

Open Forum: Salmon Habitat and Restoration Prioritization (SHaRP) Program



NOAA and CDFW requested this Open Forum to hear how implementation of the first SHaRP plan has been going, and ask Confabulators what sort of information, updates, and ongoing coordination with the professionals carrying out these plans would be helpful as plans are implemented.

Update on the status of SHaRP efforts across Northern California.

South Fork Eel River – The final plan was released 6/2/21

POCs Kaydee.Boozel@wildlife.ca.gov and Julie.Weeder@noaa.gov

– Focus areas: Bull Creek, Redwood Creek, Sproul Creek, Indian Creek, Standley Creek, Hollow Tree Creek, and SFER Headwaters. Implementation of treatments identified in this plan is underway. Two of today's tours showcased treatments:

- Anderson Creek Tour of Paired Road Decommissioning and Large Wood Loading Project with Tom Leroy (PWA)
- Upper SFER Coho Restoration Variety Hour with Anna Halligan (TU) and Isaac Mikus (ERWIG)

Lagunitas Creek – The final plan was released 8/16/22

POCs Vanessa.Gusman@wildlife.ca.gov and Erin.Seghesio@noaa.gov

– Focus areas: San Geronimo Creek and Olema Creek. Implementation will likely start in the summer of 2023.

Mendocino Coast – process underway

POCs Andrew.Hampton@wildlife.ca.gov and Erin.Seghesio@noaa.gov

– Focus areas: Ten Mile River, Noyo River, Big River, Navarro River, and the Garcia River. Team meetings for all focus areas but Navarro R. are complete, and final drafts of treatment maps completed. The Navarro River SHaRP team will meet in mid-November 2022.

Russian River – process underway

POCs Mary.Olswang@wildlife.ca.gov and Erin.Seghesio@noaa.gov

– Focus areas: Dutch Bill Creek, Willow Creek, Green Valley Creek, and Mill Creek. Team meetings are complete, and treatments maps are under review, for all but Mill Creek. The Mill Creek SHaRP team will meet on November 8 and 9, 2022.

Lower Eel River and mainstem South Fork Eel River – process underway

POCs Kaydee.Boozel@wildlife.ca.gov and Julie.Weeder@noaa.gov

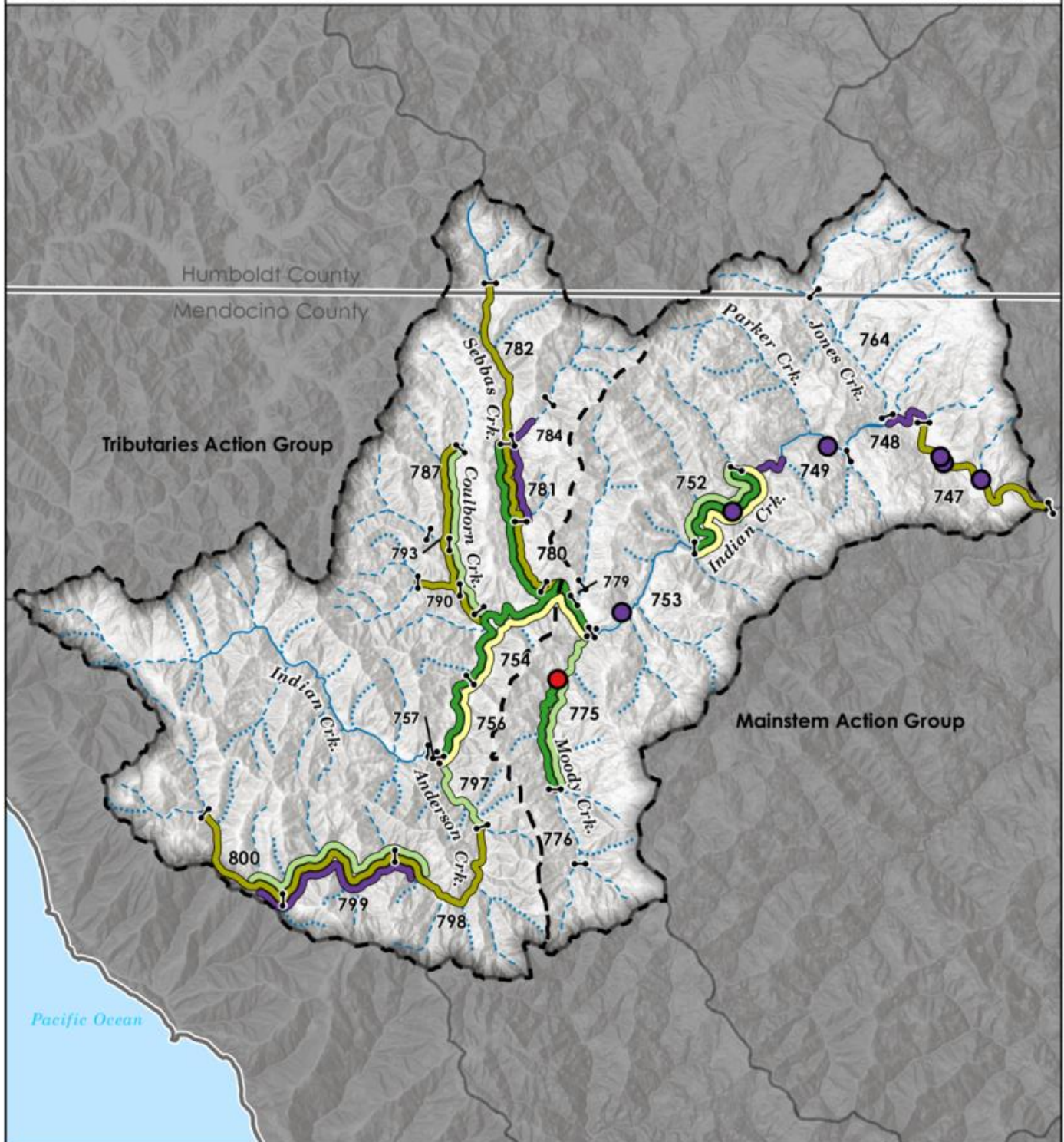
– Tribal nations will soon be invited to participate in this SHaRP. The Steering Team for the Lower Eel River SHaRP is expected to begin meeting regularly in late 2022.

