

# Tolt River Corridor Plan

## Corridor Plan Overview Existing Conditions

January 15, 2015

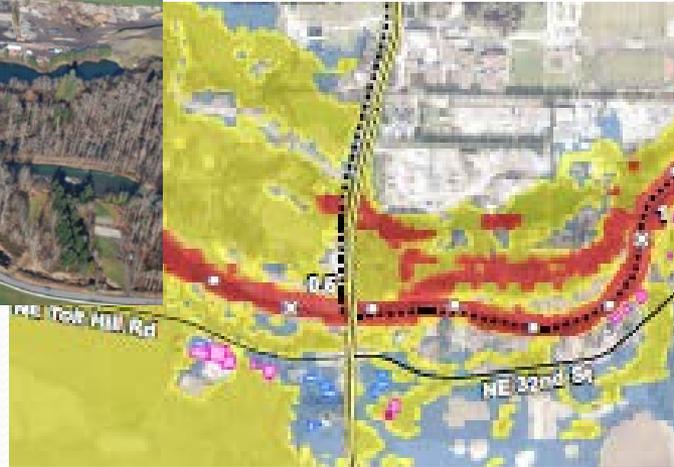


# Corridor Plan Overview

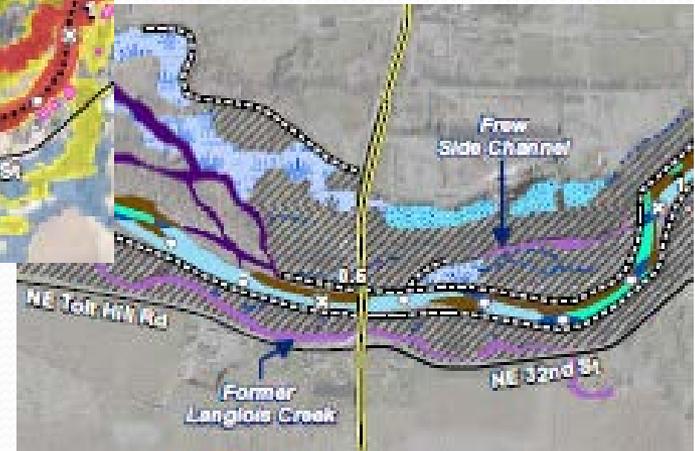
## What is a corridor plan?



