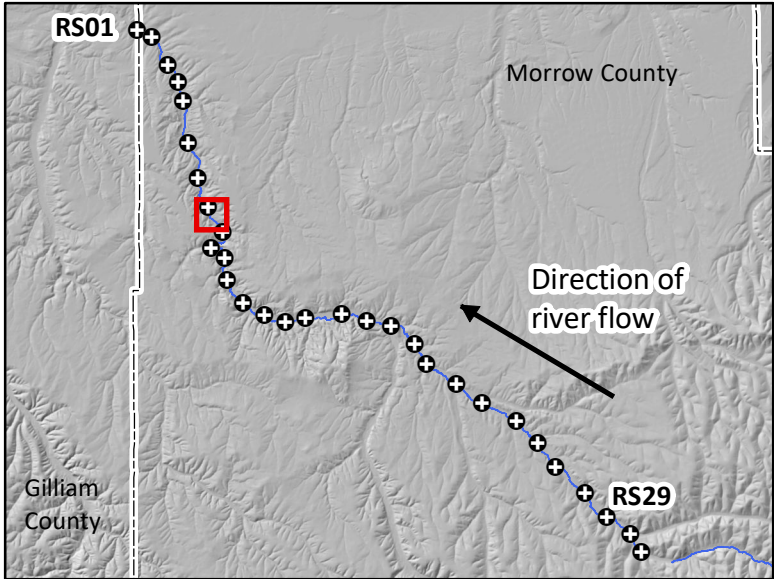
**Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon**

Morrow County  
Willow Creek River Segments 7-8

- River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



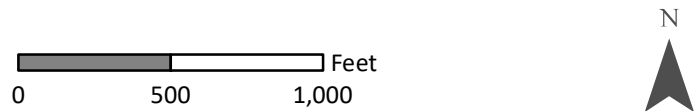
Location map with Willow Creek, river segments, and current extent of map highlighted in red.



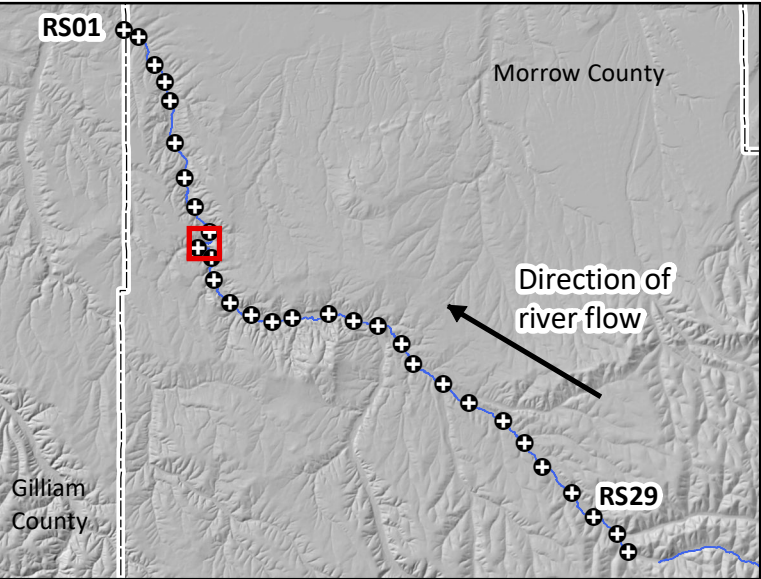
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Willow Creek River Segments 8-10

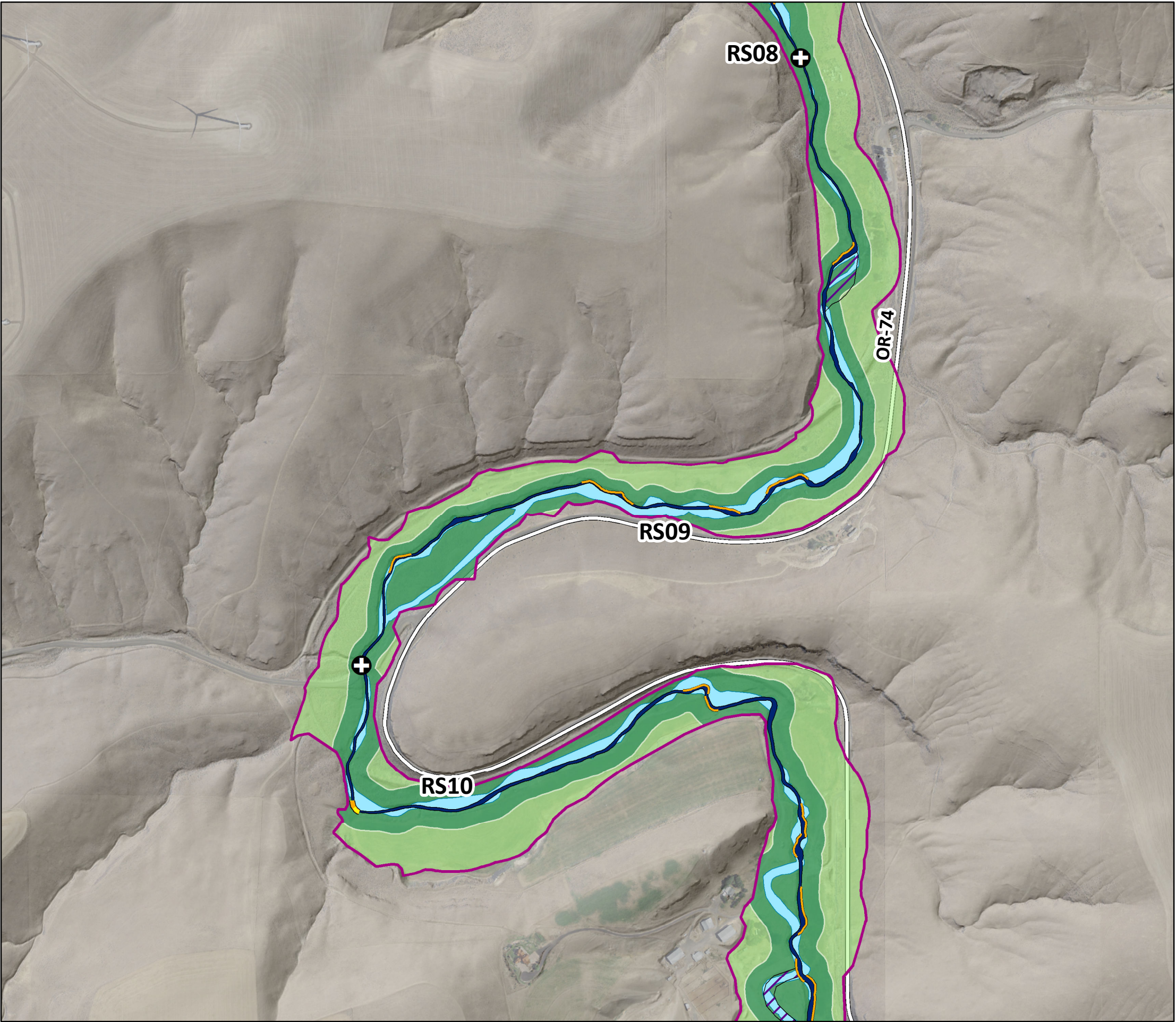
- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



Location map with Willow Creek, river segments, and current extent of map highlighted in red.

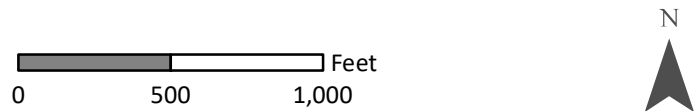




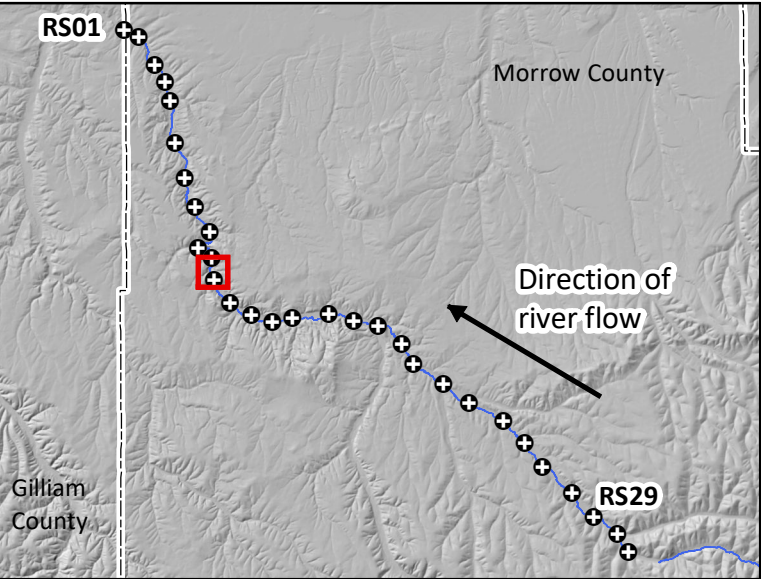
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Willow Creek River Segments 10-12

- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



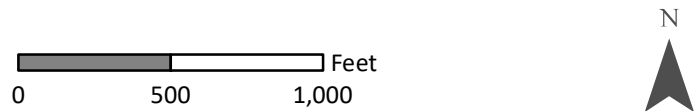
Location map with Willow Creek, river segments, and current extent of map highlighted in red.



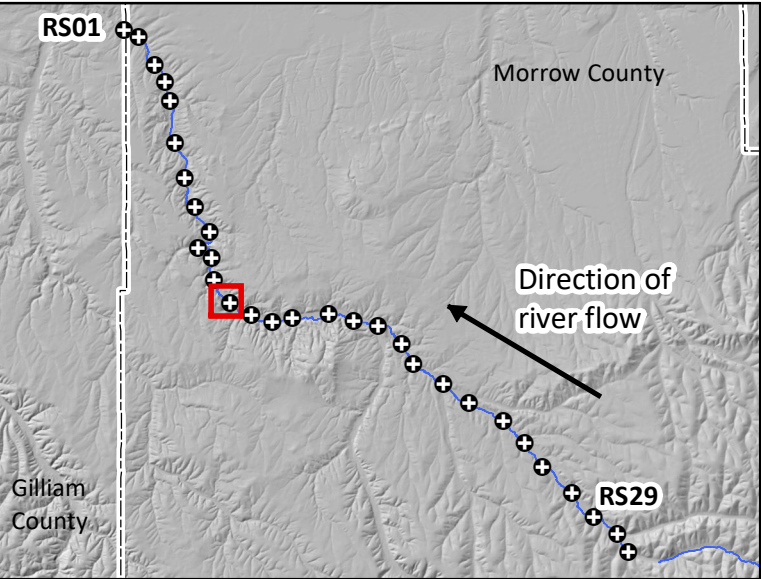
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Willow Creek River Segments 12-13

- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



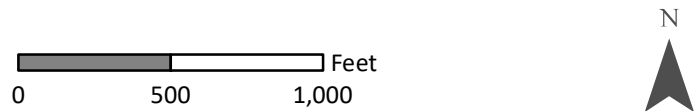
Location map with Willow Creek, river segments, and current extent of map highlighted in red.



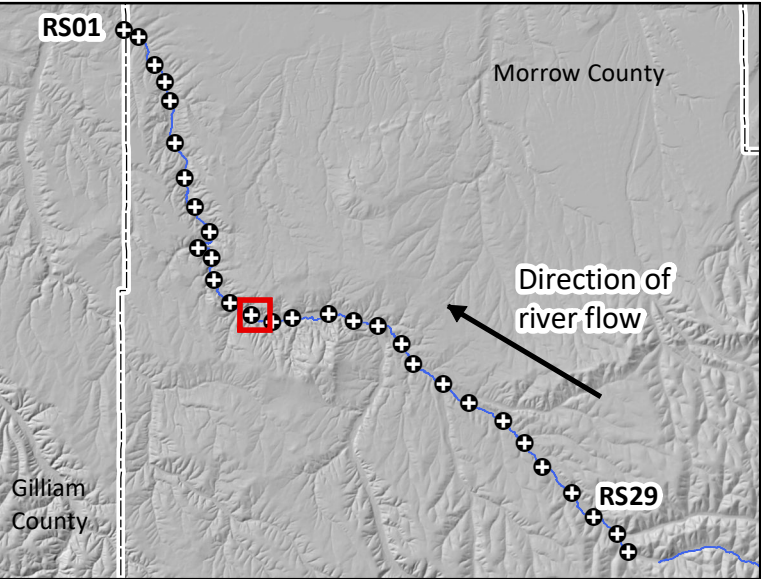
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Willow Creek River Segments 13-14

