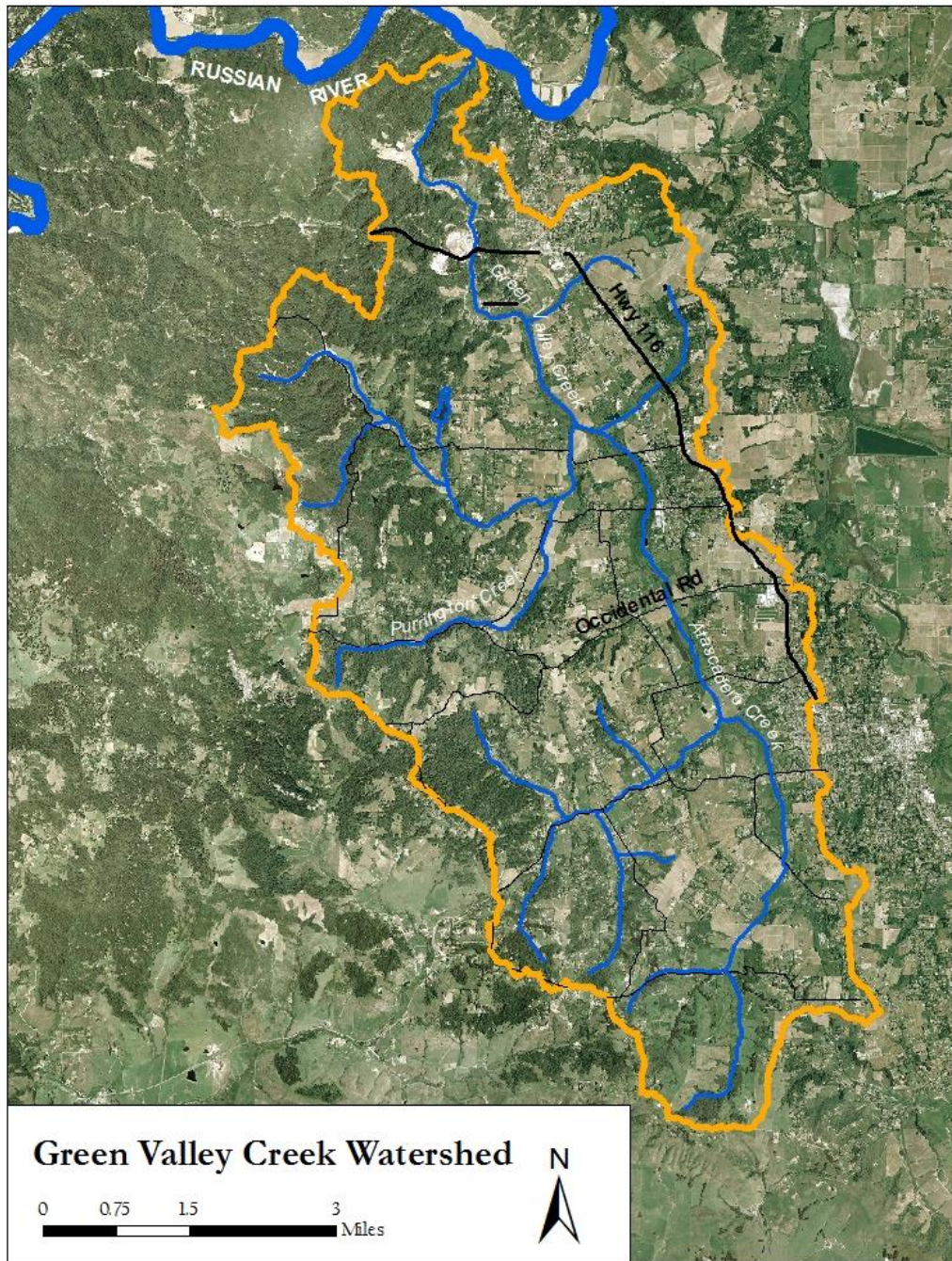


Translating restoration priorities into projects

John Green, Lead Scientist
Gold Ridge Resource Conservation District

www.goldridgercd.org

March 2016



GRRC water conservation projects



GRRCD water conservation projects

Multiple benefits



GRRCD water conservation projects