*Existing and Future Conditions*

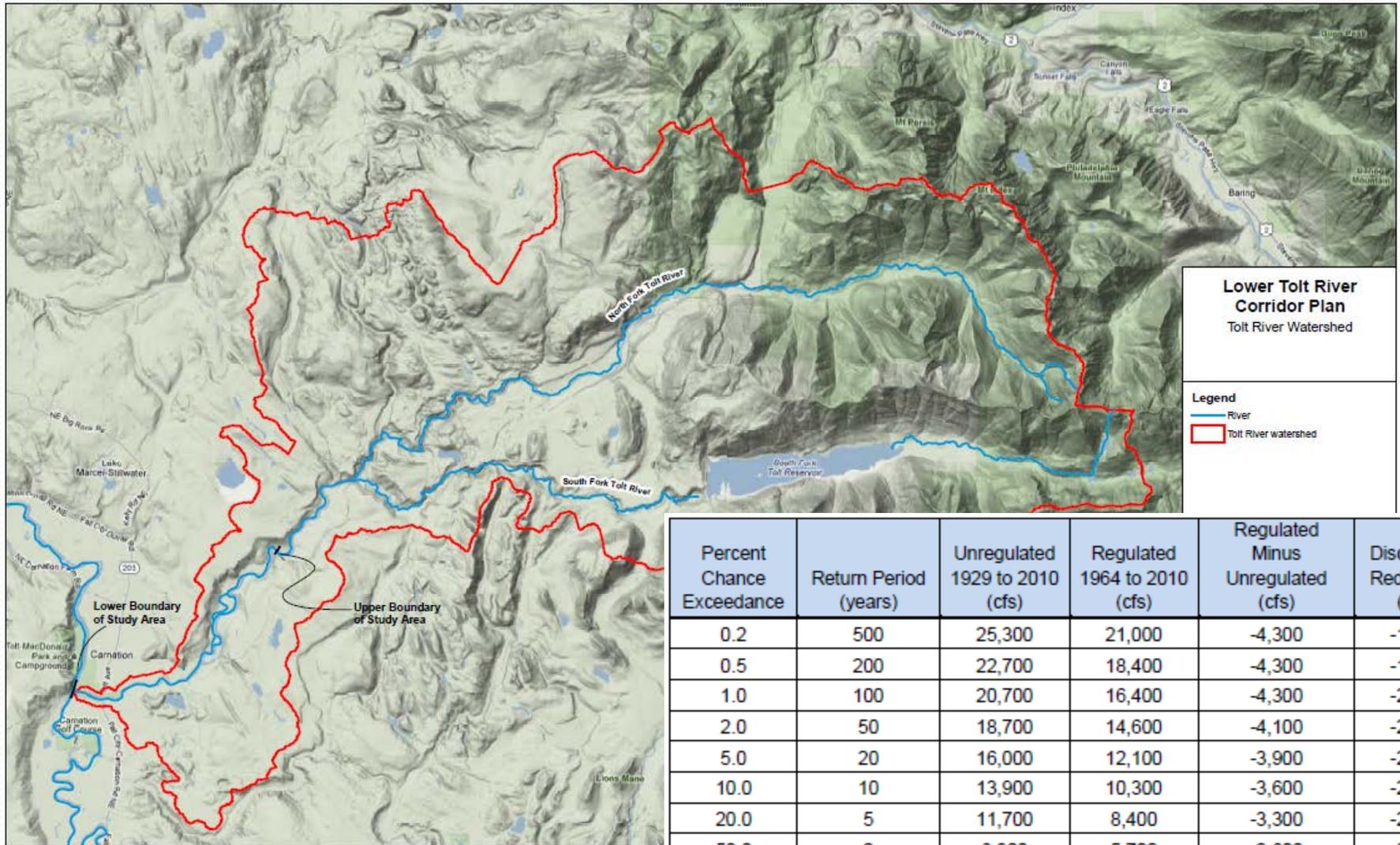


*Flood and River Process Hazards*