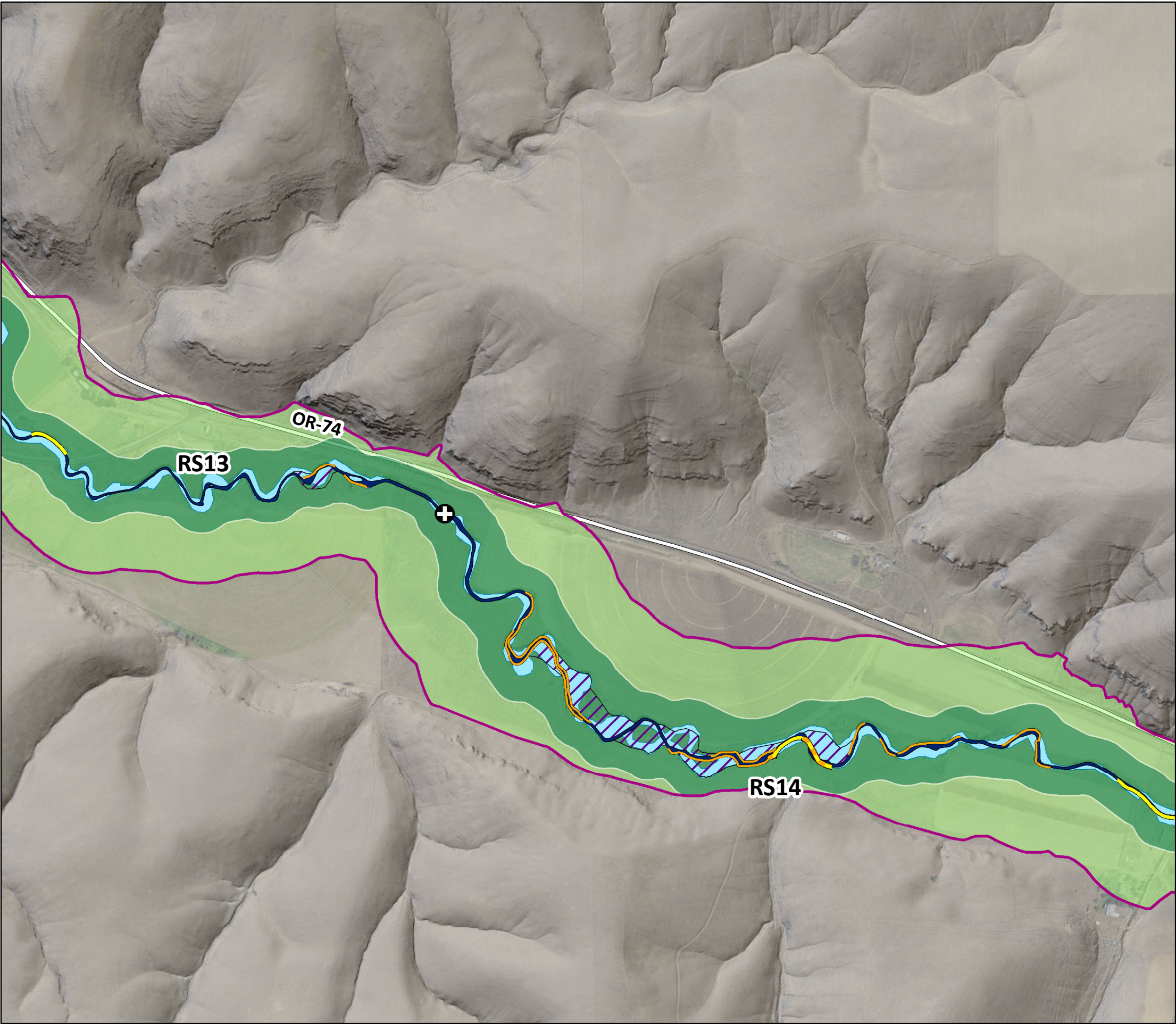
- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



Location map with Willow Creek, river segments, and current extent of map highlighted in red.

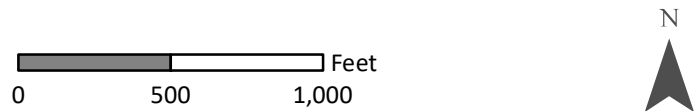




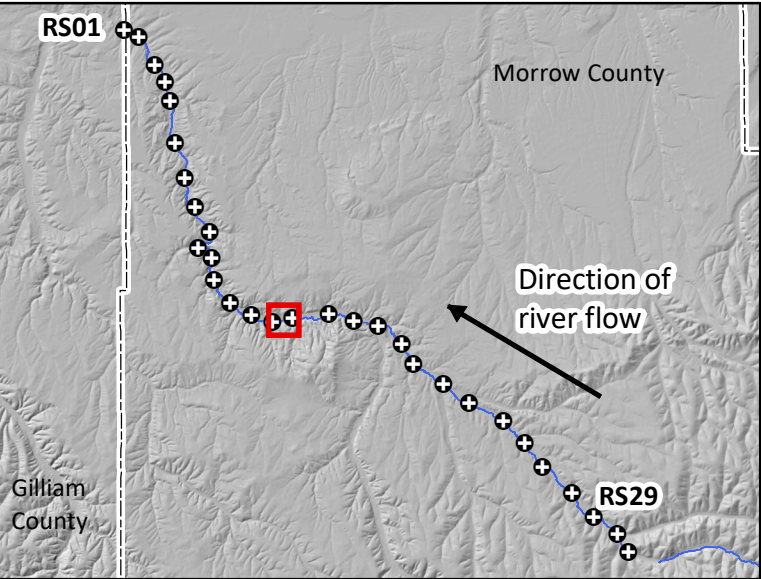
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Willow Creek River Segments 14-16

- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020

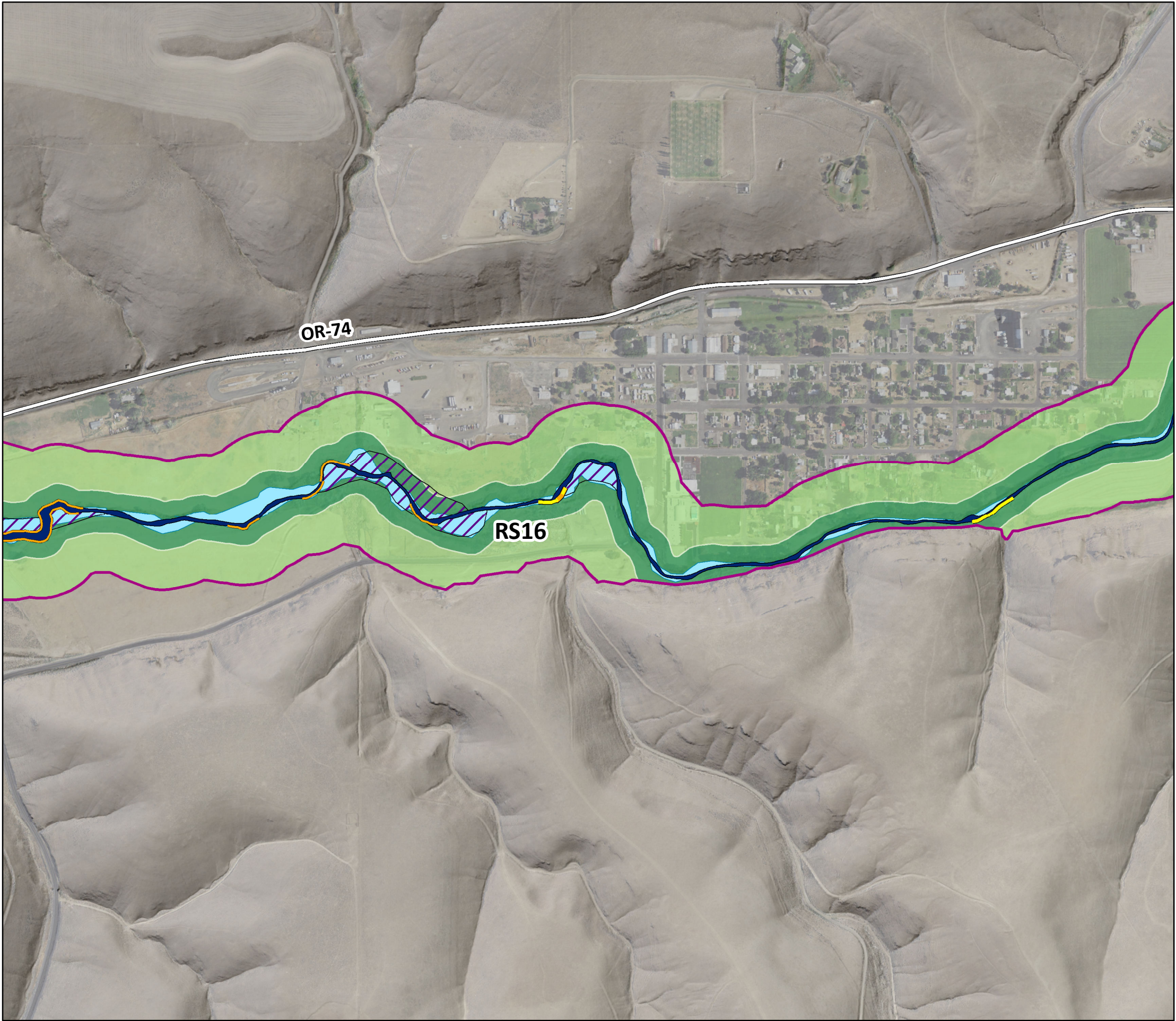


Location map with Willow Creek, river segments, and current extent of map highlighted in red.

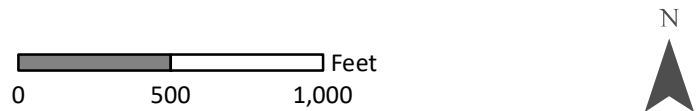


Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

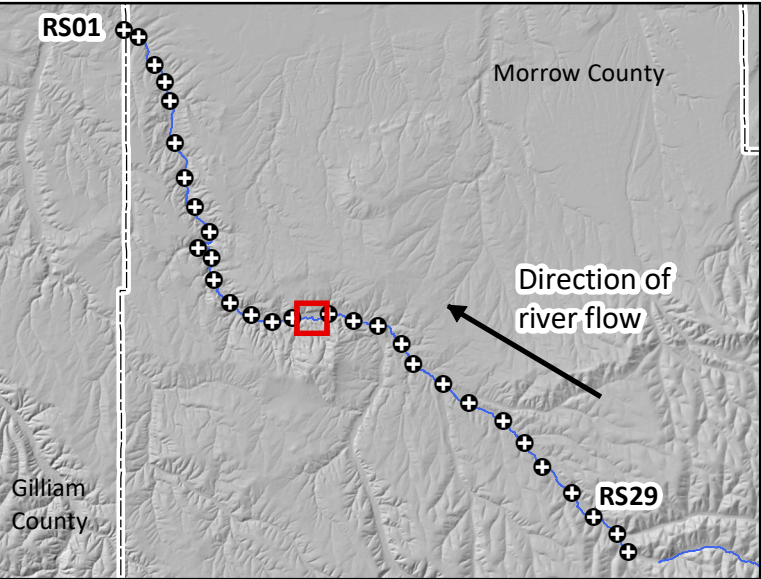
Morrow County  
Willow Creek River Segment 16



- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



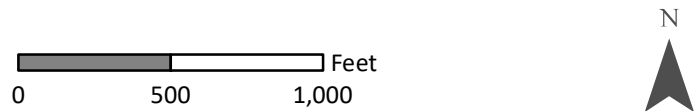
Location map with Willow Creek, river segments, and current extent of map highlighted in red.



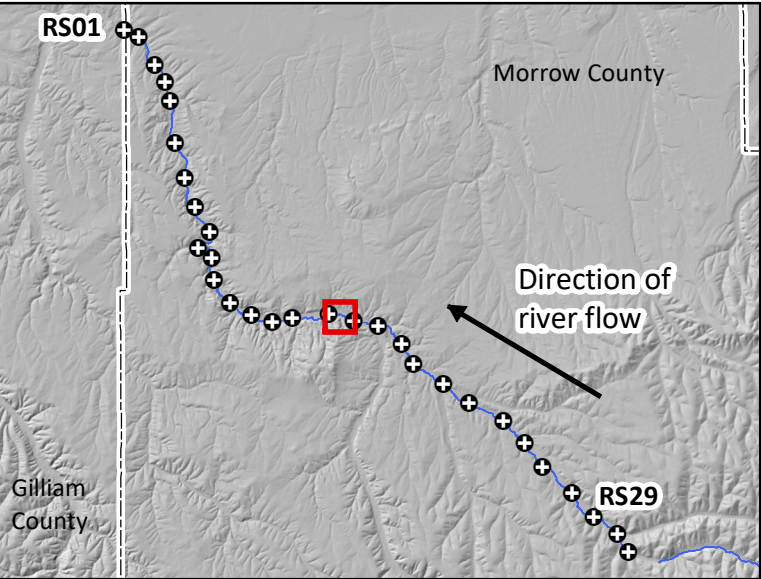
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Willow Creek River Segments 16-18