For more information about SHaRP or to download completed SHaRP plans please visit the NOAA's SHaRP website at: <https://www.fisheries.noaa.gov/west-coast/habitat-conservation/collaborating-identify-salmon-habitat-restoration-priorities>

Salmon Habitat Restoration Priority (SHaRP) Sub-Watersheds

Restoration Treatment Actions

Indian Creek



- Action groups*
- Survey reach nodes

Watercourses

- ~ Perennial
- - - Intermittent
- ... Ephemeral

Restoration treatment actions

- ~ Large wood for summer rearing
- ~ Large wood for gravel storage
- ~ In-channel winter habitat
- ~ Off-channel winter habitat
- ~ Riparian
- Natural barrier

Sub-Watersheds

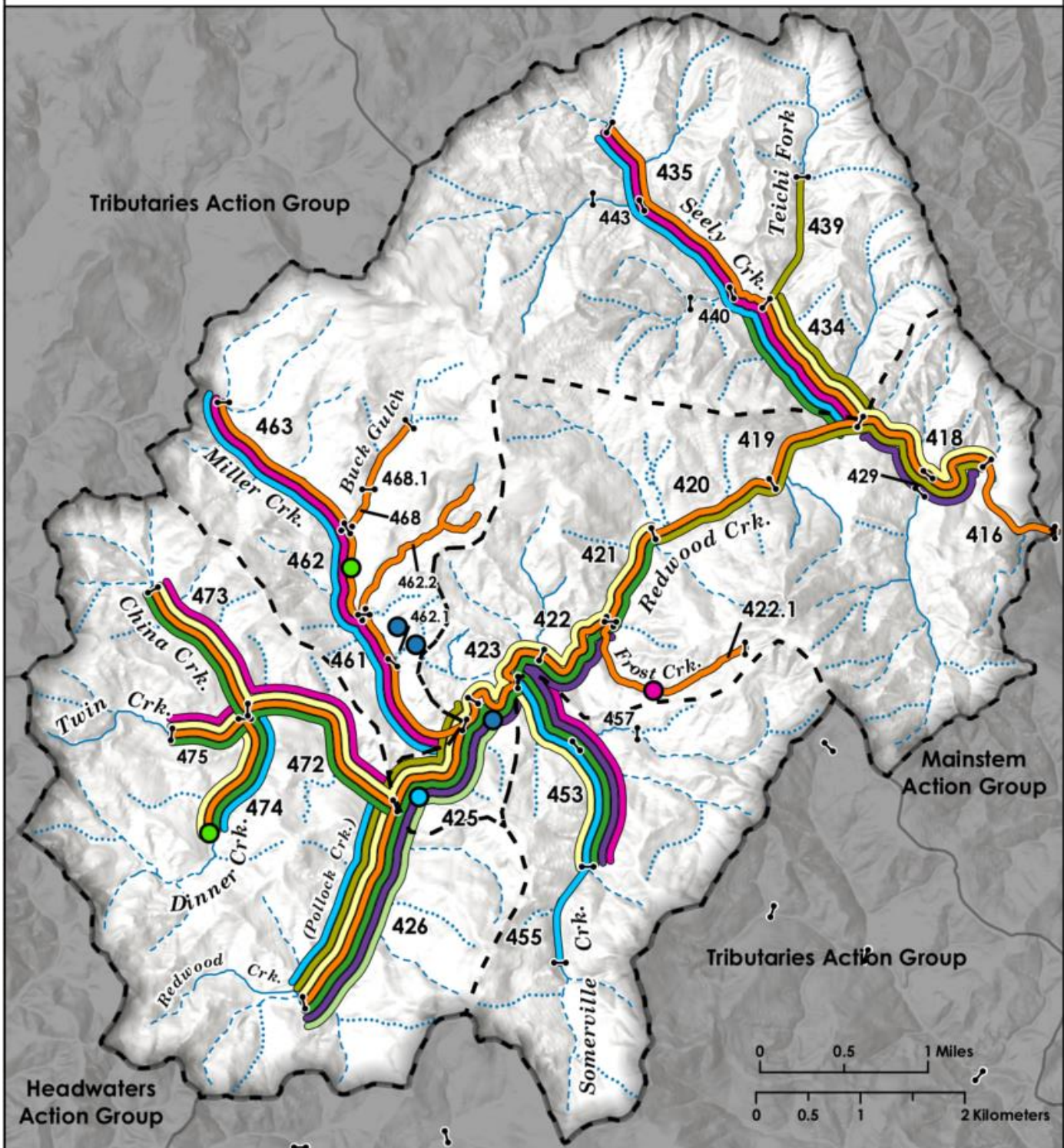


* Sub-watershed is divided into groups to facilitate discussion during the action meeting. Prepared by: CPeters, CDFW Date: 20220831
 File: WR12UAS24182X\GIS\projects\SHaRP_maps\indian\SHaRP_indian_crk_maps.aprx Data Sources: Treatment actions are based on data analysis and expert opinion from federal and state agencies, NGOs, and private landowners (2019); Reaches: CDFW Coastal Monitoring Program (2016); Watercourse and watershed: NHD, USGS; Terrain: ESRI terrain multi-directional hillshade map service.

Salmon Habitat Restoration Priority (SHaRP) Sub-Watersheds

Restoration Treatment Actions

Redwood Creek



- Action groups***
- Survey reach nodes
- Watercourses**
- Perennial
 - Intermittent
 - Ephemeral

Restoration treatment actions

- Flow enhancement
- BDA
- Large wood for summer rearing
- Large wood for gravel storage
- In-channel winter habitat
- Off-channel winter habitat
- Riparian
- Water use management, education, and outreach
- Sediment reduction
- Investigate for summer flows and flow enhancement opportunities