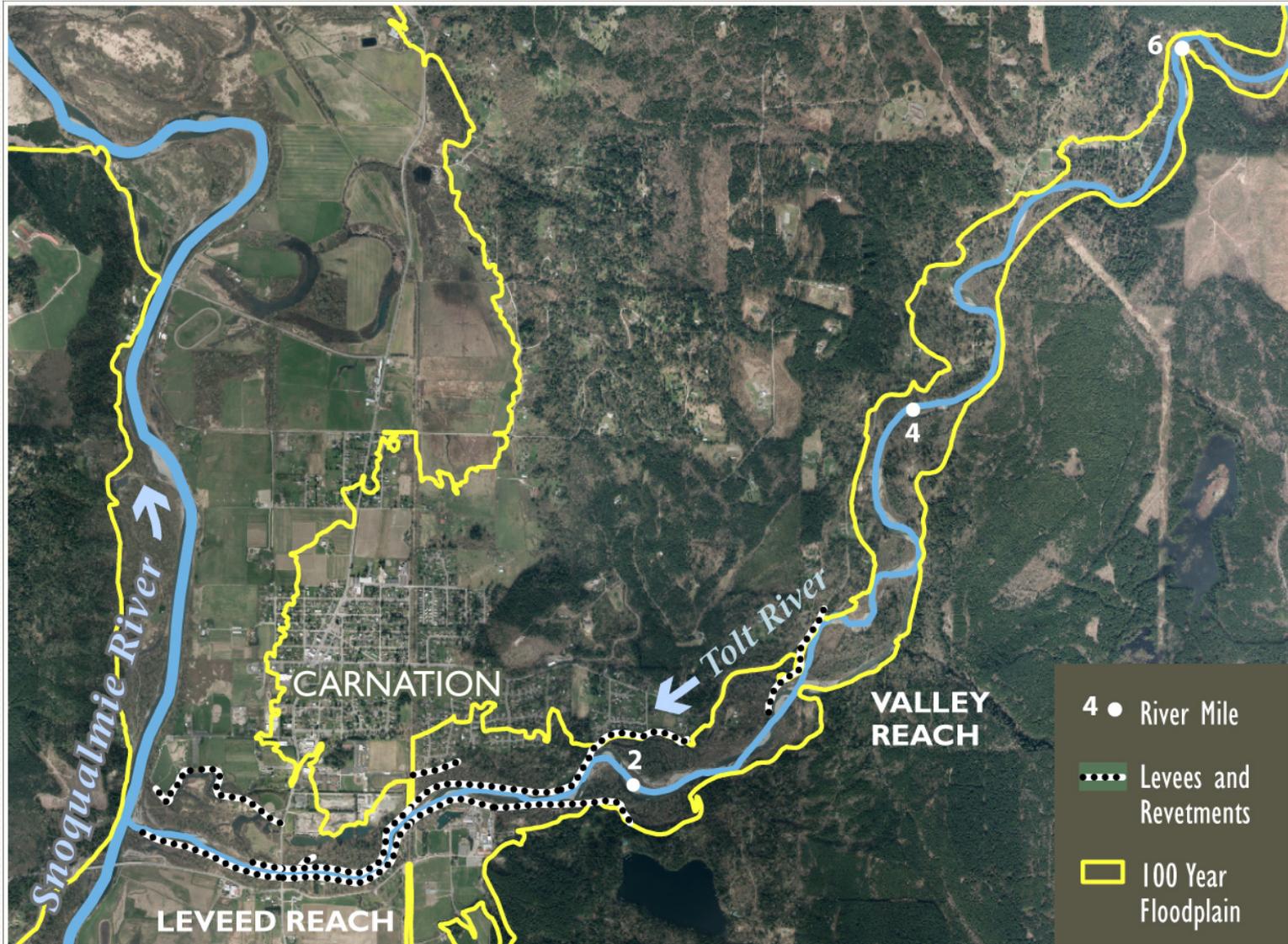
*Habitat Conditions and Recovery Potential*