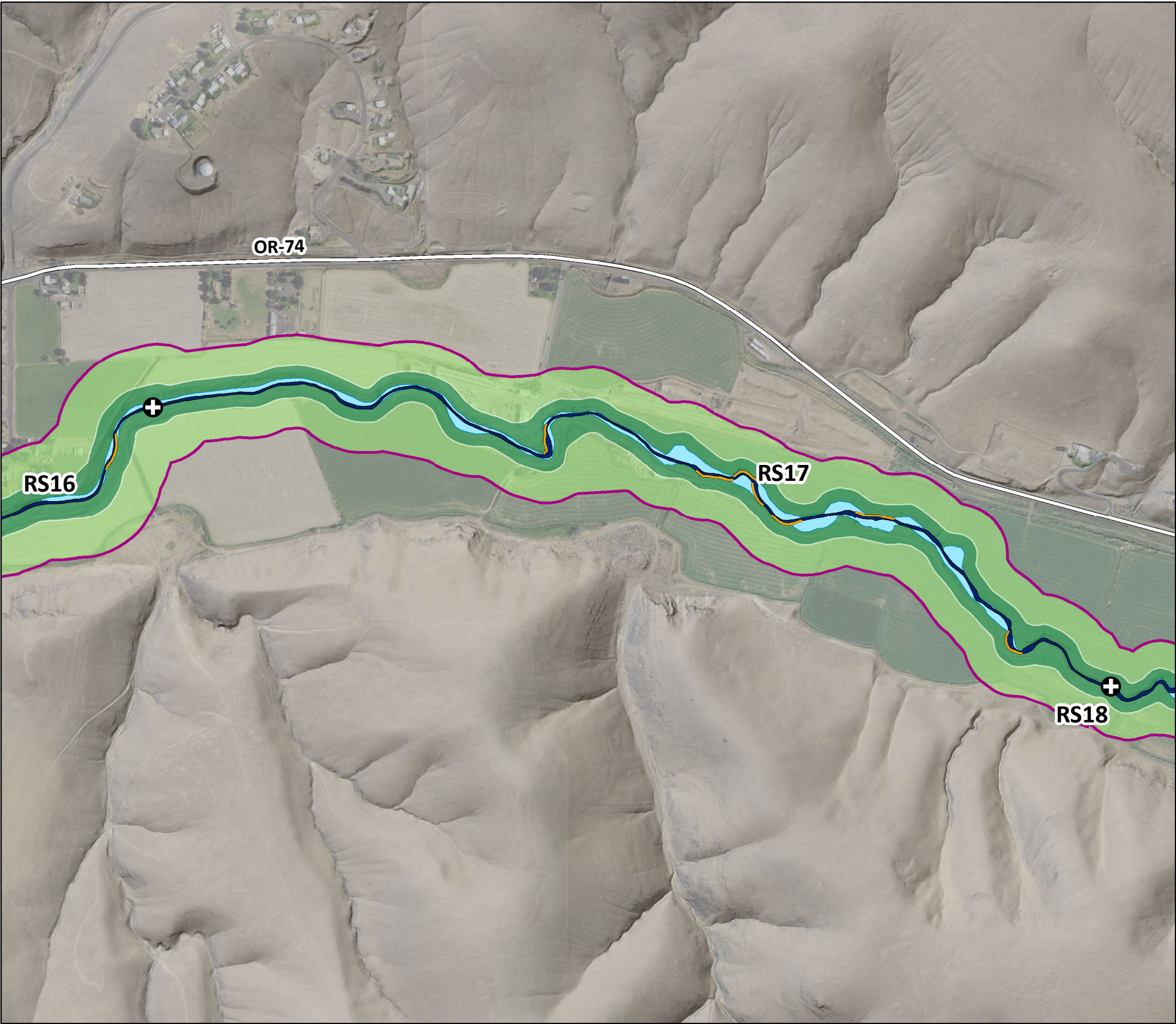
- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



Location map with Willow Creek, river segments, and current extent of map highlighted in red.

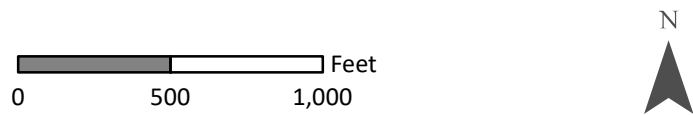




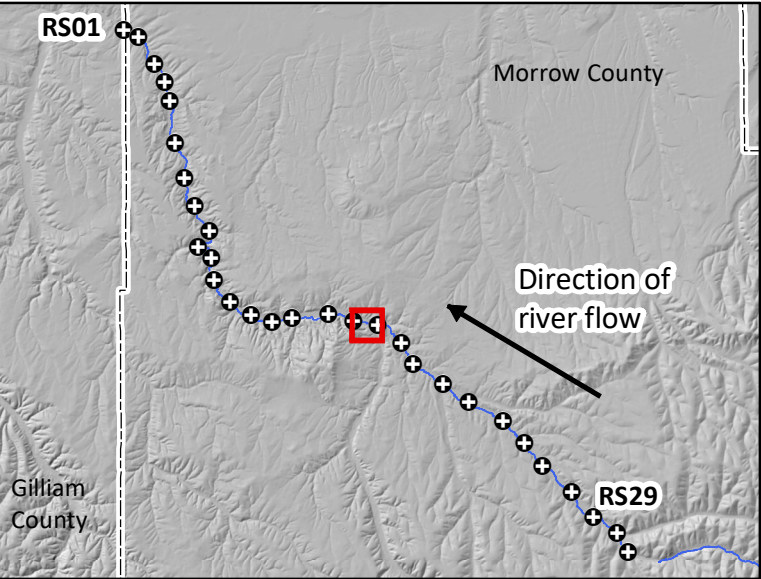
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Willow Creek River Segment 18

- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020














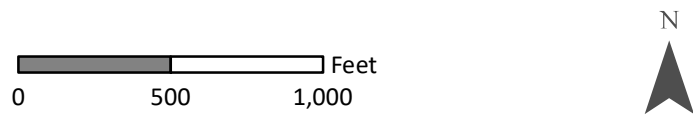
Location map with Willow Creek, river segments, and current extent of map highlighted in red.



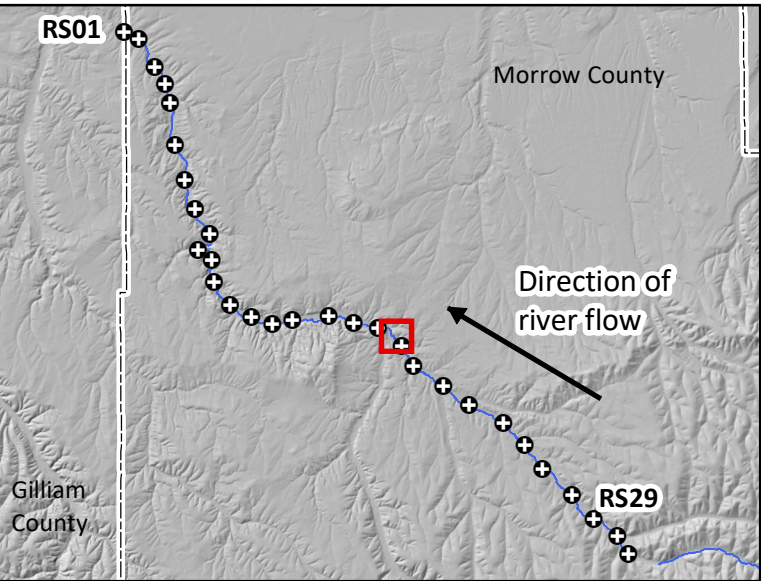
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Willow Creek River Segments 19-20

-  River segment break points
-  Channel migration zone
-  Active channel
-  Avulsion hazard area
-  Historical migration area
-  30-year erosion hazard area
-  100-year erosion hazard area
-  Flagged: adjacent to landslide deposit
-  Flagged: change between 1995-2020
-  Flagged: adjacent to landslide and change observed
-  Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



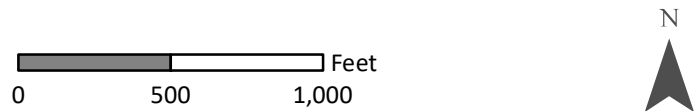
Location map with Willow Creek, river segments, and current extent of map highlighted in red.



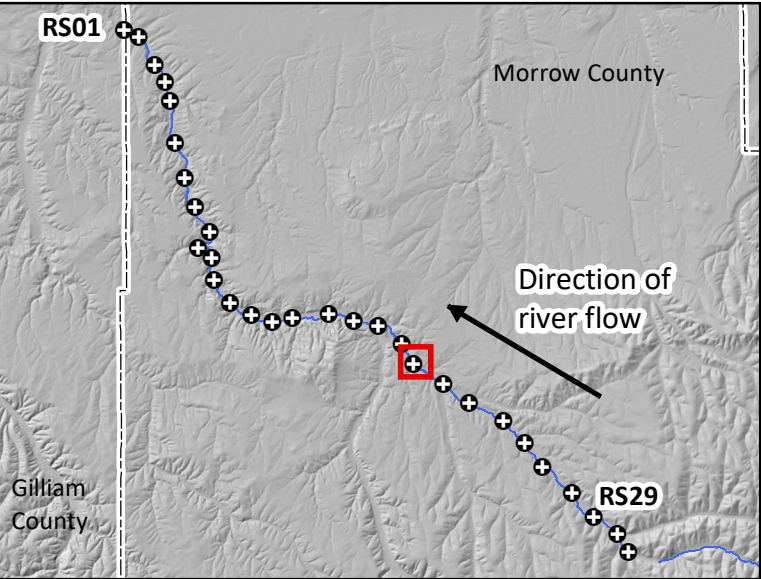
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Willow Creek River Segments 20-21

- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



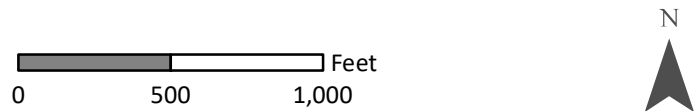
Location map with Willow Creek, river segments, and current extent of map highlighted in red.



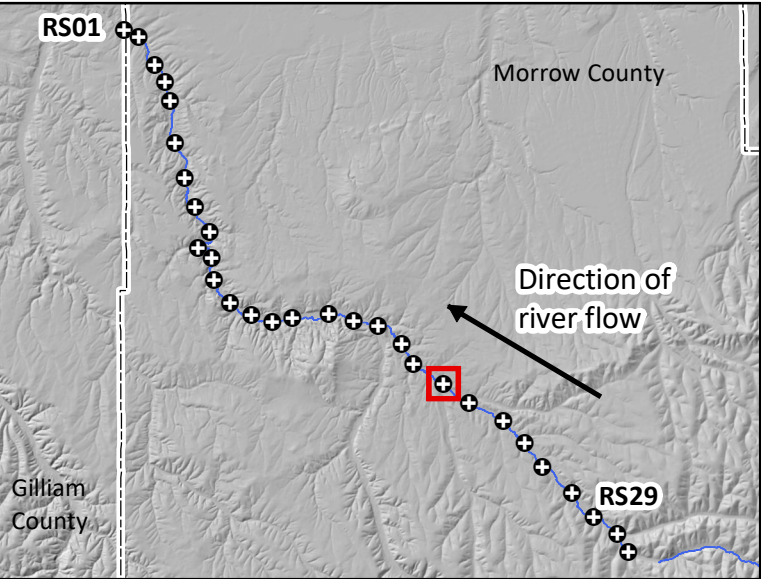
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Willow Creek River Segments 21-22

- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road

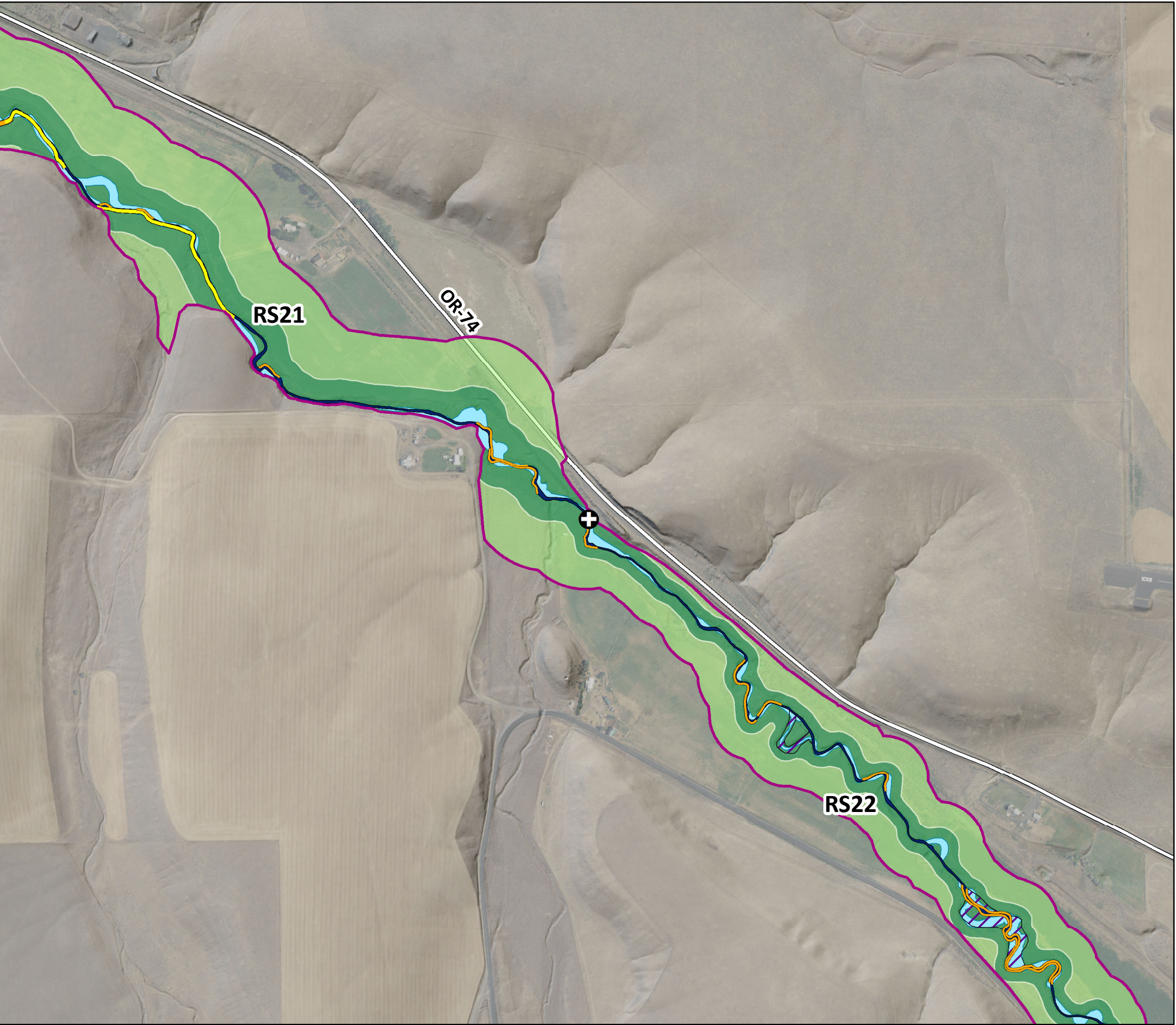


Basemap: Lidar hillshade and NAIP Imagery 2020



Location map with Willow Creek, river segments, and current extent of map highlighted in red.