Sub-Watersheds

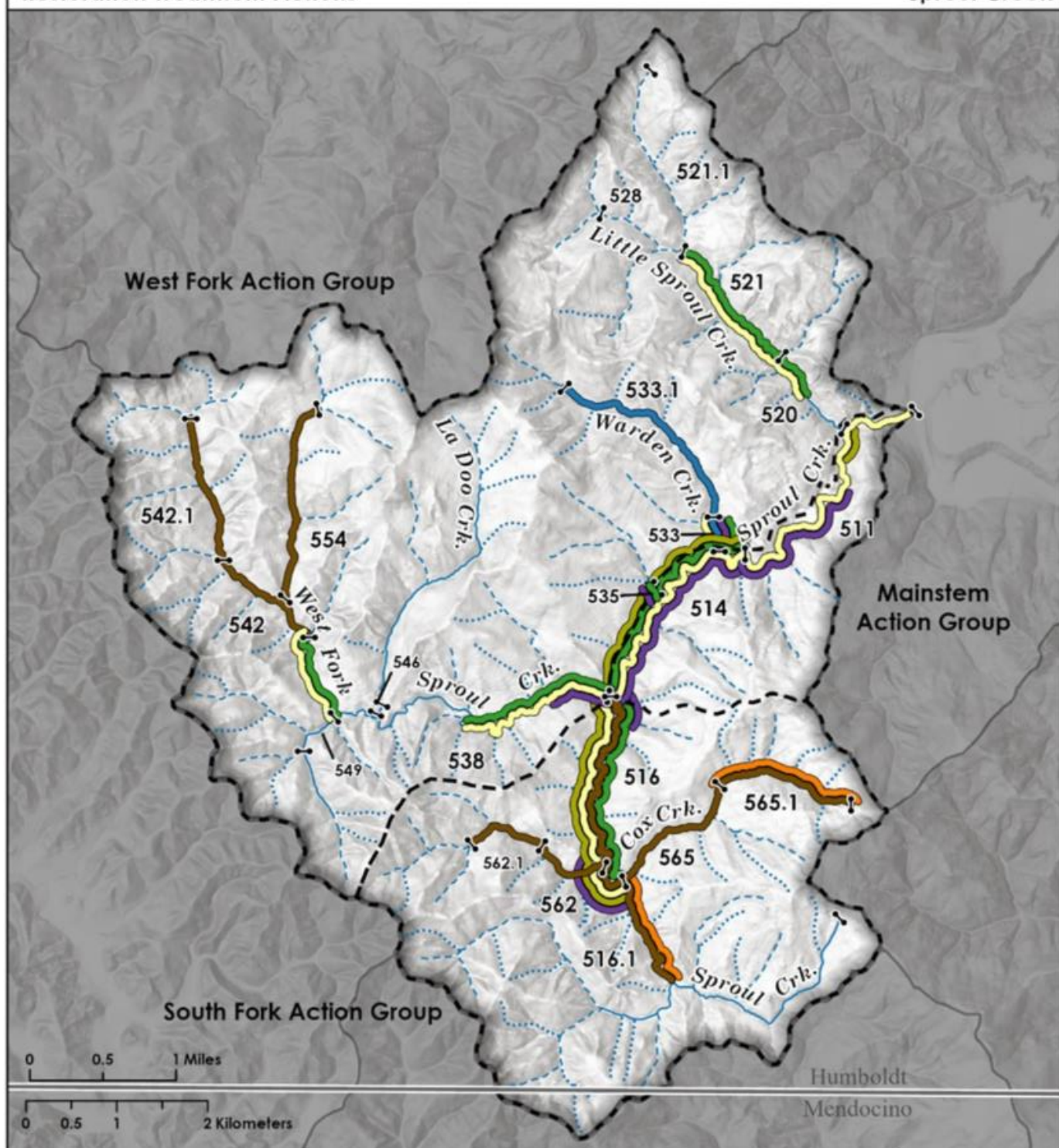


NOTE: Treatment lines have been generalized for better map clarity. * Sub-watershed is divided into groups to facilitate discussion during the action meeting. Prepared by: CPeters, CDFW Date: 20220831 Data Sources: Restoration actions are based on data analysis and expert opinion from government agencies, NGOs, and landowners (2019); Reaches: CDFW Coastal Monitoring Program (2016); Watercourse and watershed: NHD, USGS; Terrain: ESRI terrain multi-directional hillshade map service. File: D:\GIS\projects\SHaRP_maps\redwood\redwood_maps.aprx

Salmon Habitat Restoration Priority (SHaRP) Sub-Watersheds

Restoration Treatment Actions

Sproul Creek



- Action groups*
- Survey reach nodes

Watercourses

- Perennial
- - - Intermittent
- ... Ephemeral

Restoration treatment actions

- Large wood for summer rearing
- In-channel winter habitat
- Off-channel winter habitat
- Riparian
- Water use management, education, and outreach
- Upslope hazard assessment
- Flow enhancement