Multiple benefits

- Instream flow



GRRCD water conservation projects

Multiple benefits

- Instream flow
- Water supply security



GRRCD water conservation projects

Multiple benefits

- Instream flow
- Water supply security
- Flexibility



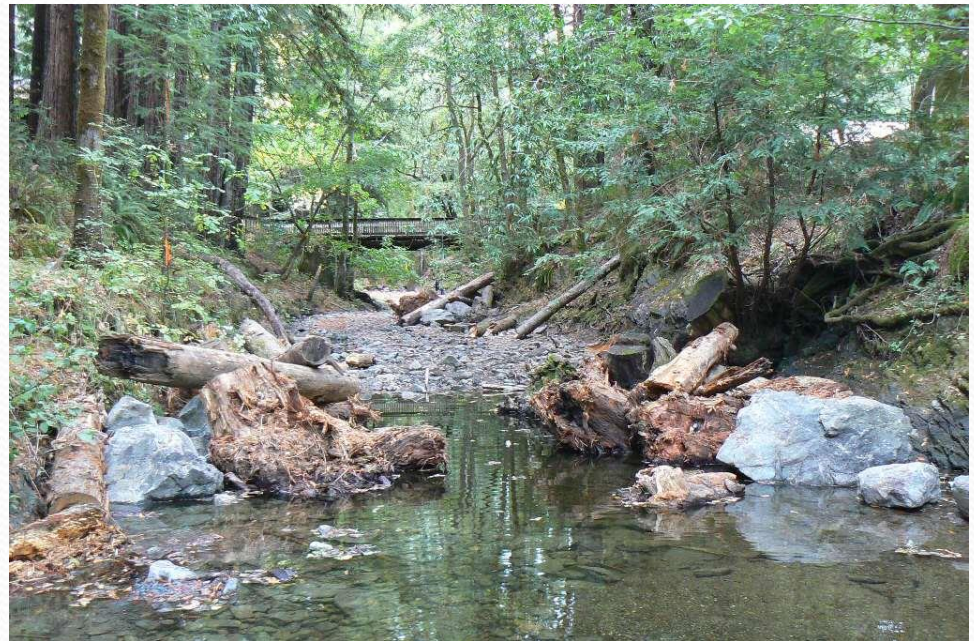
Coho restoration strategies