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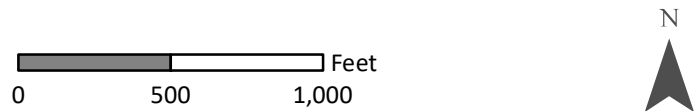




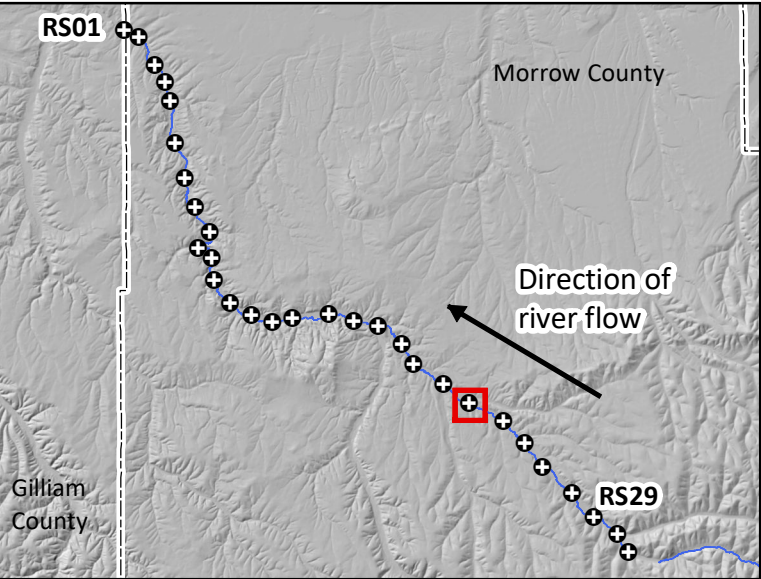
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Willow Creek River Segments 22-23

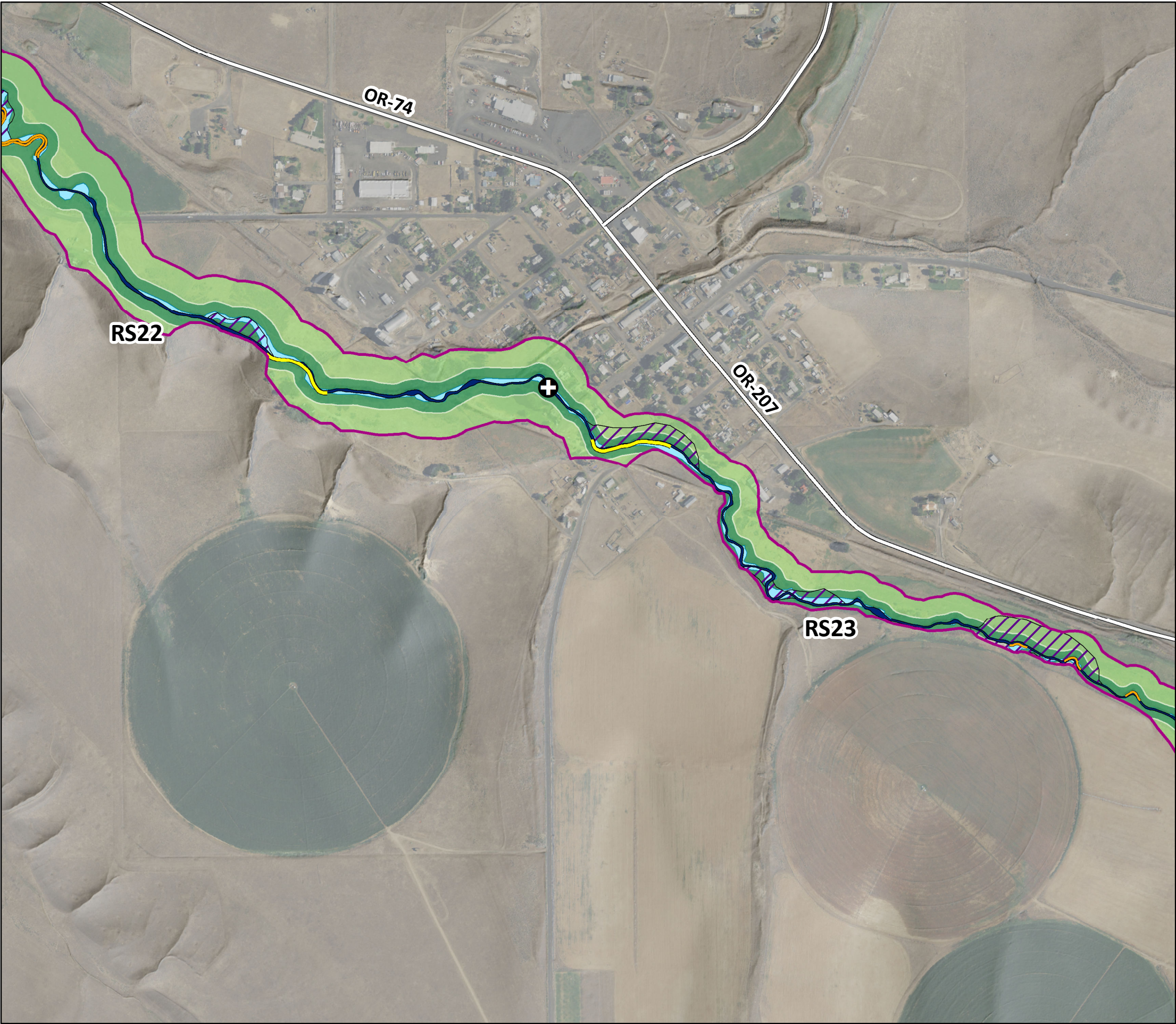
- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



Location map with Willow Creek, river segments, and current extent of map highlighted in red.

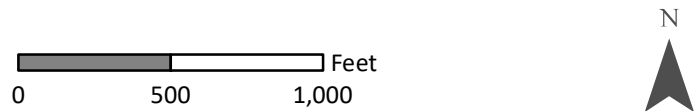




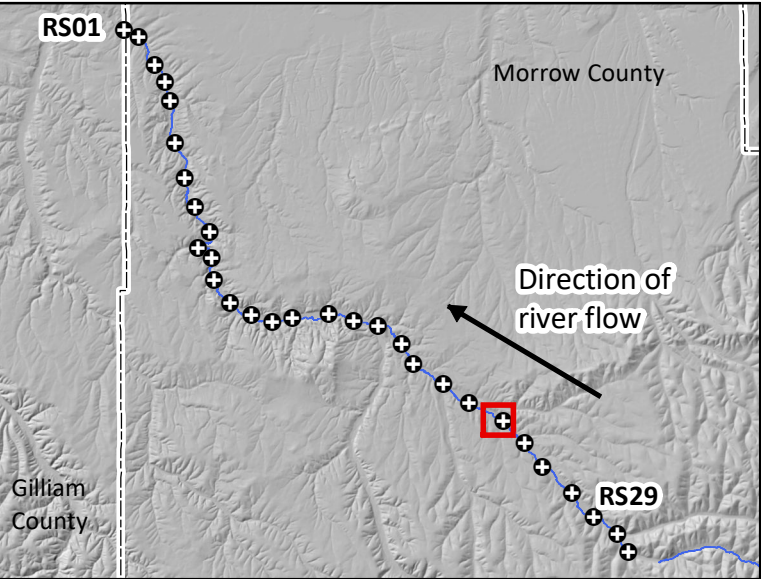
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Willow Creek River Segments 23-24

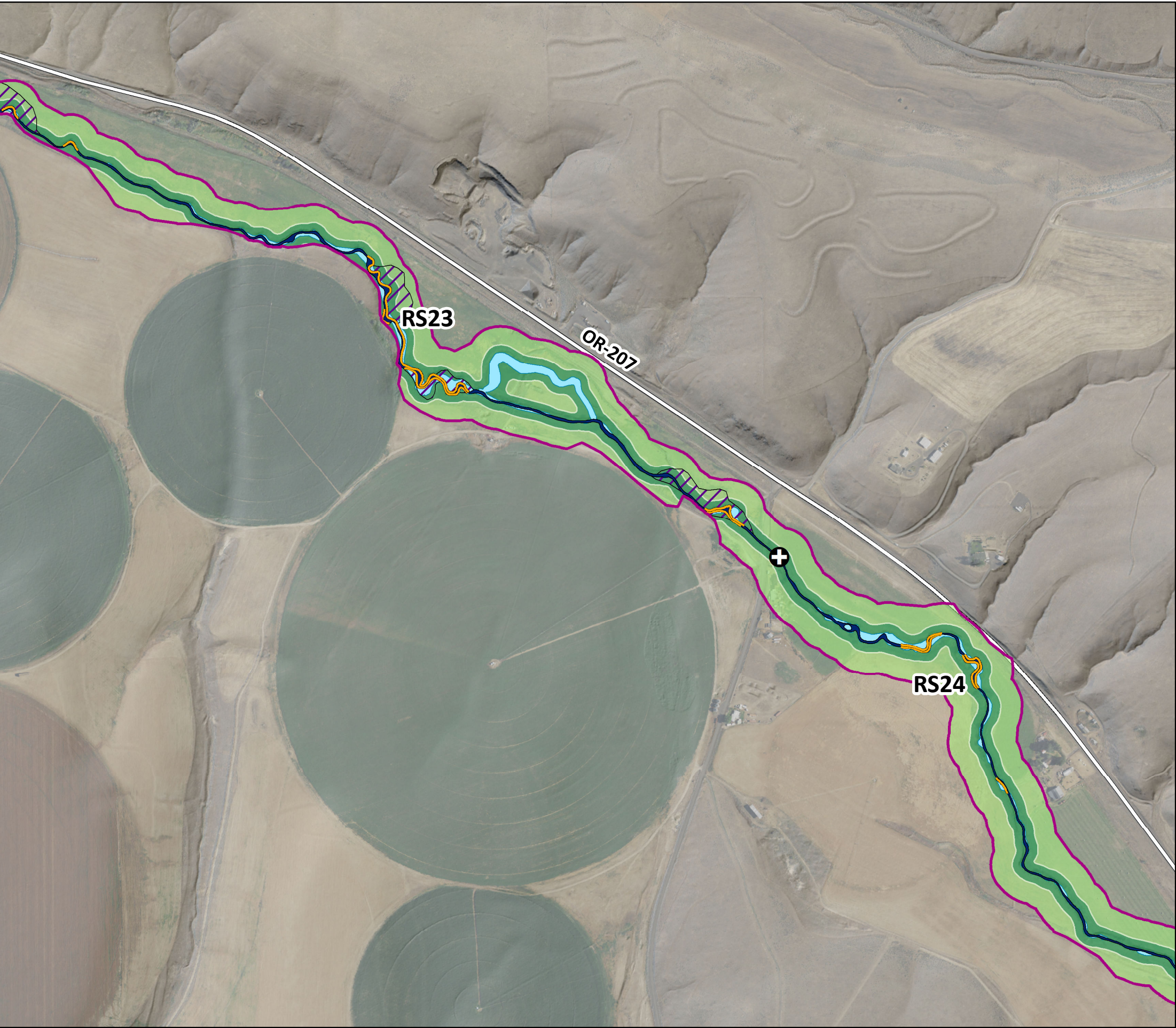
- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



Location map with Willow Creek, river segments, and current extent of map highlighted in red.

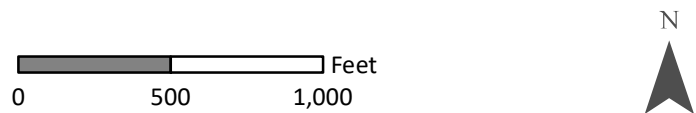




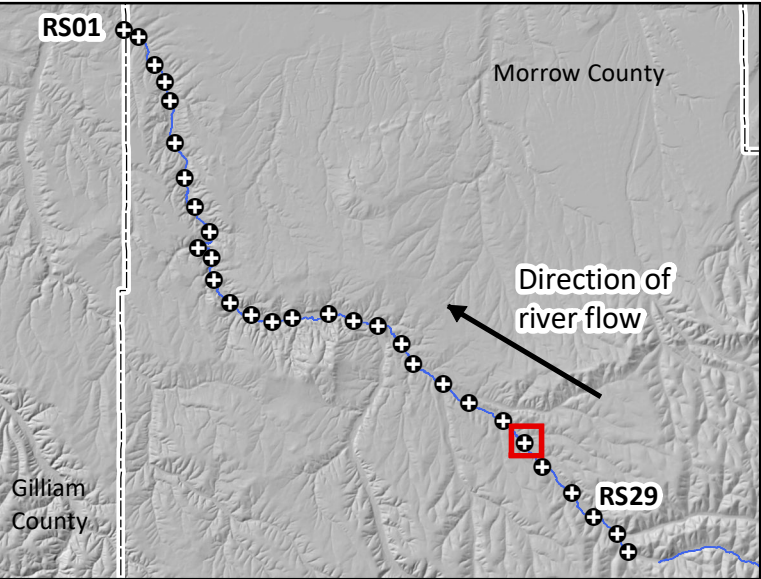
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Willow Creek River Segments 24-25

- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road

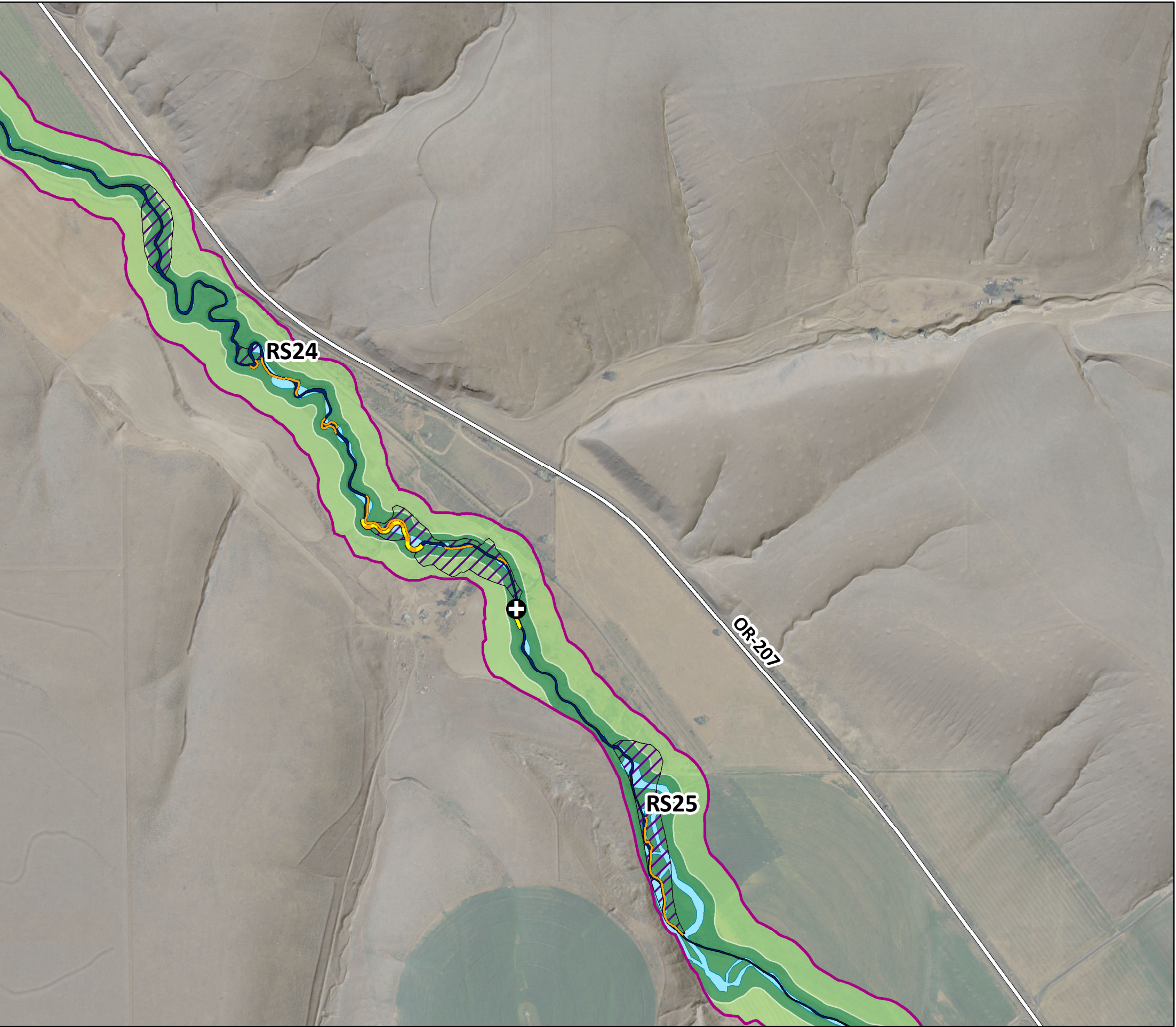


Basemap: Lidar hillshade and NAIP Imagery 2020



Location map with Willow Creek, river segments, and current extent of map highlighted in red.












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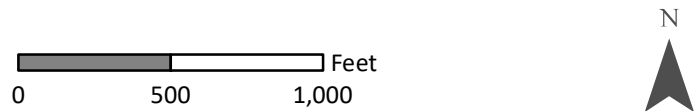




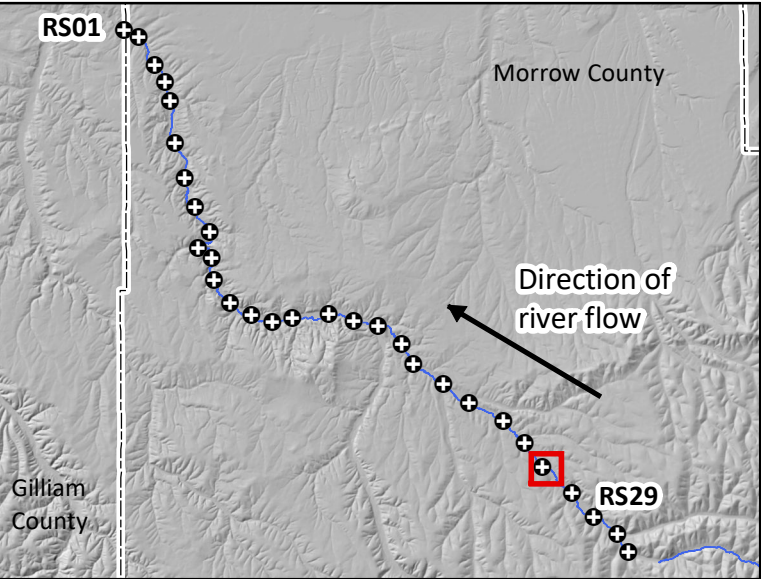
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Willow Creek River Segments 25-26

-  River segment break points
-  Channel migration zone
-  Active channel
-  Avulsion hazard area
-  Historical migration area
-  30-year erosion hazard area
-  100-year erosion hazard area
-  Flagged: adjacent to landslide deposit
-  Flagged: change between 1995-2020
-  Flagged: adjacent to landslide and change observed
-  Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



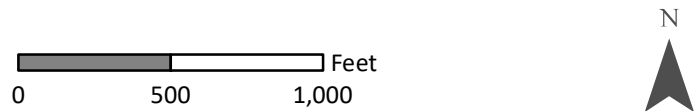
Location map with Willow Creek, river segments, and current extent of map highlighted in red.



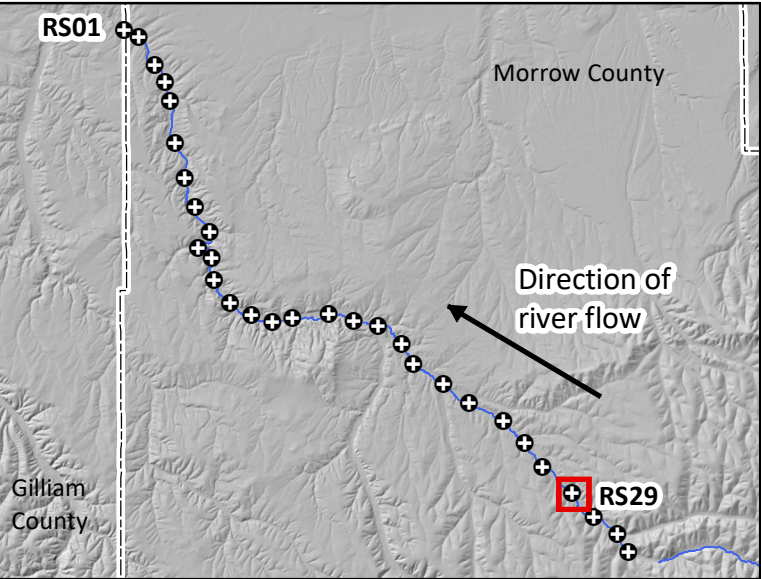
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Willow Creek River Segments 26-27

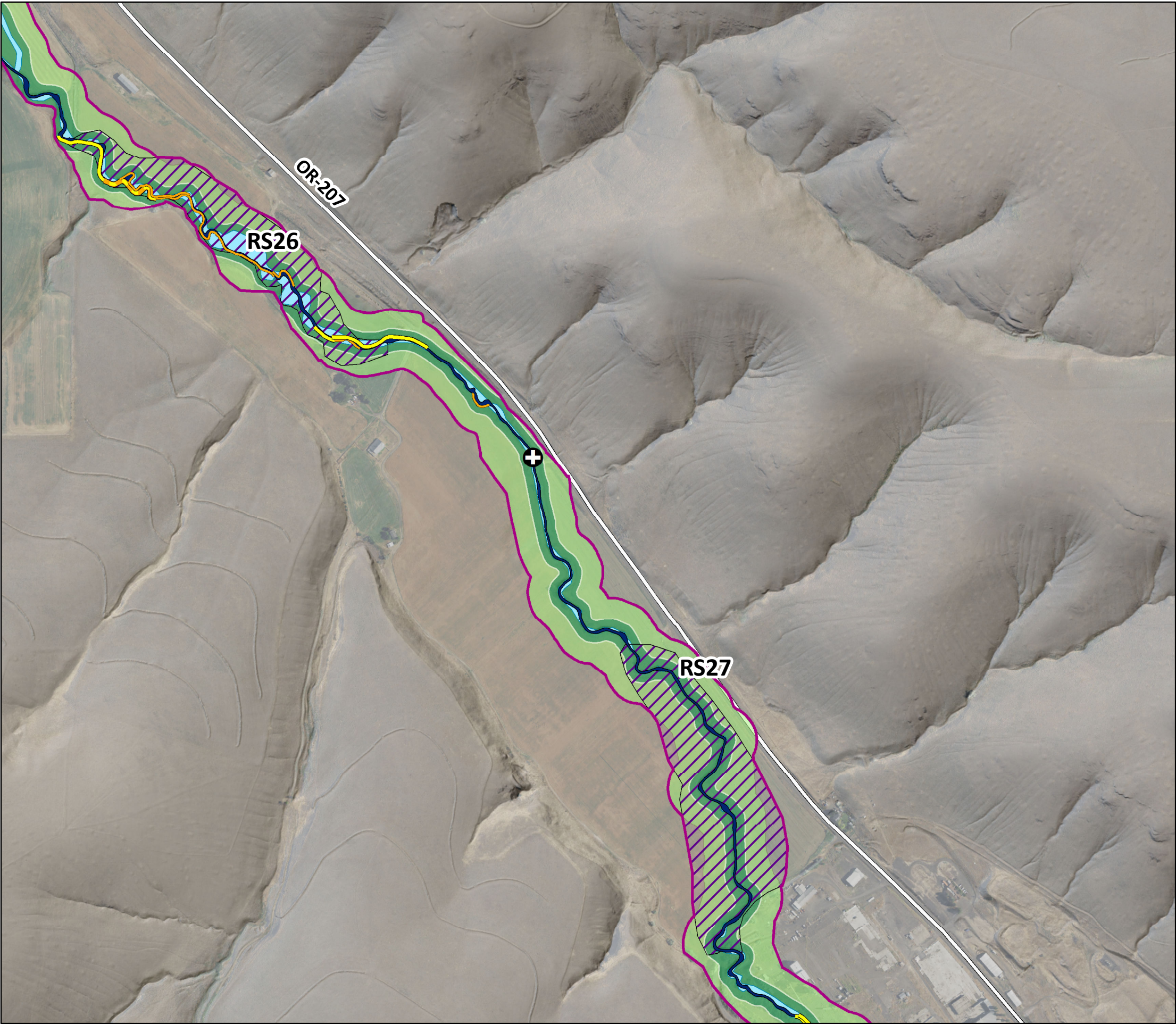
- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



Location map with Willow Creek, river segments, and current extent of map highlighted in red.

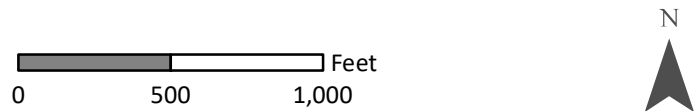




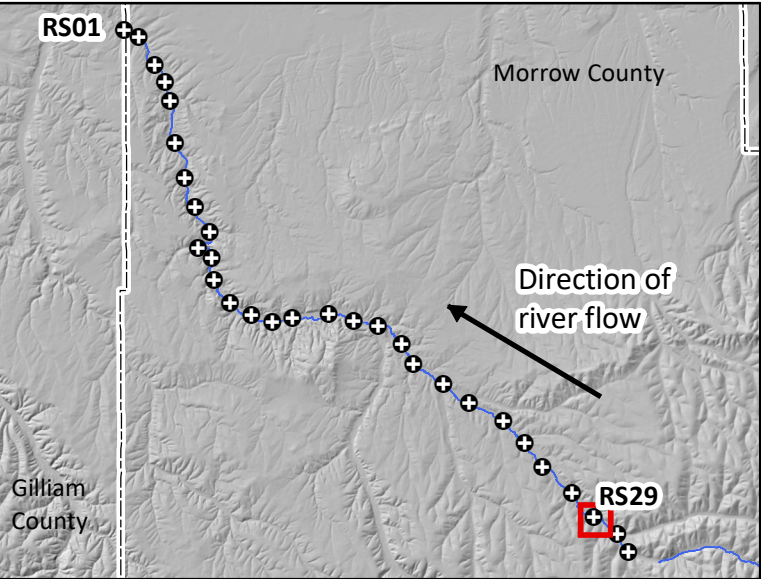
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Willow Creek River Segments 27-28