Sub-Watersheds

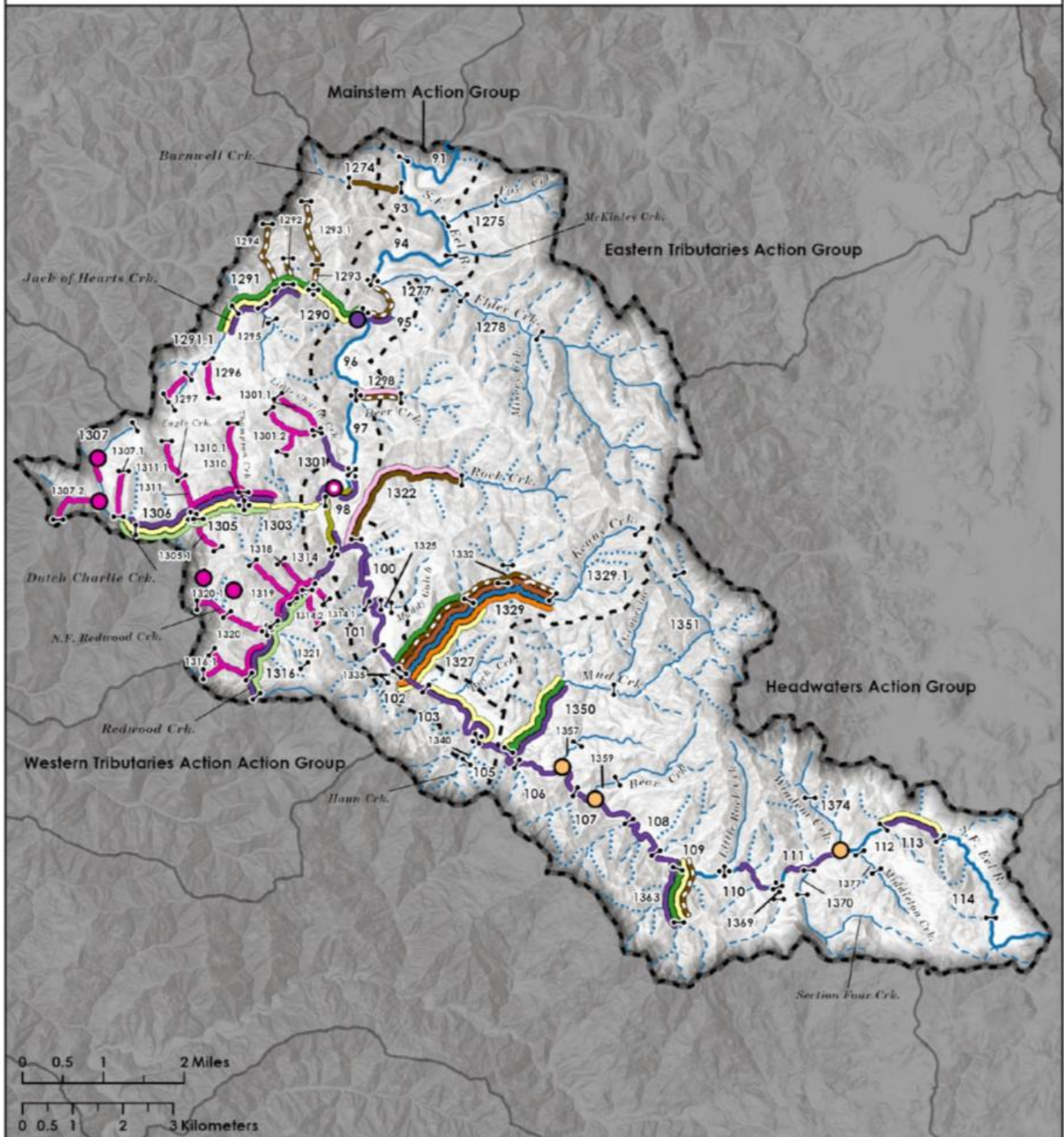


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Salmon Habitat Restoration Priority (SHaRP) Sub-Watersheds

Restoration Treatment Actions

S.F. Eel River Headwaters



- Action groups*
- Survey Reach Nodes
- Watercourses**
- Perennial
- - - Intermittent
- ... Ephemeral

- Action treatments**
- Anthropogenic barrier
- Mainstem connectivity assessment
- ~ LWD for summer rearing
- ~ LWD for gravel storage
- ~ In-channel winter habitat
- Off-channel winter habitat
- ~ Riparian

- ~ Water use management, education, and outreach
- ~ Upslope hazard assessment
- ~ Road network assessment
- Sediment reduction
- ~ Investigate for summer flows and flow enhancement opportunities
- ~ Habitat assessment