# Tolt River Basin



Percent Chance Exceedance	Return Period (years)	Unregulated 1929 to 2010 (cfs)	Regulated 1964 to 2010 (cfs)	Regulated Minus Unregulated (cfs)	Discharge Reduction (%)
0.2	500	25,300	21,000	-4,300	-17%
0.5	200	22,700	18,400	-4,300	-19%
1.0	100	20,700	16,400	-4,300	-21%
2.0	50	18,700	14,600	-4,100	-22%
5.0	20	16,000	12,100	-3,900	-24%
10.0	10	13,900	10,300	-3,600	-26%
20.0	5	11,700	8,400	-3,300	-28%
50.0	2	8,300	5,700	-2,600	-31%
99.0	1.01	3,000	1,900	-1,100	-37%

# Planning Area



# Alluvial Fan Reach 1936 and 1964



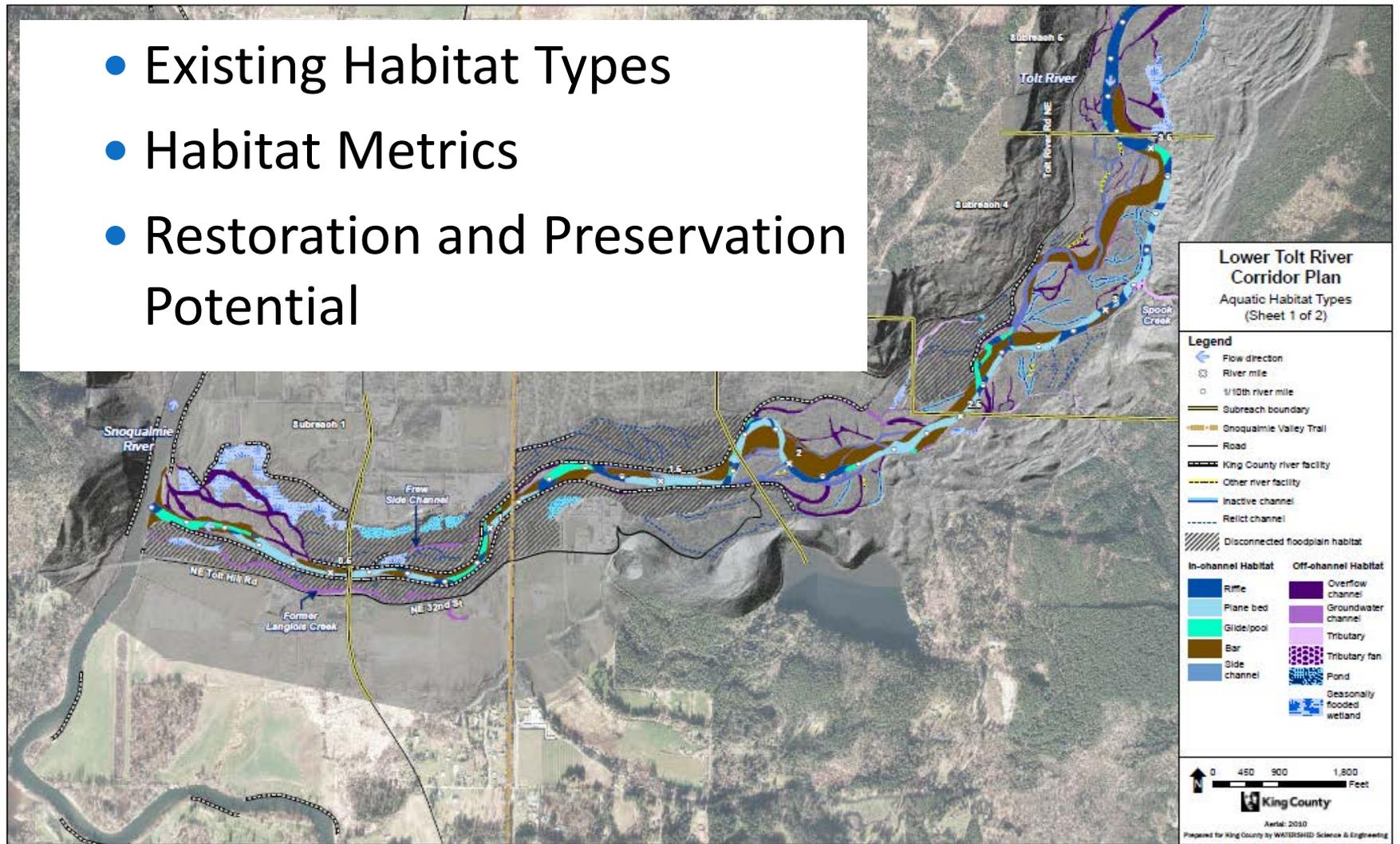
# Hazard and Risk Identification

- Floods
  - Deep and Fast Flow Areas
  - Isolation
- Channel Processes
  - Lateral migration
  - Avulsions
  - Breach hazards
- Landslides