Coho restoration strategies

Instream habitat

- Channel complexity
- Habitat indicators



Coho restoration strategies

Instream habitat

- Channel complexity
- Habitat indicators

Access to habitat

- Fish passage barrier removal



Coho restoration strategies

Water quality

- Temperature
- Sediment



Coho restoration strategies

Water quality

- Temperature
- Sediment

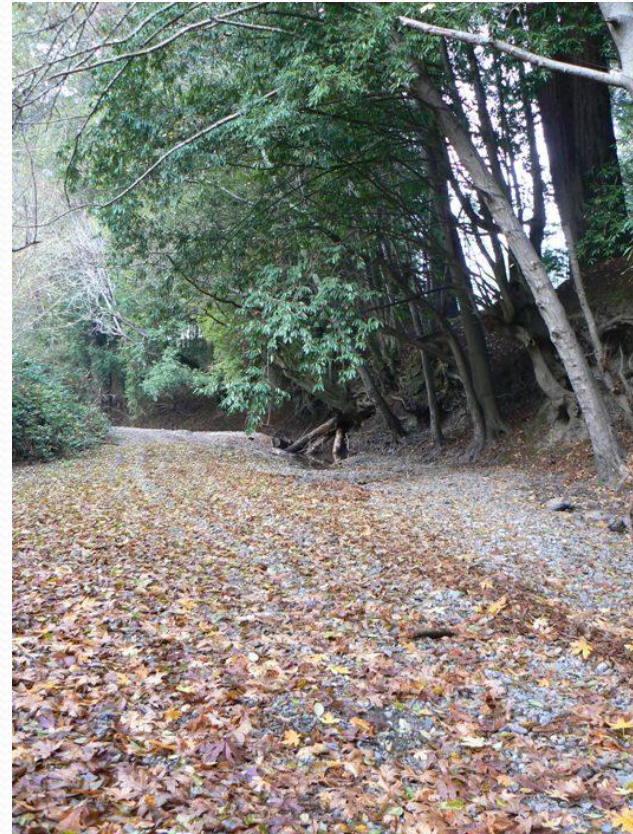
Population augmentation

- Captive broodstock

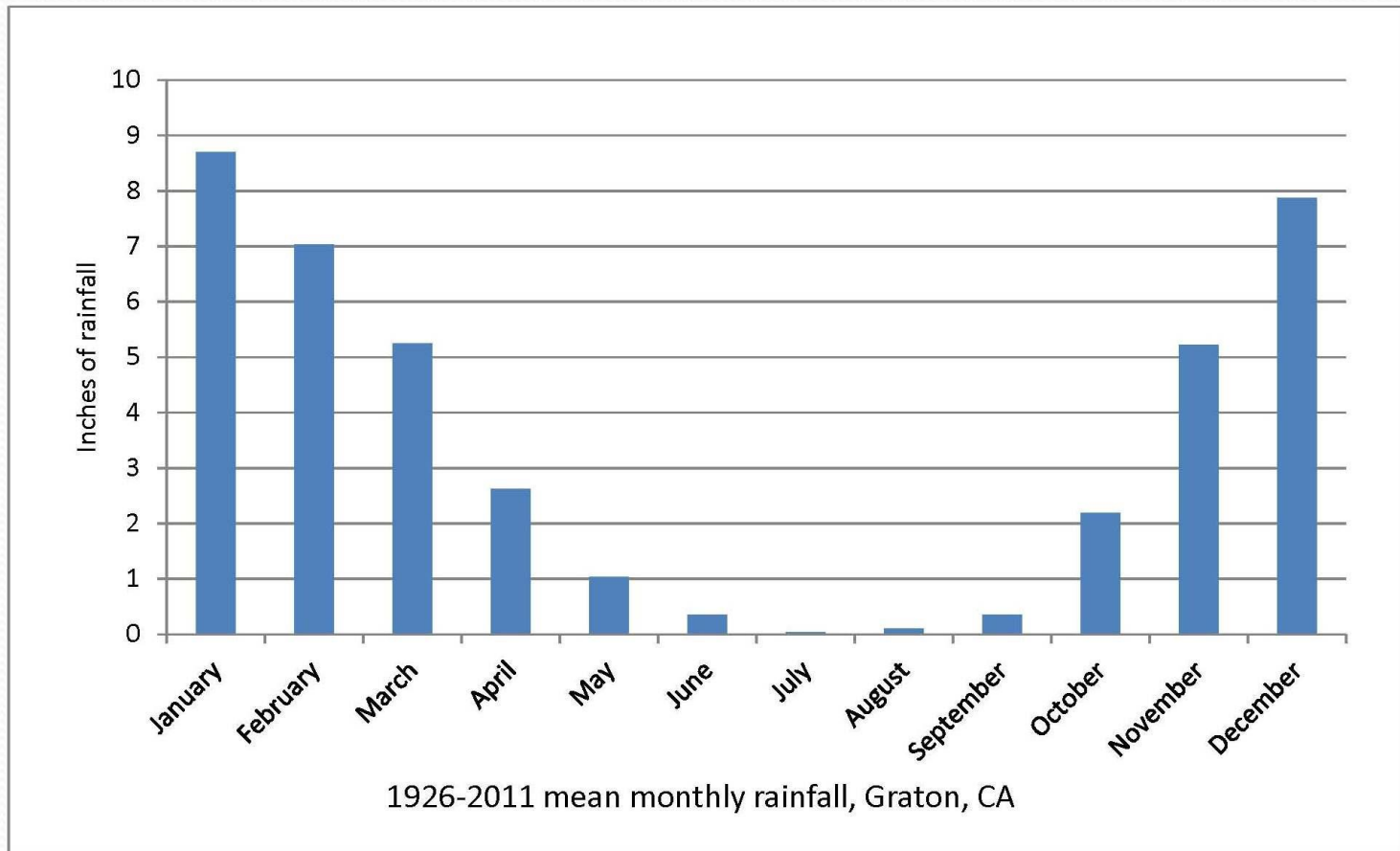


Coho restoration strategies

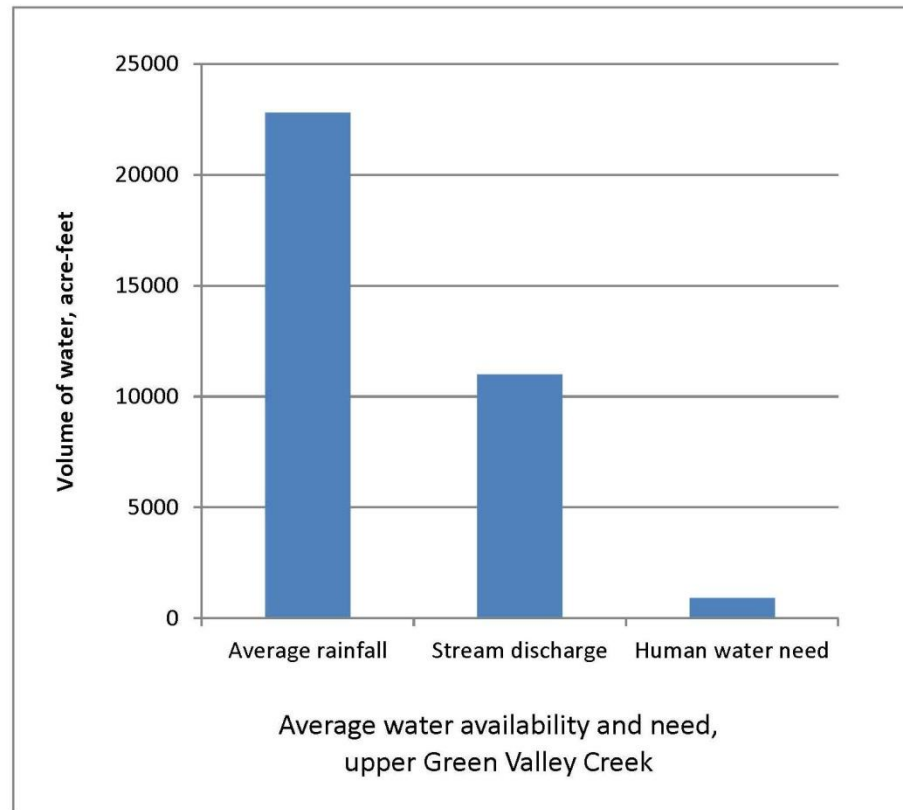
None of these efforts
will succeed if there is
no water in the stream.