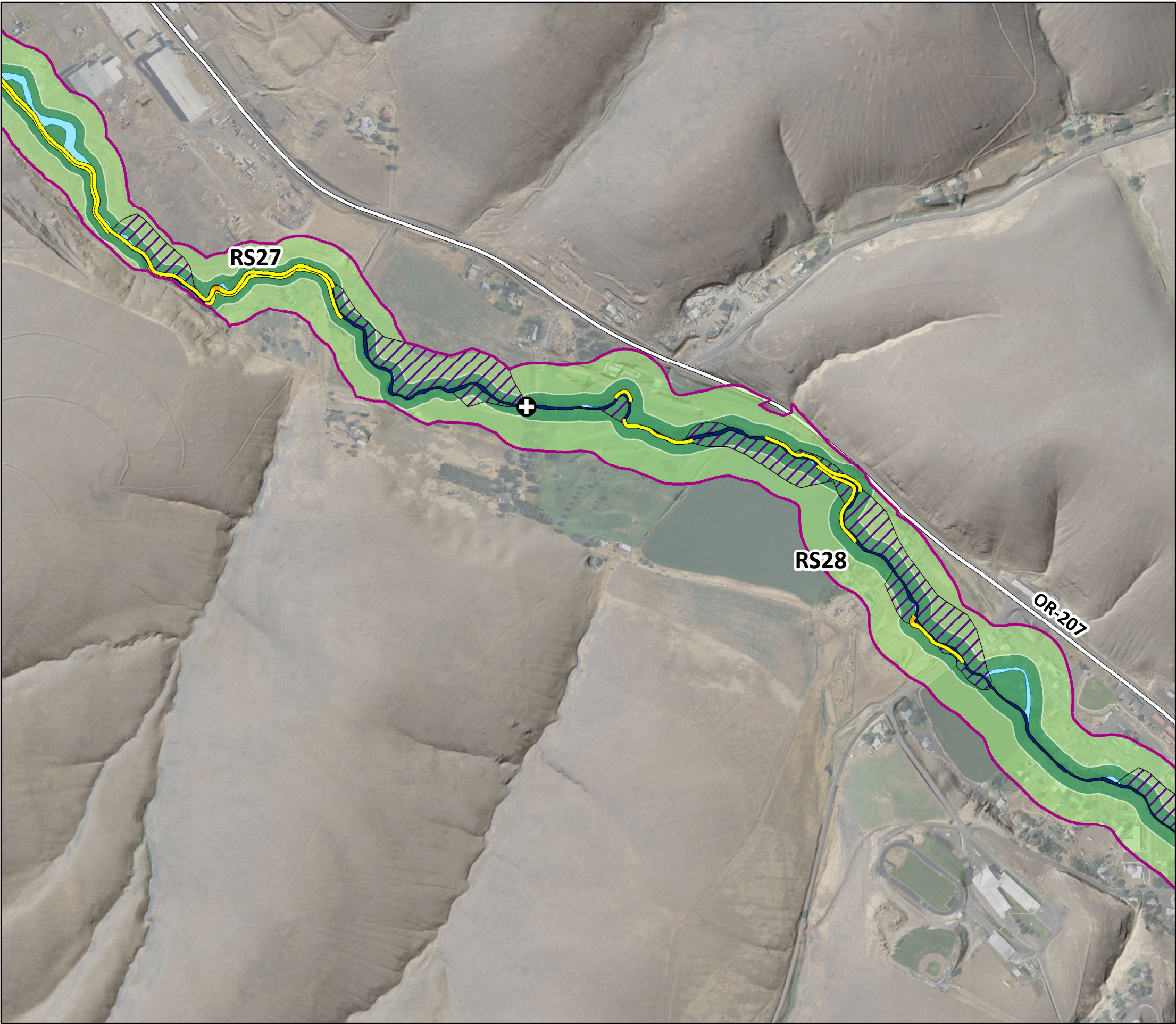
- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



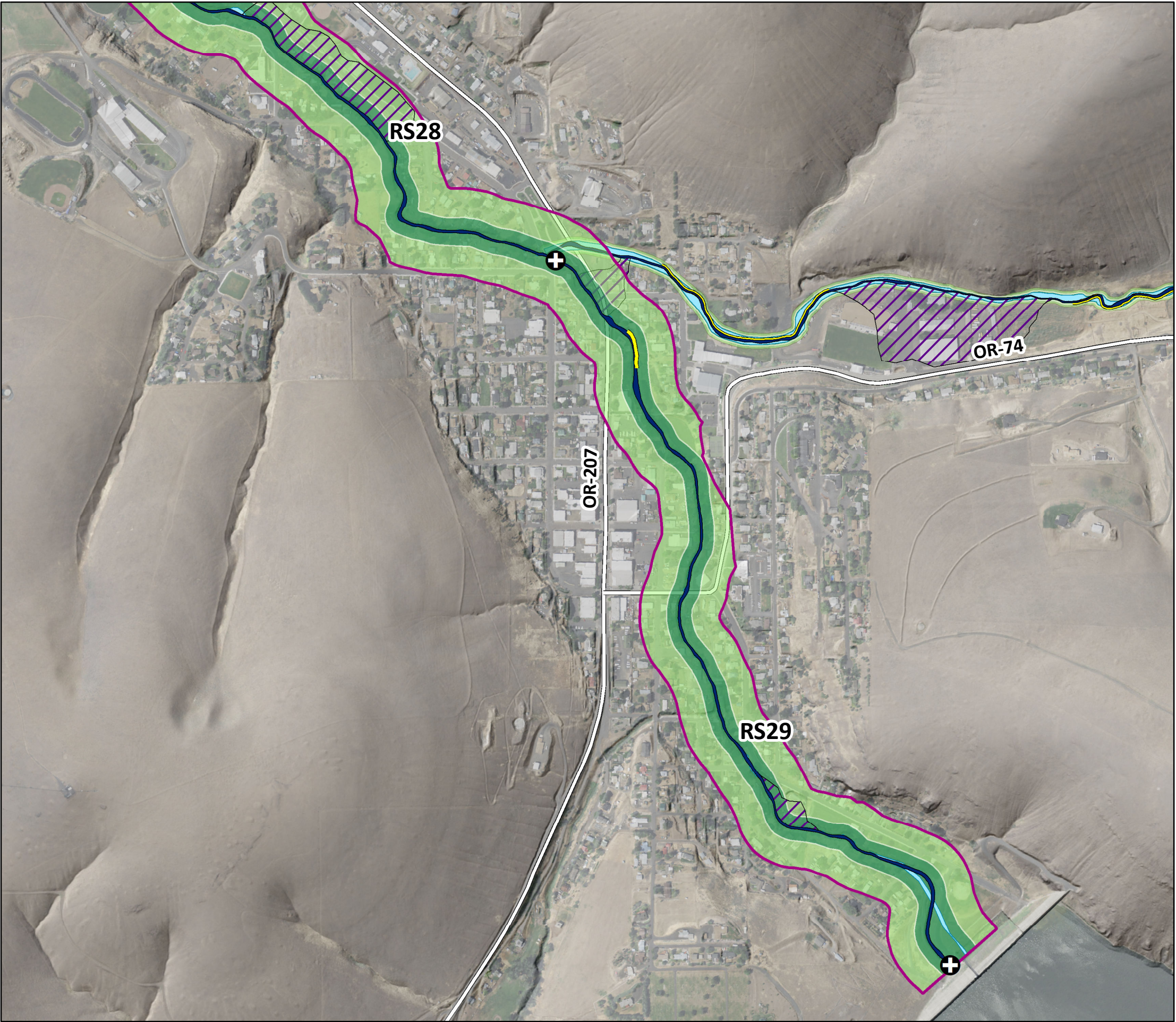
Basemap: Lidar hillshade and NAIP Imagery 2020



Location map with Willow Creek, river segments, and current extent of map highlighted in red.



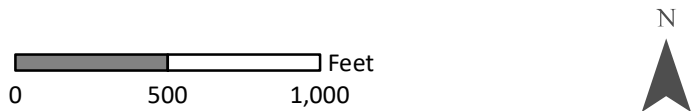




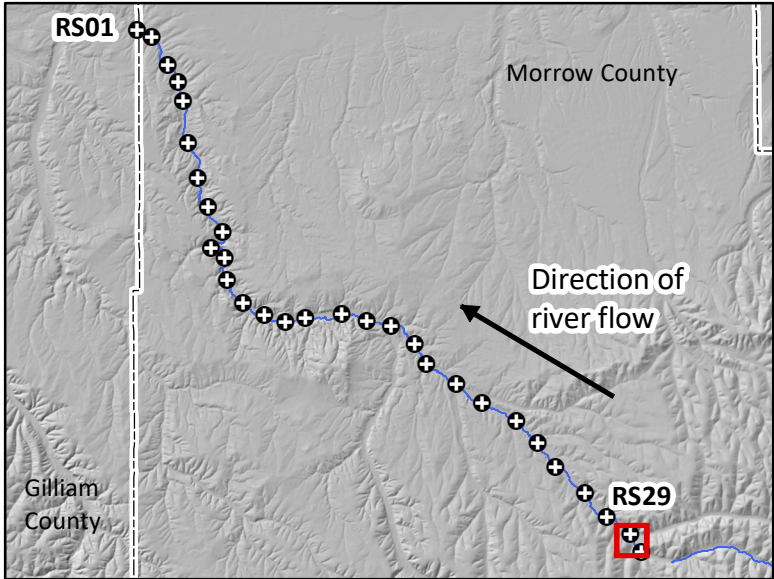
**Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon**

Morrow County  
Willow Creek River Segments 28-29

- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



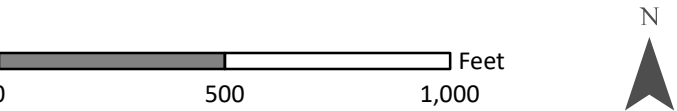
Location map with Willow Creek, river segments, and current extent of map highlighted in red.



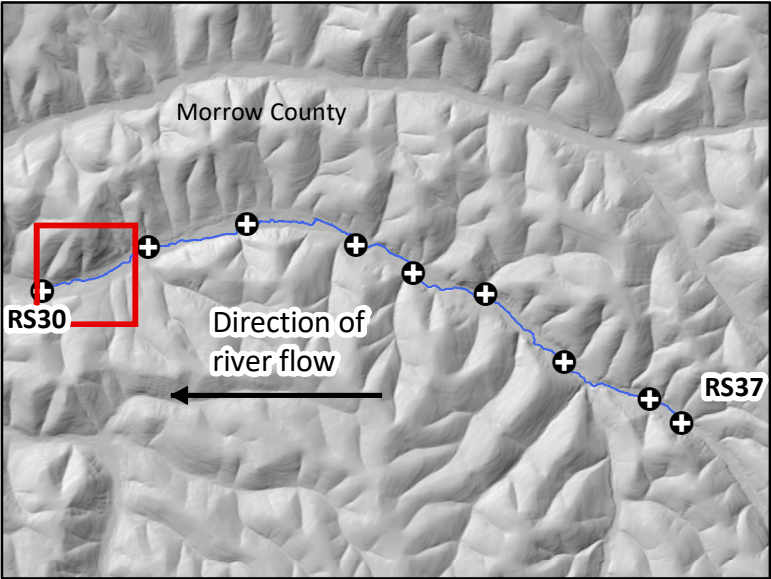
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Willow Creek, River Segment 30

- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



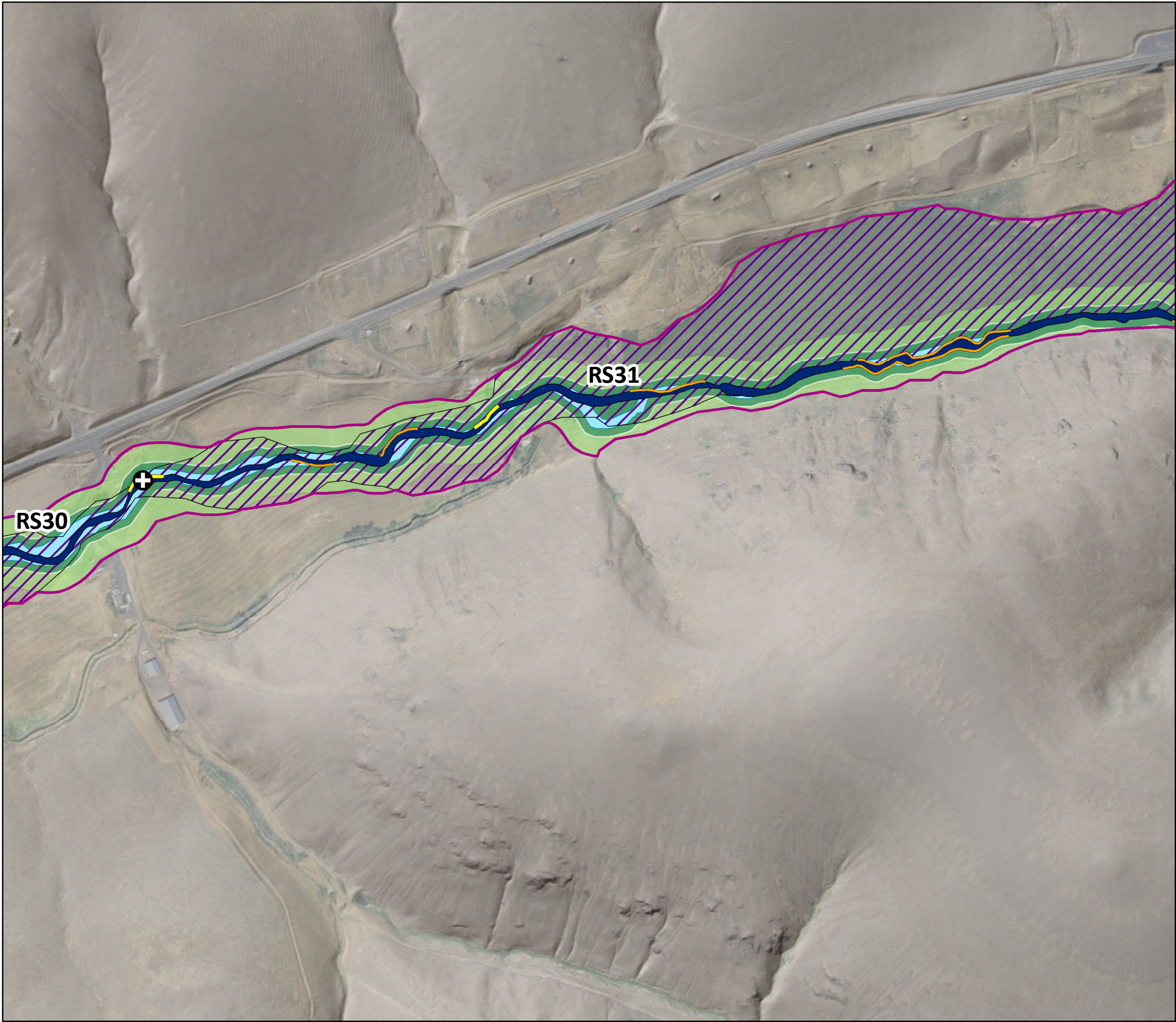
Location map with Willow Creek, river segments, and current extent of map highlighted in red.



