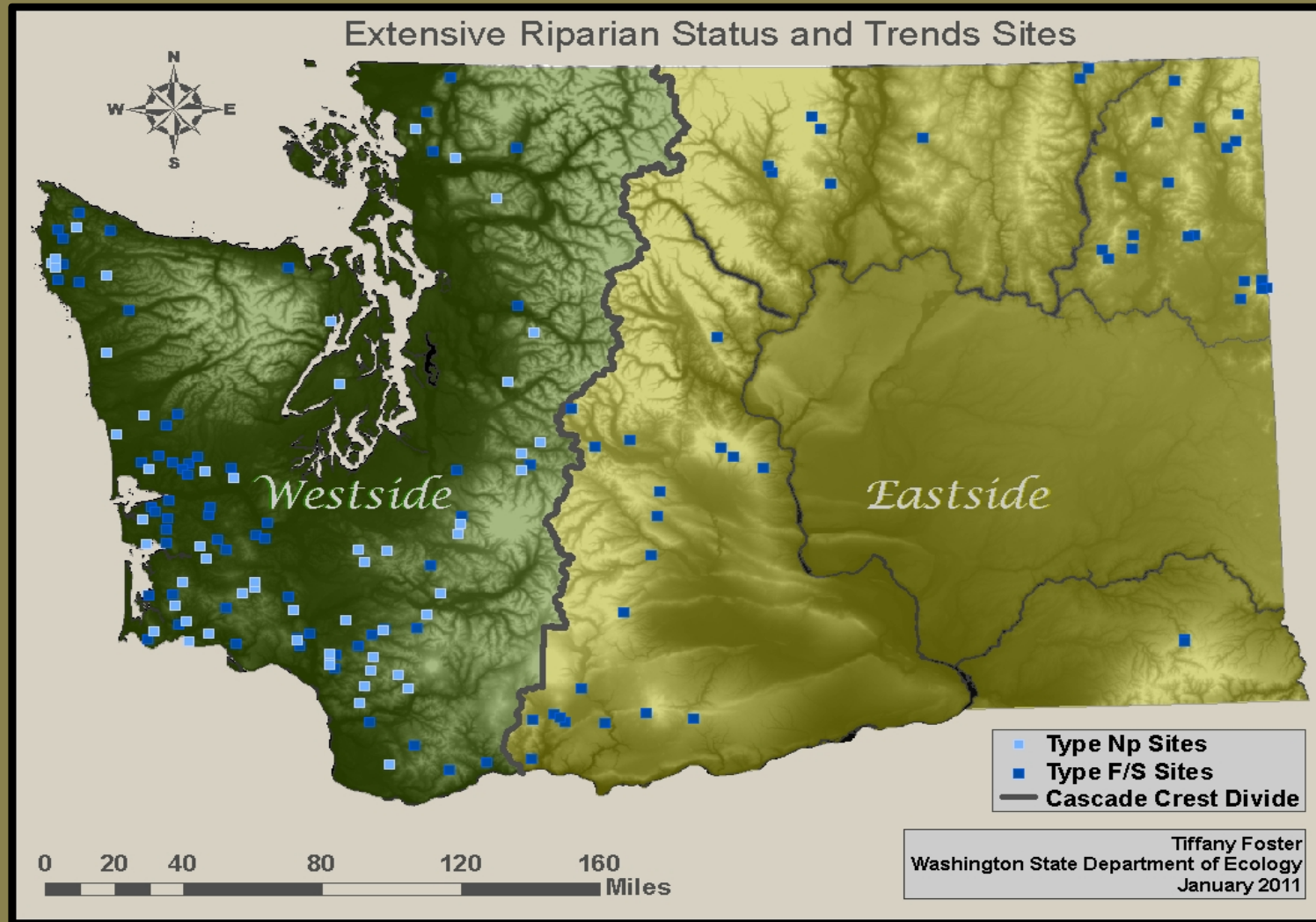


# EXTENSIVE RIPARIAN STATUS AND TRENDS MONITORING PROGRAM - STREAM TEMPERATURE

## Phase I: Westside Type F/S and Type Np Monitoring Project



# EXTENSIVE RIPARIAN STATUS AND TRENDS MONITORING PROGRAM – Stream Temperature

## Westside Type Np

Phase I- Baseline Status 2008-2009

Phase II- Trend Monitoring-TBD

## Westside Type F/S

Phase I- Baseline Status 2008-2009

Phase II- Trend Monitoring-TBD

## Eastside Type Np

Phase I- Baseline Status-TBD

Phase II- Trend Monitoring-TBD

## Eastside Type F/S

Phase I- Baseline Status 2007-2008

Phase II- Trend Monitoring-TBD





# Extensive Monitoring

- Provides estimates of population (e.g., mean, percentiles).
  - Stream temperature
  - Shade
- Is not a direct evaluation of specific forest management activities.



# Results – Temperature and Shade

Stream Type	Metric	25%-tile	Median	75%-tile
F/S	Canopy closure	39%	78%	96%
	7DADM	15.4 °C	18.1 °C	19.5 °C
Np	Canopy closure	73%	93%	98%
	7DADM	13.2 °C	15.2 °C	16.5 °C



# Other Variables

- Catchment area
- Catchment slope
- Elevation
- Distance to divide
- Bankfull width
- Wetted width
- Mean depth
- Thalweg depth
- Gradient
- Aspect
- Embeddedness, mid-channel
- Particle size
- Canopy closure
- Riparian vegetation
- Large woody debris





# Future Direction

- Policy decided not to pursue trends over time.
  - High costs would preclude other important CMER studies.
- Chose to explore the use of remote sensing and extensive vegetation monitoring.





# Questions?