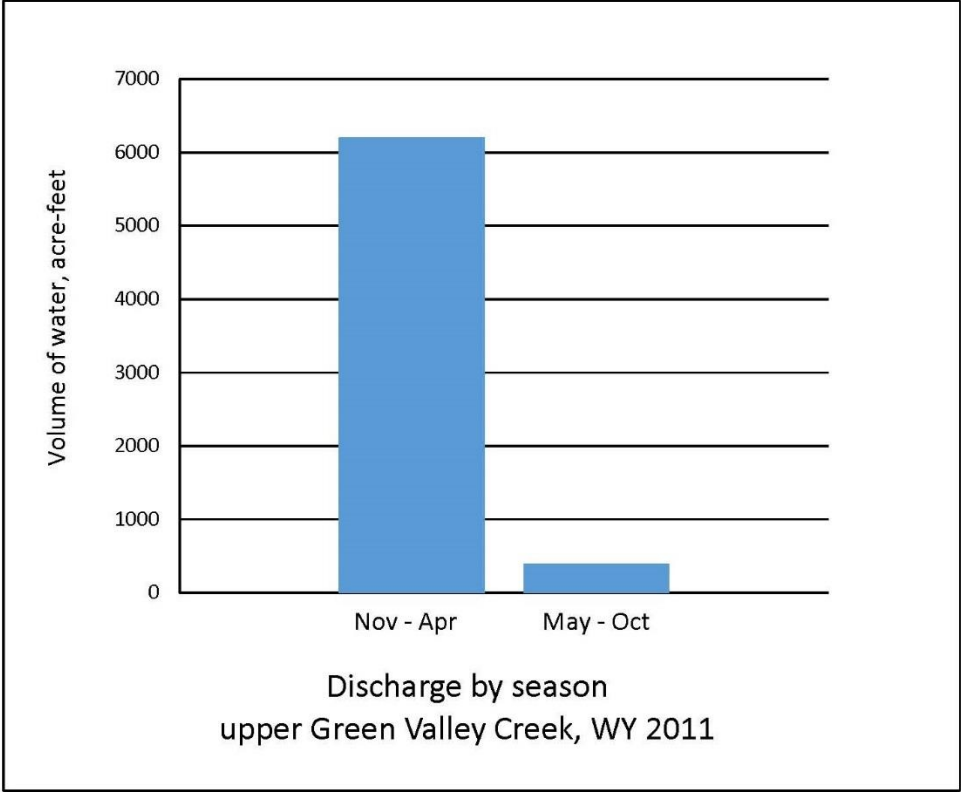


Northern California climate



Improving streamflow

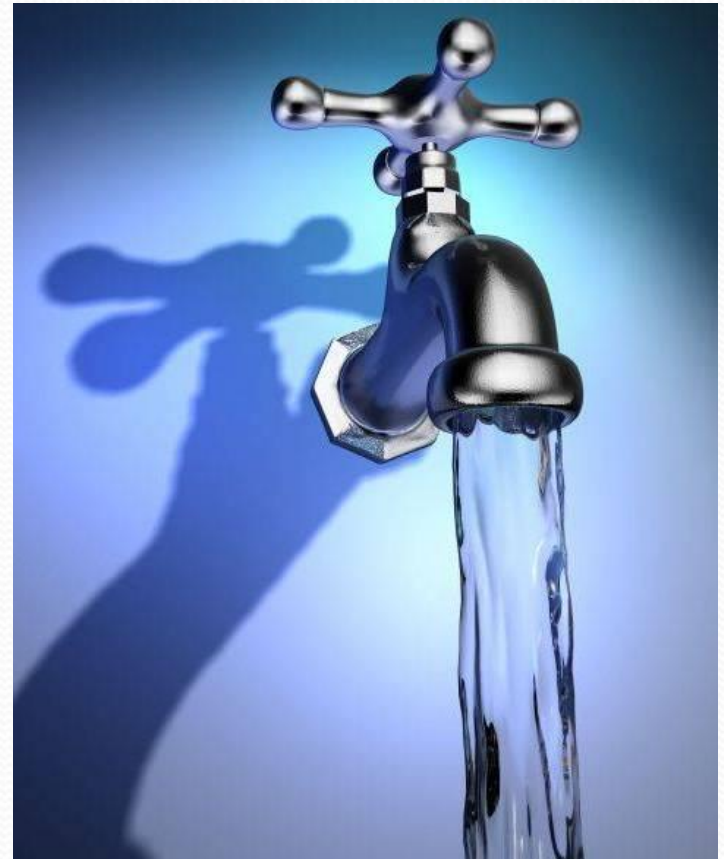




Coho restoration strategies

Streamflow improvement

- To date, efforts have mostly focused on our water use and water sources



Improving streamflow

- Water conservation



Improving streamflow

- Water conservation
- Alternative sources



Improving streamflow

- Water conservation
- Alternative sources
- Off-channel storage



Improving streamflow

- Water conservation
- Alternative sources
- Off-channel storage
- Water release from reservoirs and other sources