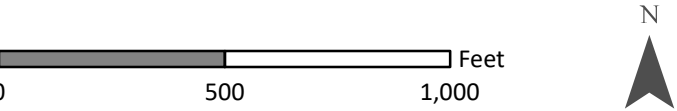


Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

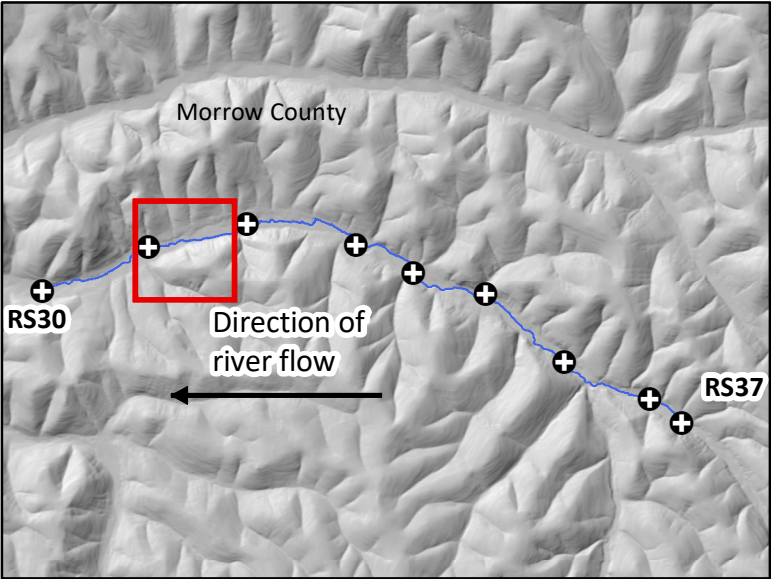
Morrow County  
Willow Creek, River Segments 30-31



- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020

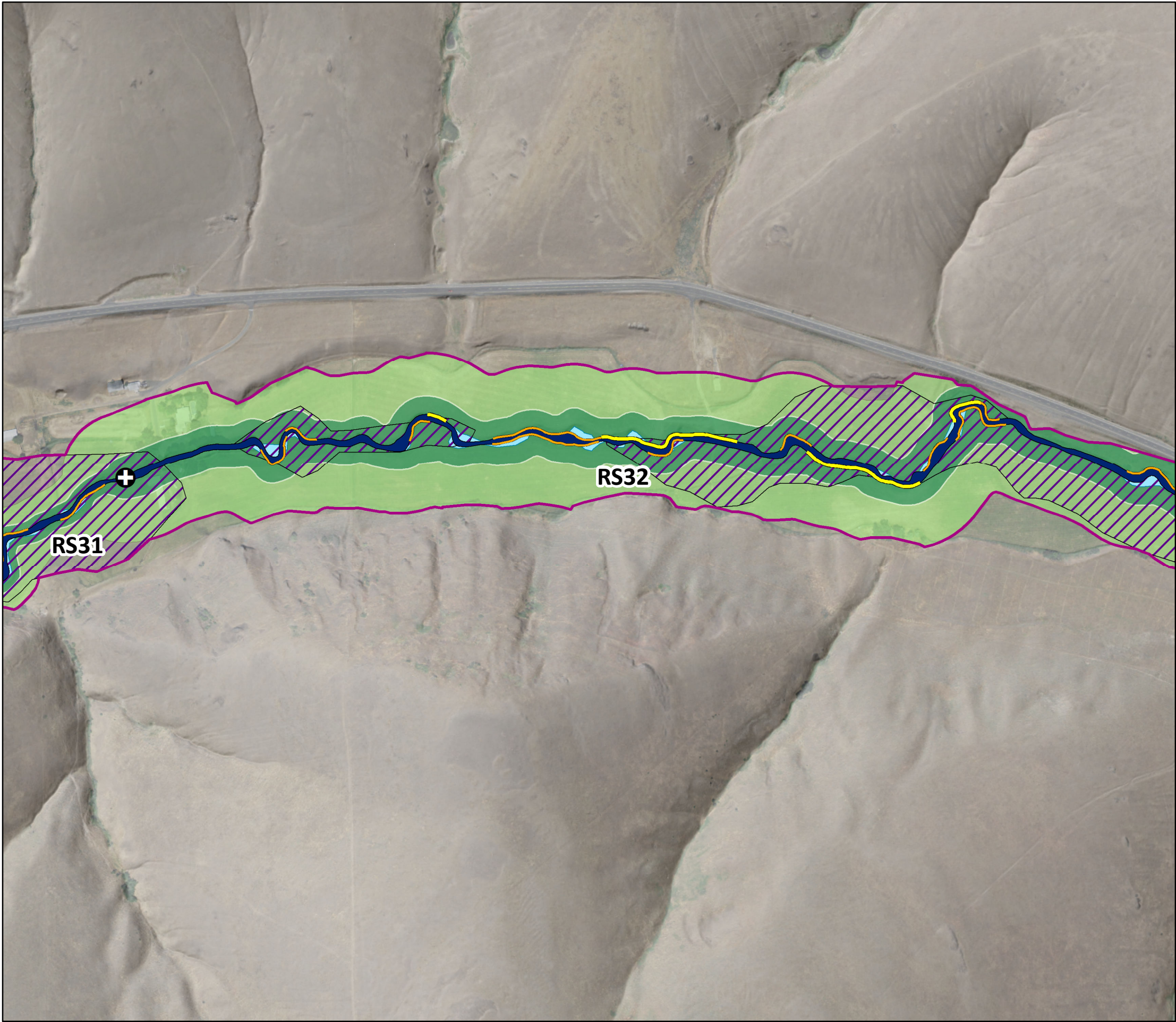


Location map with Willow Creek, river segments, and current extent of map highlighted in red.

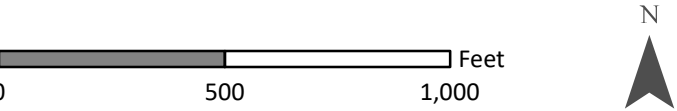


Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

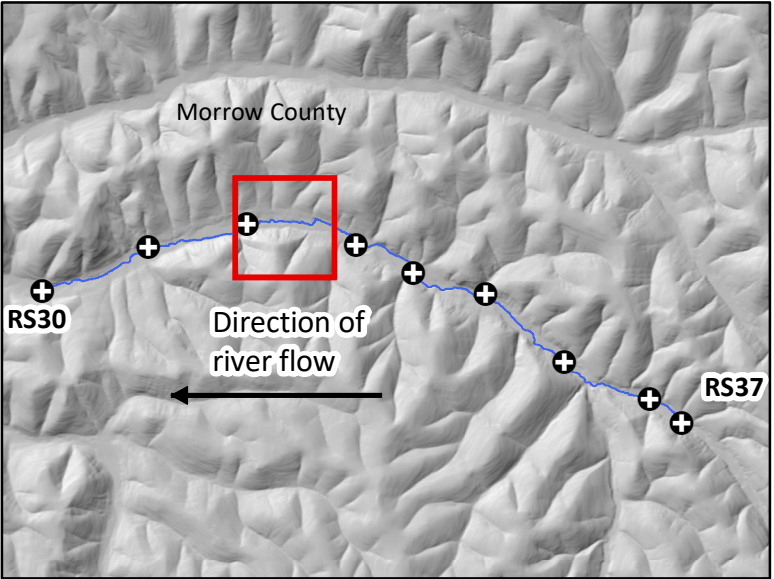
Morrow County  
Willow Creek, River Segments 31-32



- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020

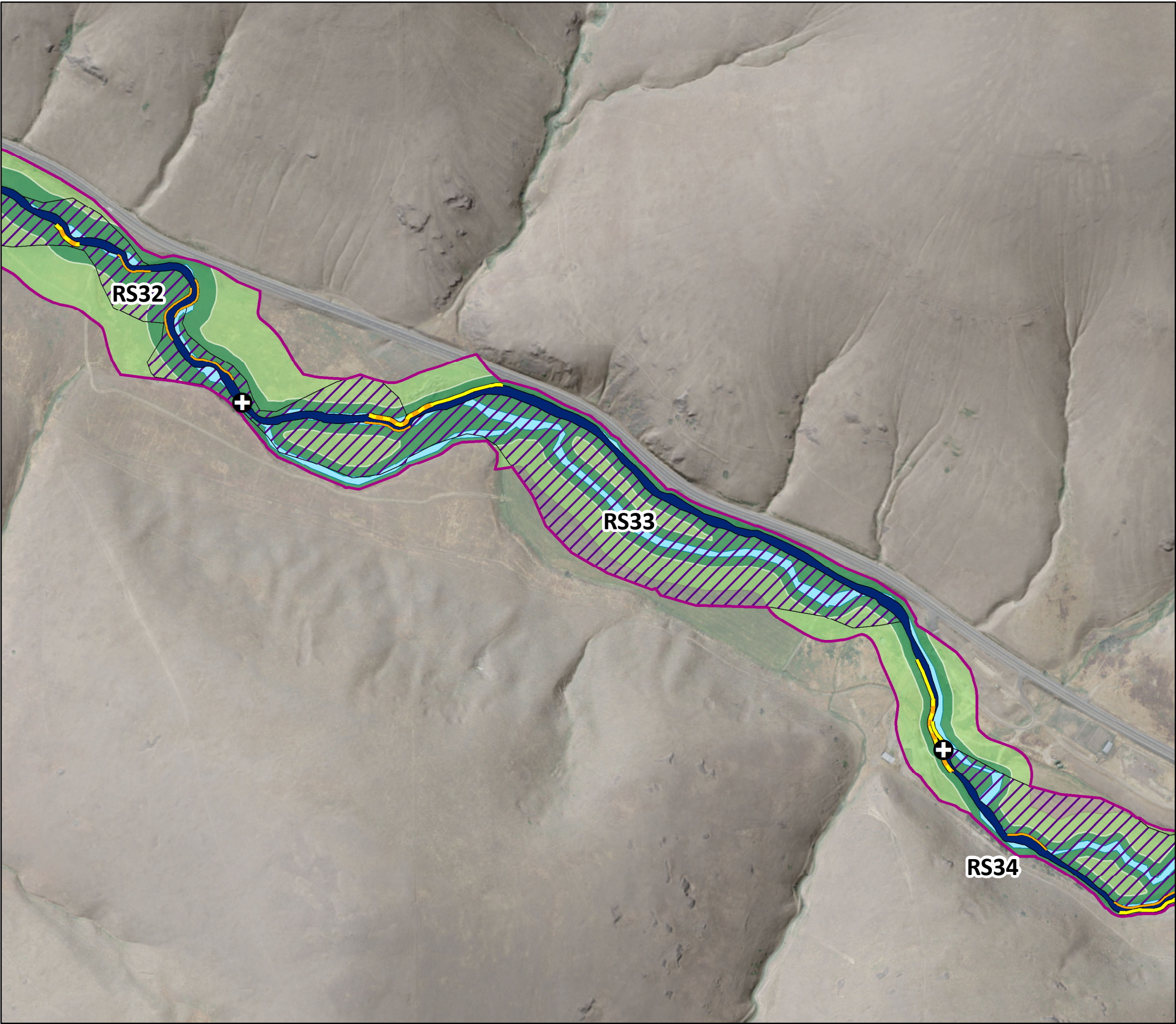


Location map with Willow Creek, river segments, and current extent of map highlighted in red.

