

Lower Satsop River Reach Assessment and Design  
Concept Design: Sheet 1

4/16/2019 DRAFT

Aerial imagery 2017 NAIP  
River Miles are from the National Hydrography Dataset  
Parcels from Grays Harbor County GIS

Lambert conformal conic projection, NAD 1983  
State Plane Coordinate System (WA South Zone)

Proposed Action Time Frame

- 1 Priority Actions, 2019
- 1 Short Term, 2020-2023
- 1 Long Term, 2030-later
- Potential Avulsion Path
- Eroding Banks
- Revetments (WSE, 2017)

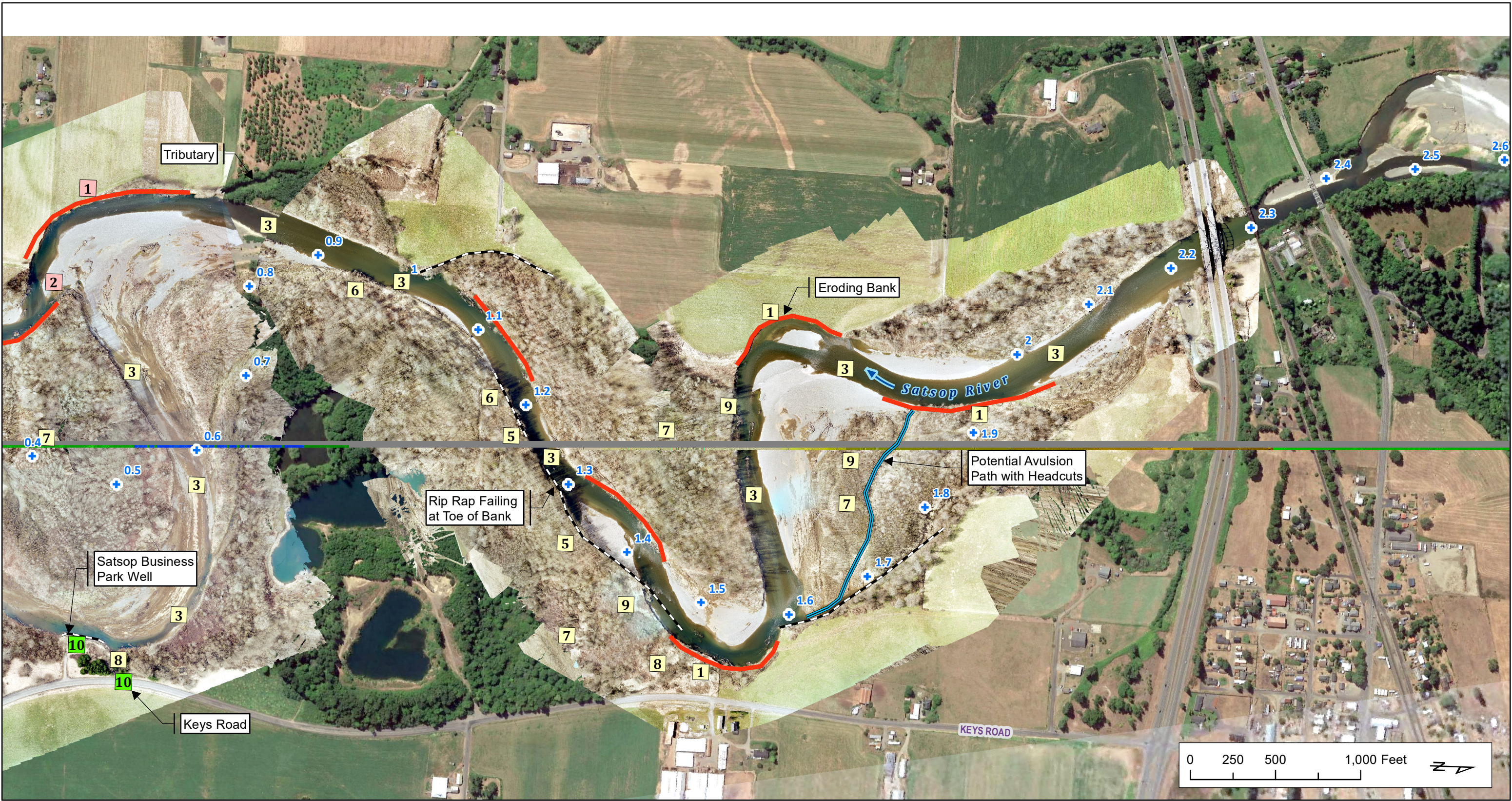
Project Objective

1. Reduce erosion and protect infrastructure.
2. Reduce erosion and protect infrastructure.
3. Improve floodplain connectivity and stream habitat.
4. Improve floodplain habitat for wildlife.
5. Improve floodplain connectivity.
6. Improve floodplain connectivity.
7. Improve floodplain habitat for wildlife.
8. Reduce erosion and protect infrastructure.
9. Reduce erosion and protect infrastructure.
10. Improve floodplain connectivity.

Concept Design Element:

1. Install wood structures at toe of bank in conjunction with laying back the bank and planting riparian vegetation.
2. Install wood structures to encourage river to re-engage with abandoned meander.
3. Install in channel structures to increase pool quantity, provide cover, and sort gravel.
4. Salvage existing wood accumulations for use as racking in new structures.
5. Remove bank hardening and selectively breach rock revetment.
6. Install left bank structures to push flow into relict side channels and across floodplain.
7. Riparian forest enhancement with conifer interplanting.
8. Install timber complex or setback revetment to protect infrastructure as appropriate.
9. Install floodplain roughness or floodplain fencing to reduce avulsion risk.
10. Remove and/or relocate infrastructure on floodplain (Keys Road and Satsop Business Park Well).





Lower Satsop River Reach Assessment and Design  
**Concept Design: Sheet 2**

**4/16/2019 DRAFT**

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- Proposed Action Time Frame**  

1

**Priority Actions, 2019**

1

**Short Term, 2020-2023**

1

**Long Term, 2030-later**

**Potential Avulsion Path**

**Eroding Banks**

**Retments (WSE,2017)**

- Project Objective**  
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2. Reduce erosion and protect infrastructure.  
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4. Improve floodplain habitat for wildlife.  
5. Improve floodplain connectivity.  
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9. Reduce erosion and protect infrastructure.  
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