Improving streamflow

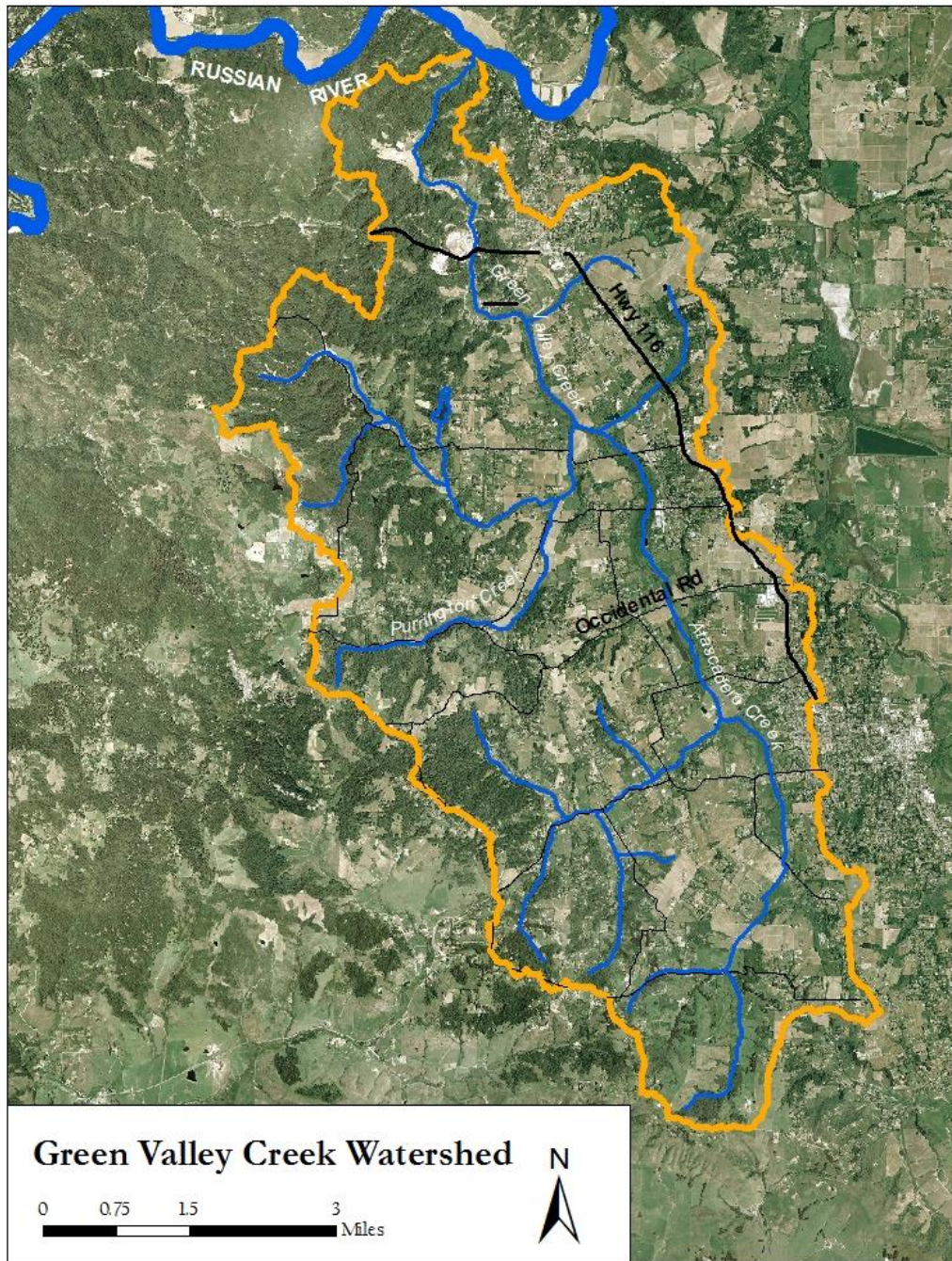
- Water conservation
- Alternative sources
- Off-channel storage
- Water release from reservoirs and other sources
- Groundwater projects