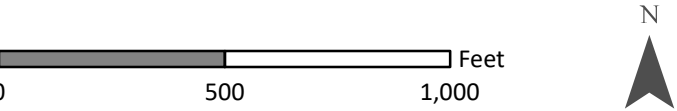


Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

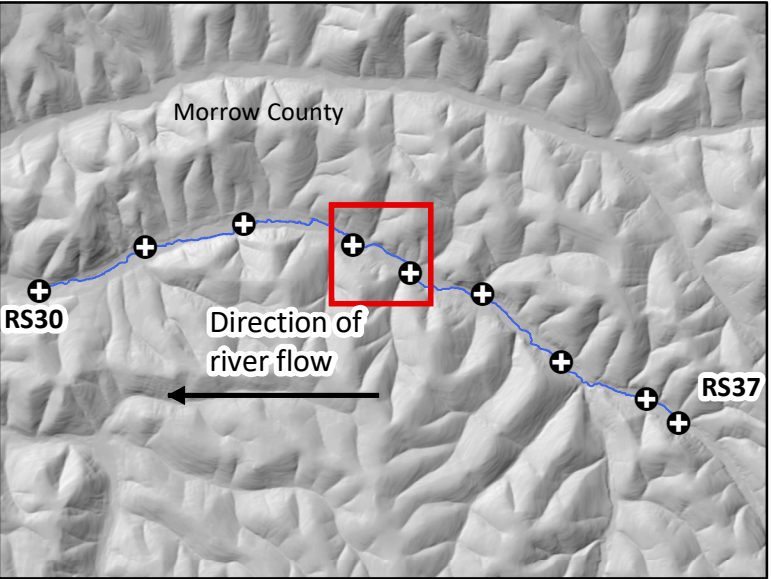
Morrow County  
Willow Creek, River Segments 32-34



- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020

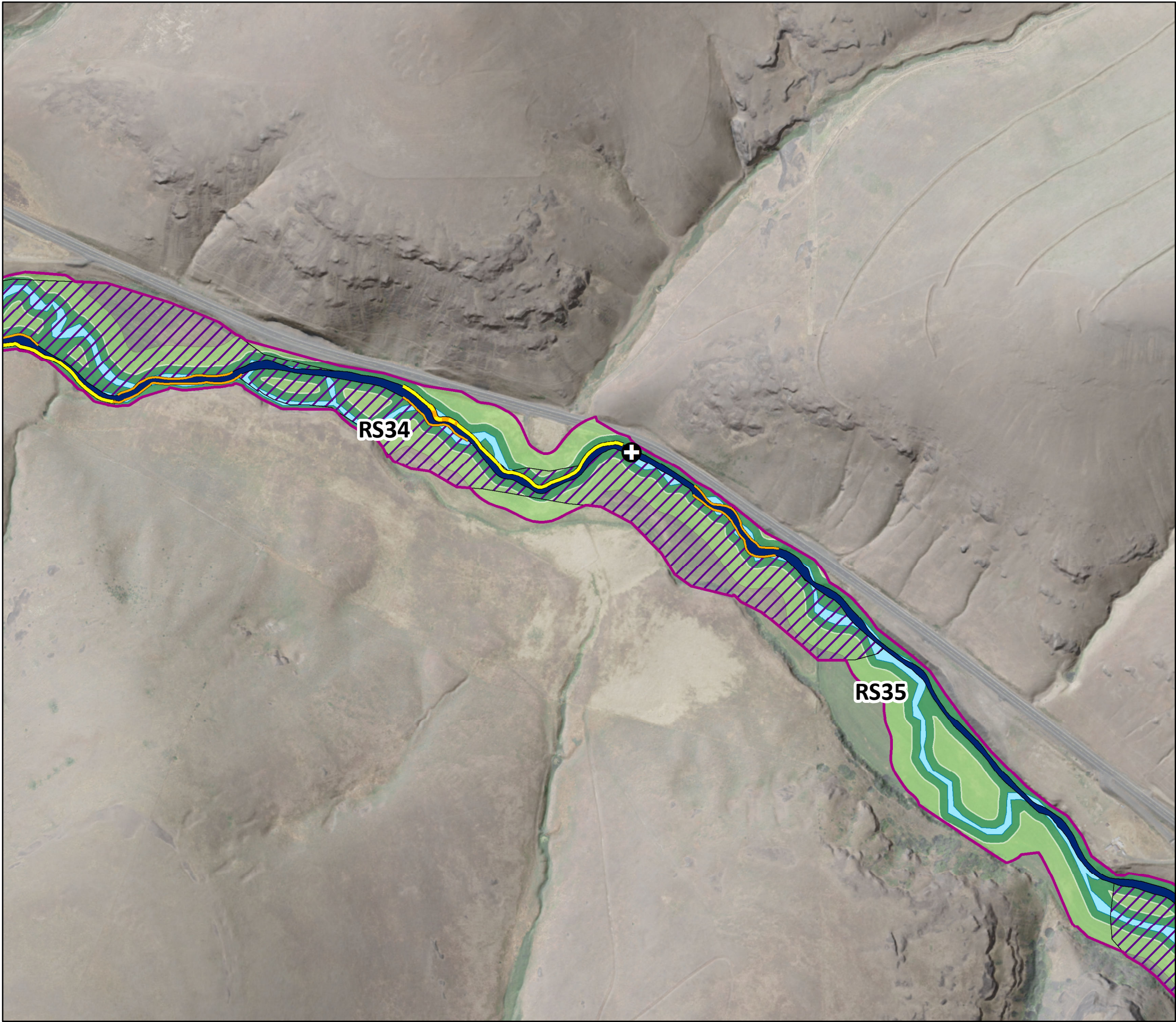


Location map with Willow Creek, river segments, and current extent of map highlighted in red.

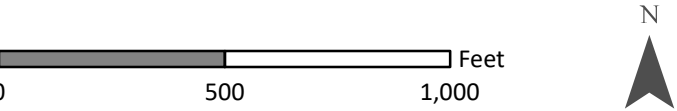


Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

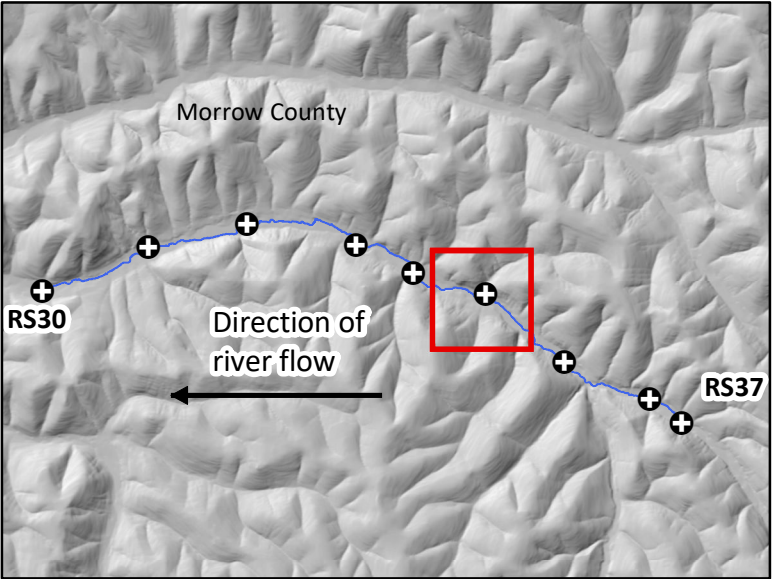
Morrow County  
Willow Creek, River Segments 34-35



- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



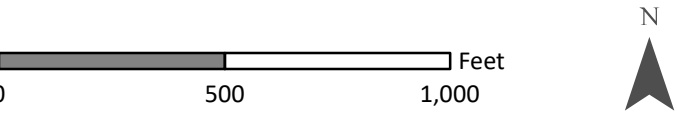
Location map with Willow Creek, river segments, and current extent of map highlighted in red.



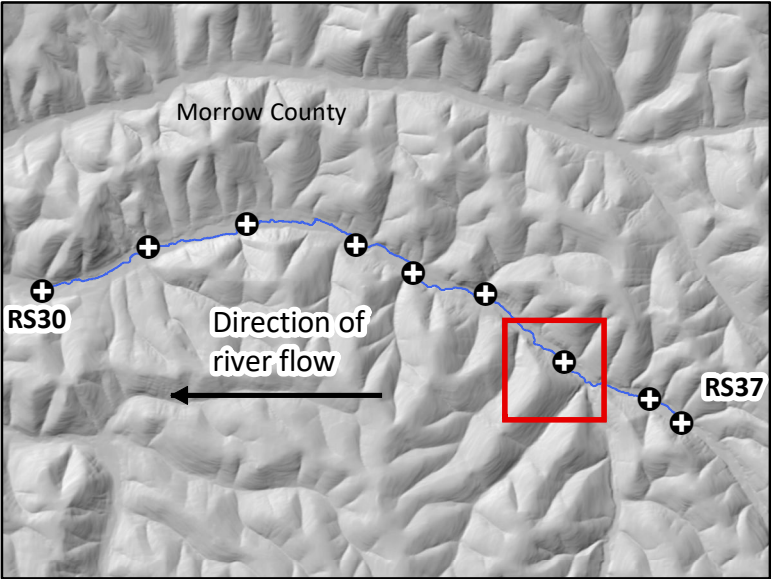
Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon

Morrow County  
Willow Creek, River Segments 35-36

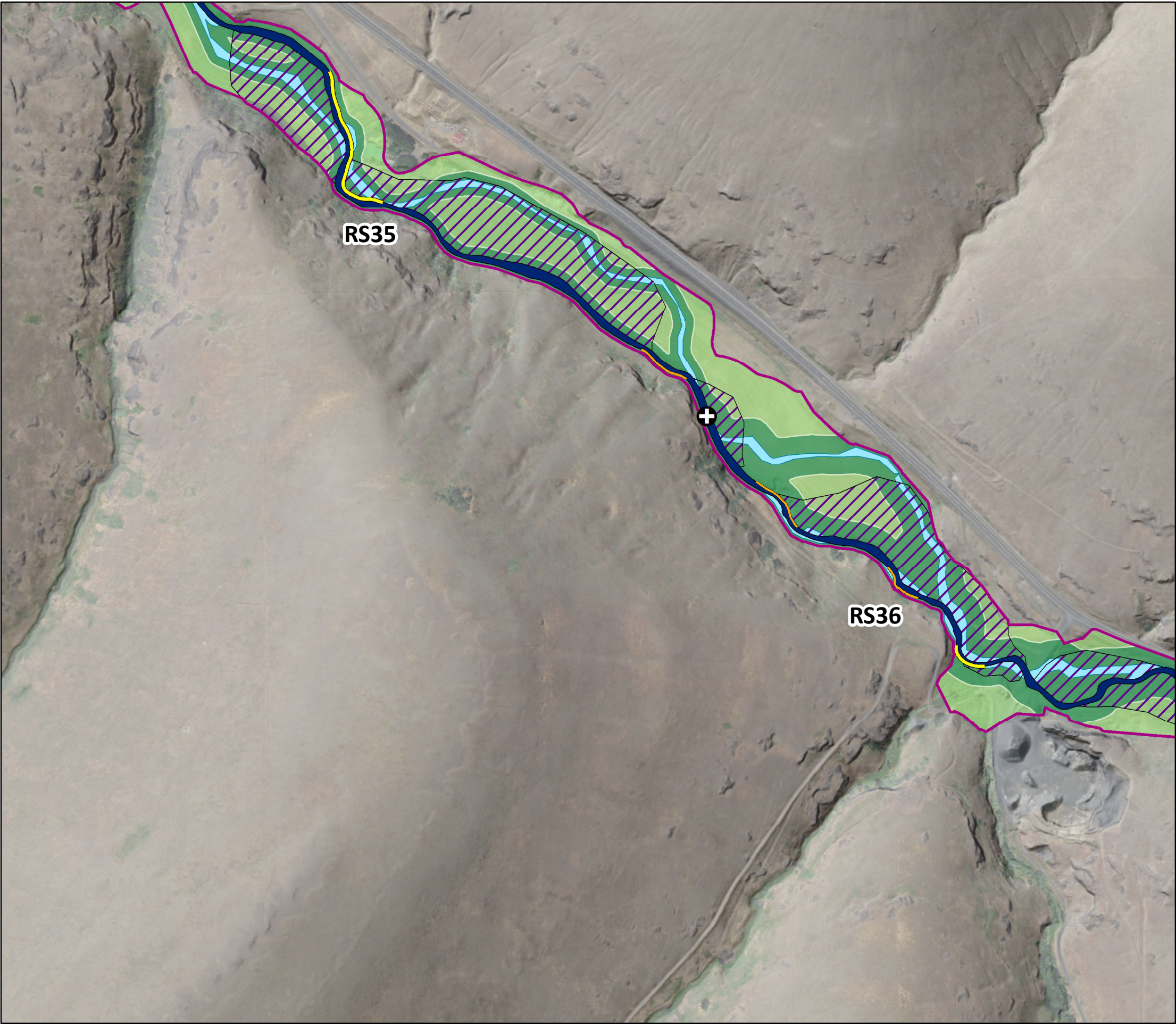
- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



Location map with Willow Creek, river segments, and current extent of map highlighted in red.



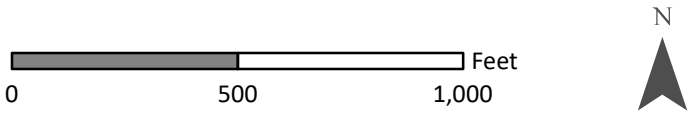




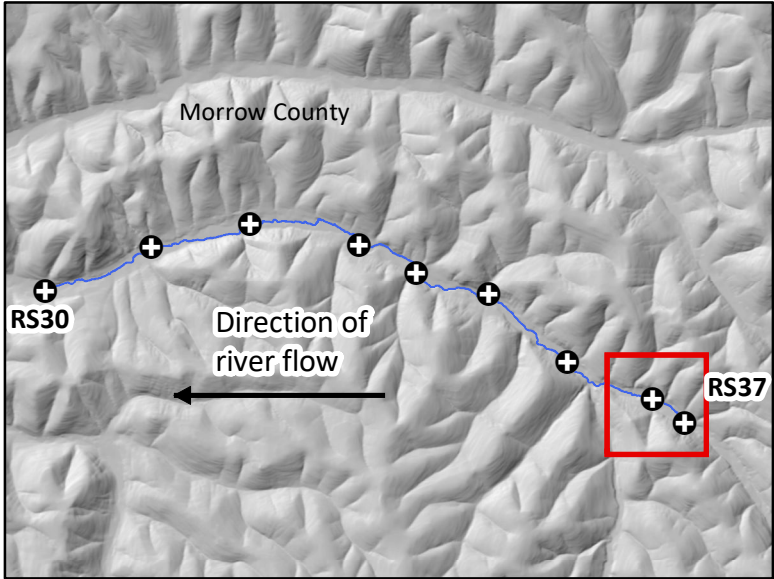
**Appendix A of Flood Depth and Chanel Migration Zone Maps, Benton Marion, Morrow, and Washington Counties, Oregon**

Morrow County  
Willow Creek, River Segments 36-37

- ⊕ River segment break points
- Channel migration zone
- Active channel
- Avulsion hazard area
- Historical migration area
- 30-year erosion hazard area
- 100-year erosion hazard area
- Flagged: adjacent to landslide deposit
- Flagged: change between 1995-2020
- Flagged: adjacent to landslide and change observed
- Major road



Basemap: Lidar hillshade and NAIP Imagery 2020



Location map with Willow Creek, river segments, and current extent of map highlighted in red.