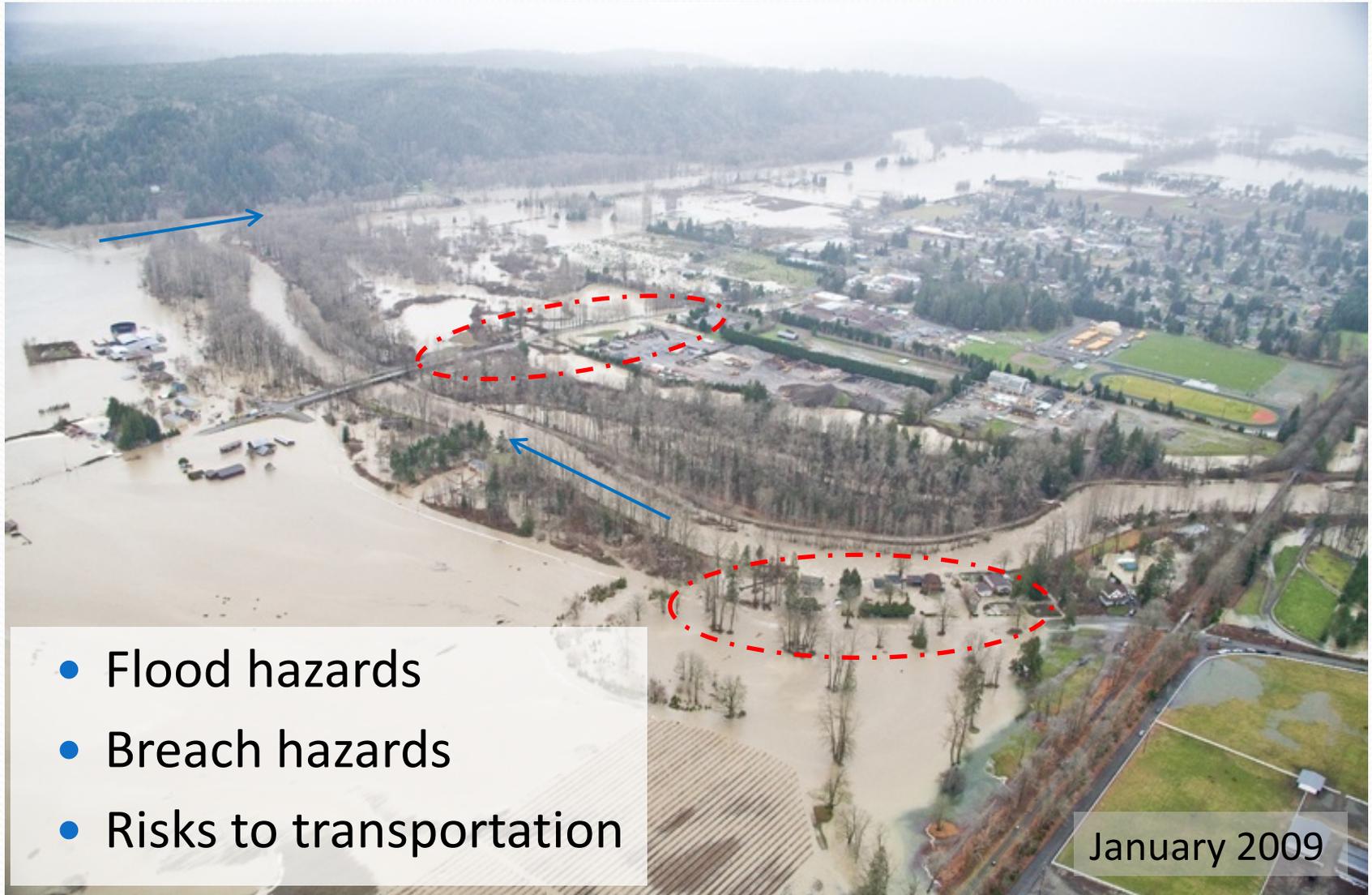


# Habitat Conditions

- Existing Habitat Types
- Habitat Metrics
- Restoration and Preservation Potential