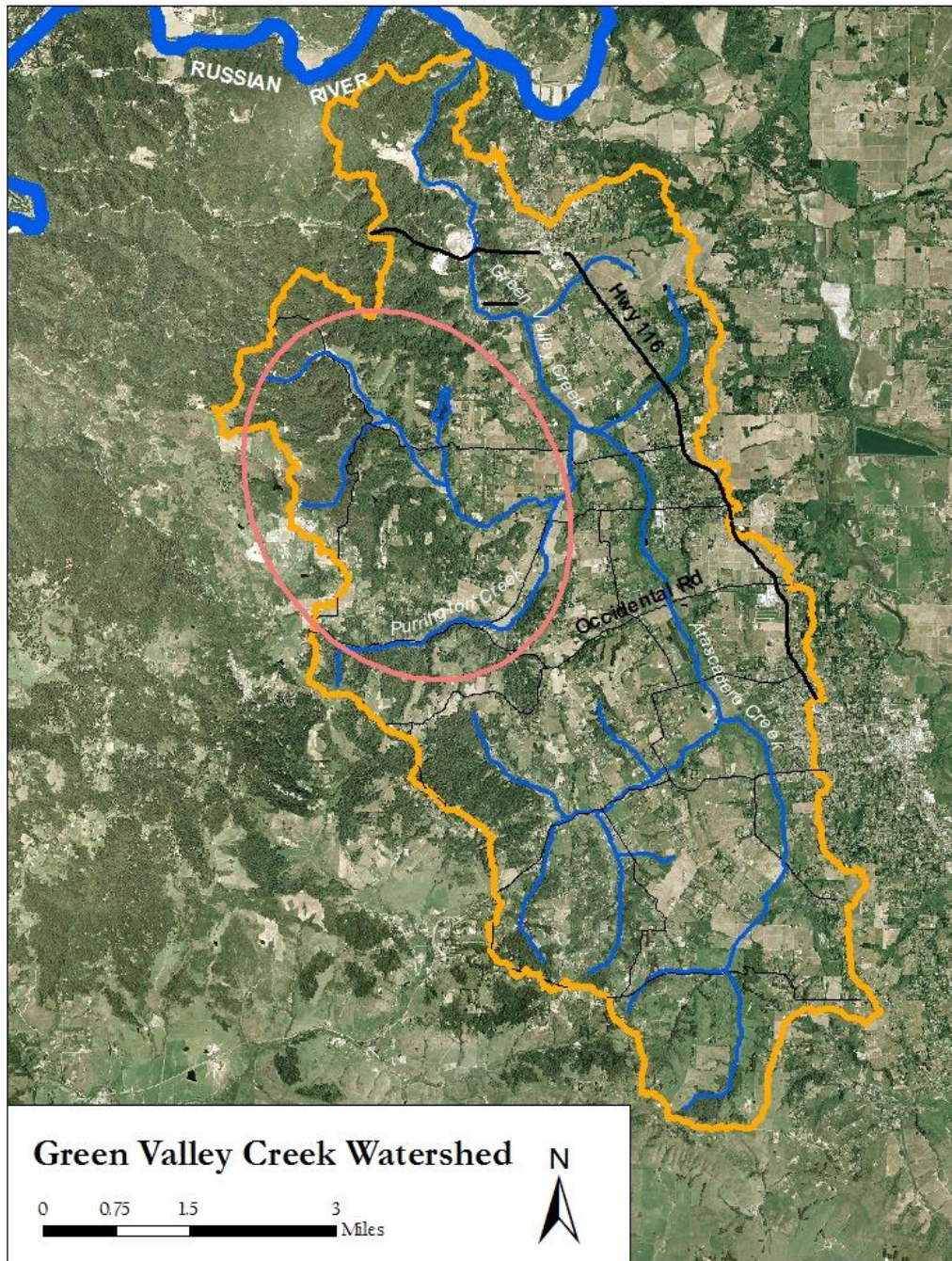


Improving streamflow

Efforts need to be targeted to reaches where they will make the most difference







Improving streamflow

Russian River Coho Partnership

- Assisting landowners in designing and building water conservation, storage, and alternative source projects.
- Direct diversions
- Near-stream wells