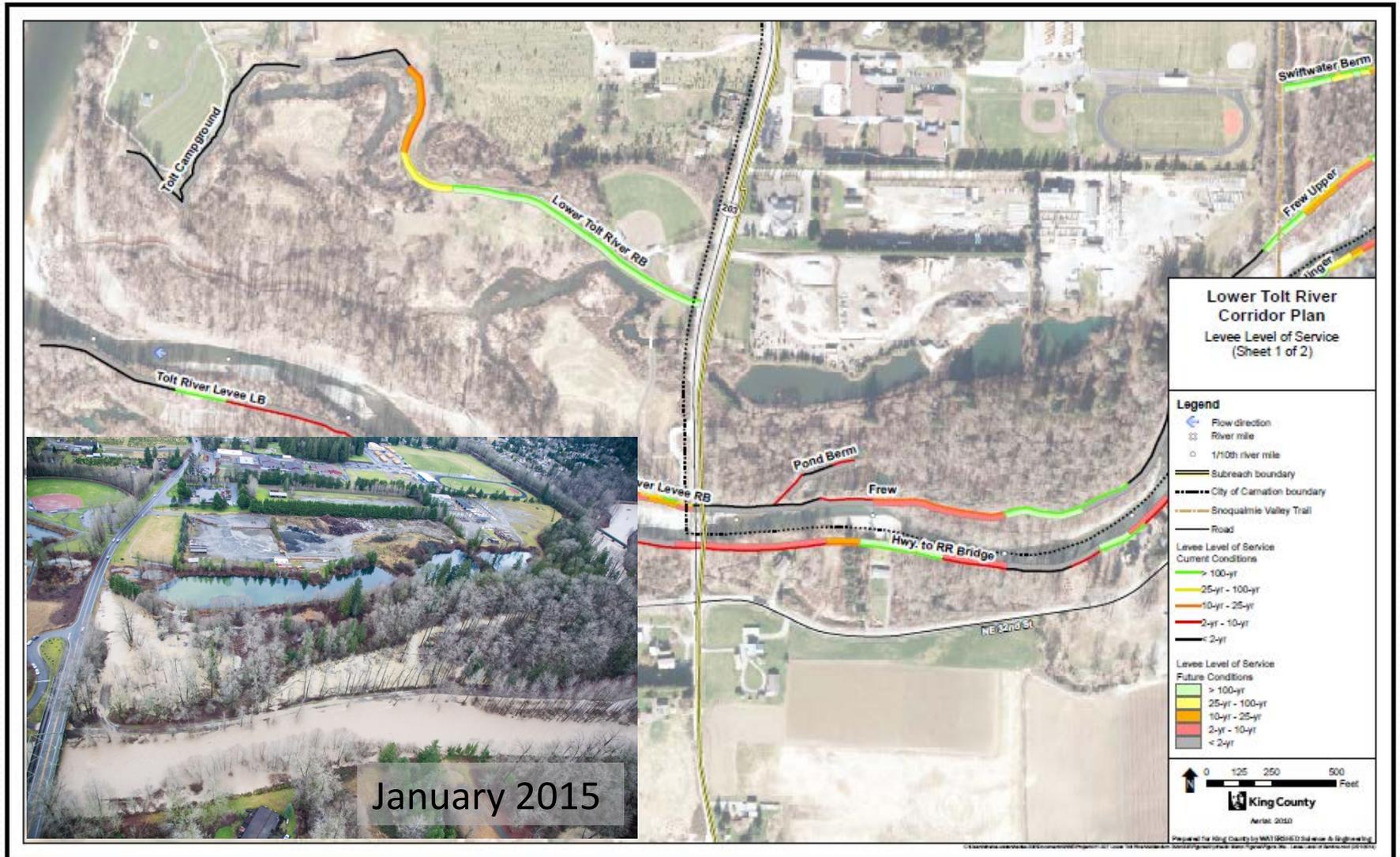
# Alluvial Fan Reach



- Flood hazards
- Breach hazards
- Risks to transportation

January 2009

# Alluvial Fan Reach



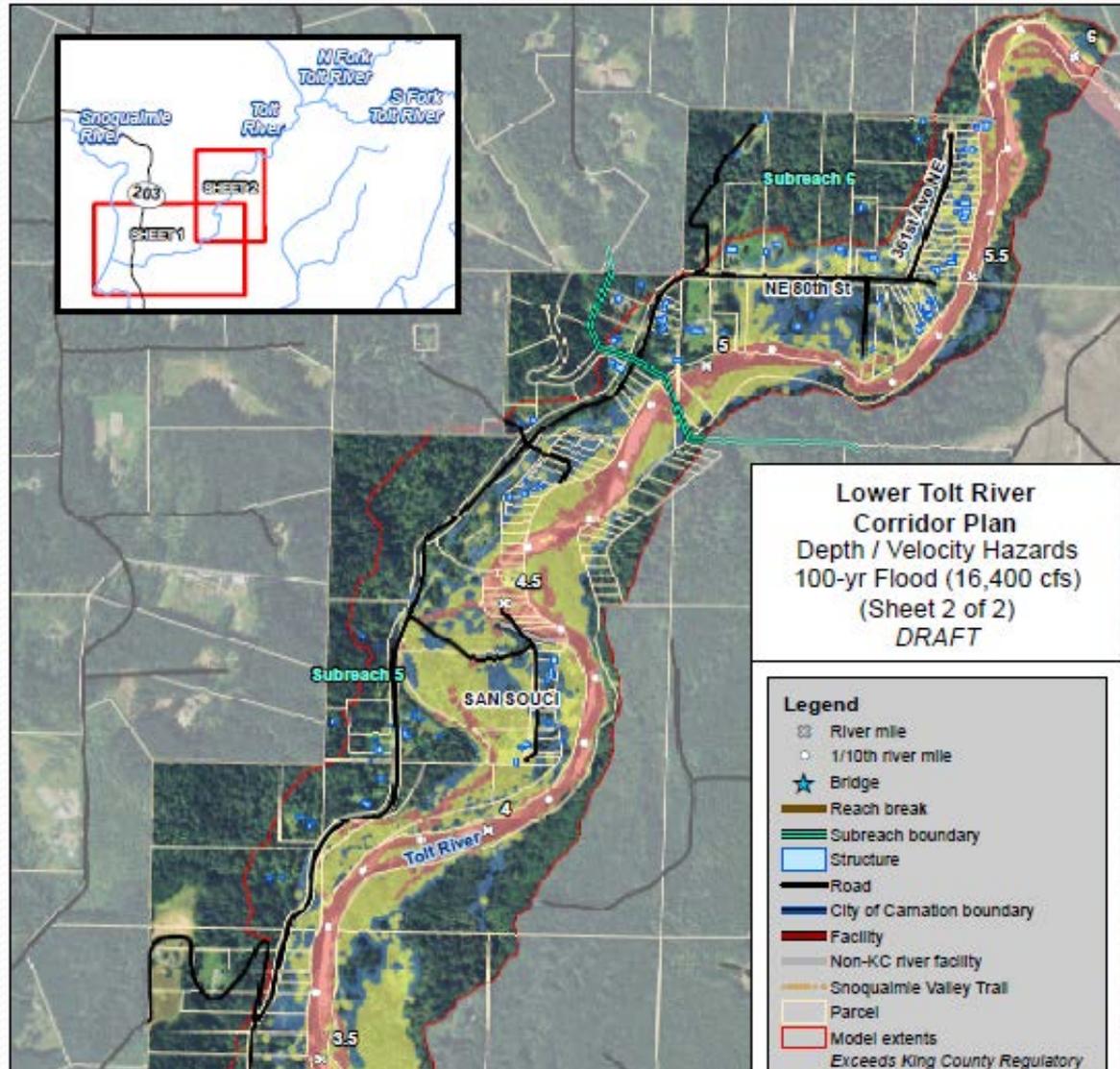


# Valley Reach

- Channel migration and avulsion hazards
- Deep and fast flow hazards
- Isolation and restricted access

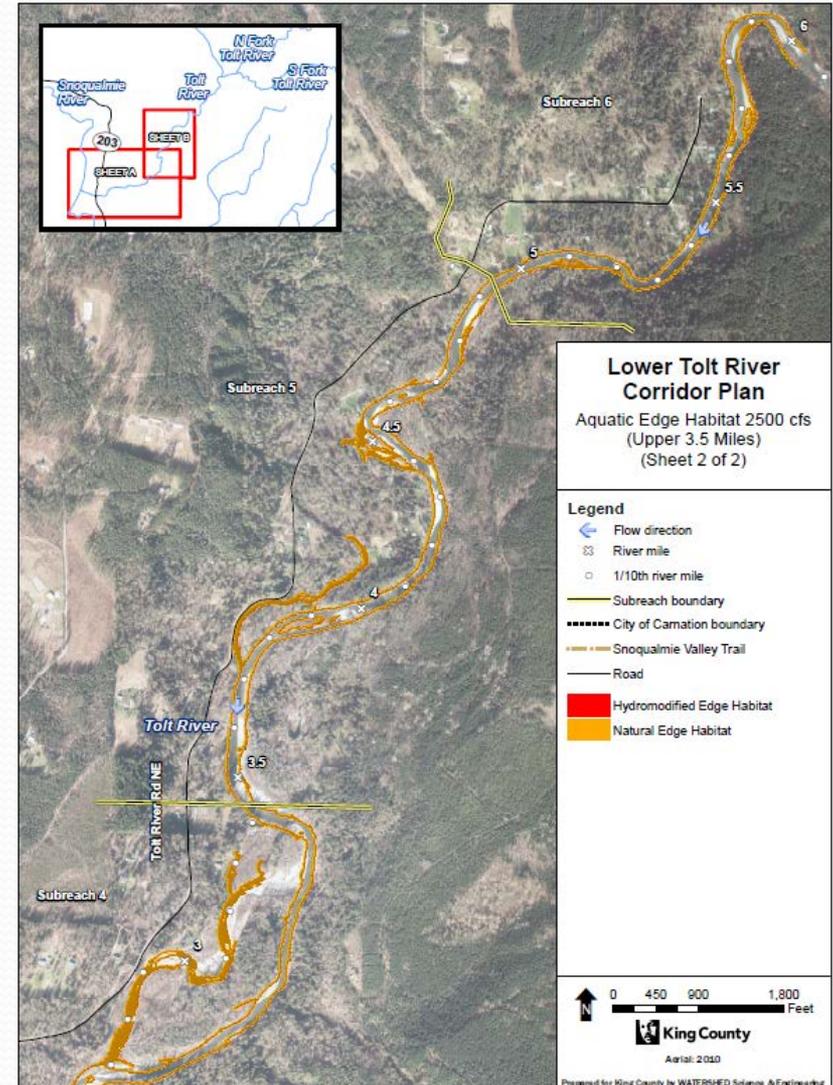


# Valley Reach



# Valley Reach

- Habitat conditions:
  - Poor to high floodplain connectivity
  - Poor to high aquatic habitat quality
  - Poor to high quality riparian conditions
- Potential for improvements and preservation



# Questions and Discussion

- What are your biggest concerns?
- Can you give us feedback on our results?
- Are there other problem areas you'd like to discuss?

# Valley Reach