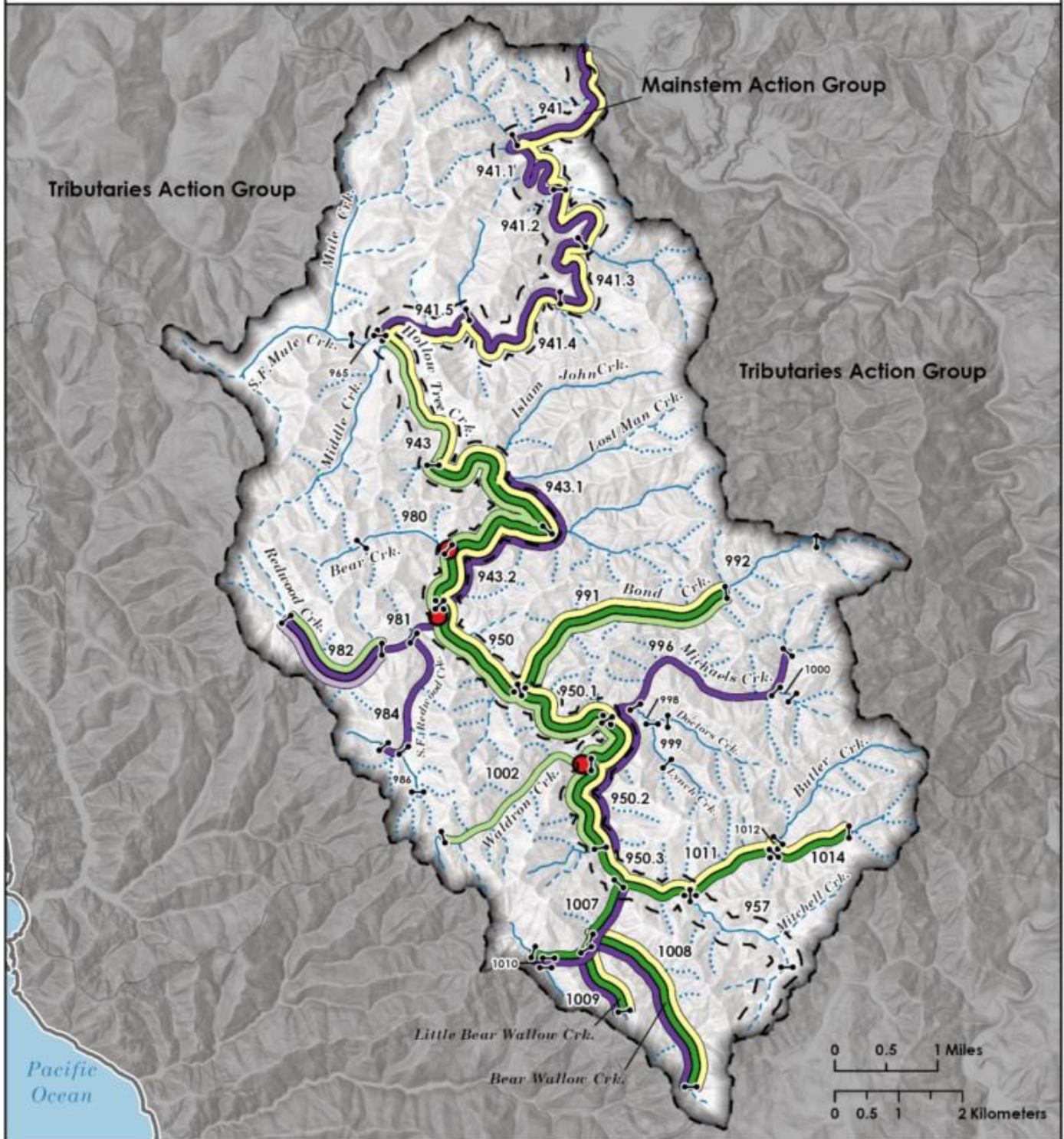


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Salmon Habitat Restoration Priority (SHaRP) Sub-Watersheds

Restoration Treatment Actions

Hollow Tree Creek



- Action Groups*
- Survey reach nodes

Watercourses

- Perennial
- - - Intermittent
- ... Ephemeral

Restoration treatment actions

- Natural barrier
- Large wood for summer rearing
- Large wood for gravel storage
- In-channel winter habitat
- Off-channel winter habitat
- Gravel augmentation

Sub-Watersheds

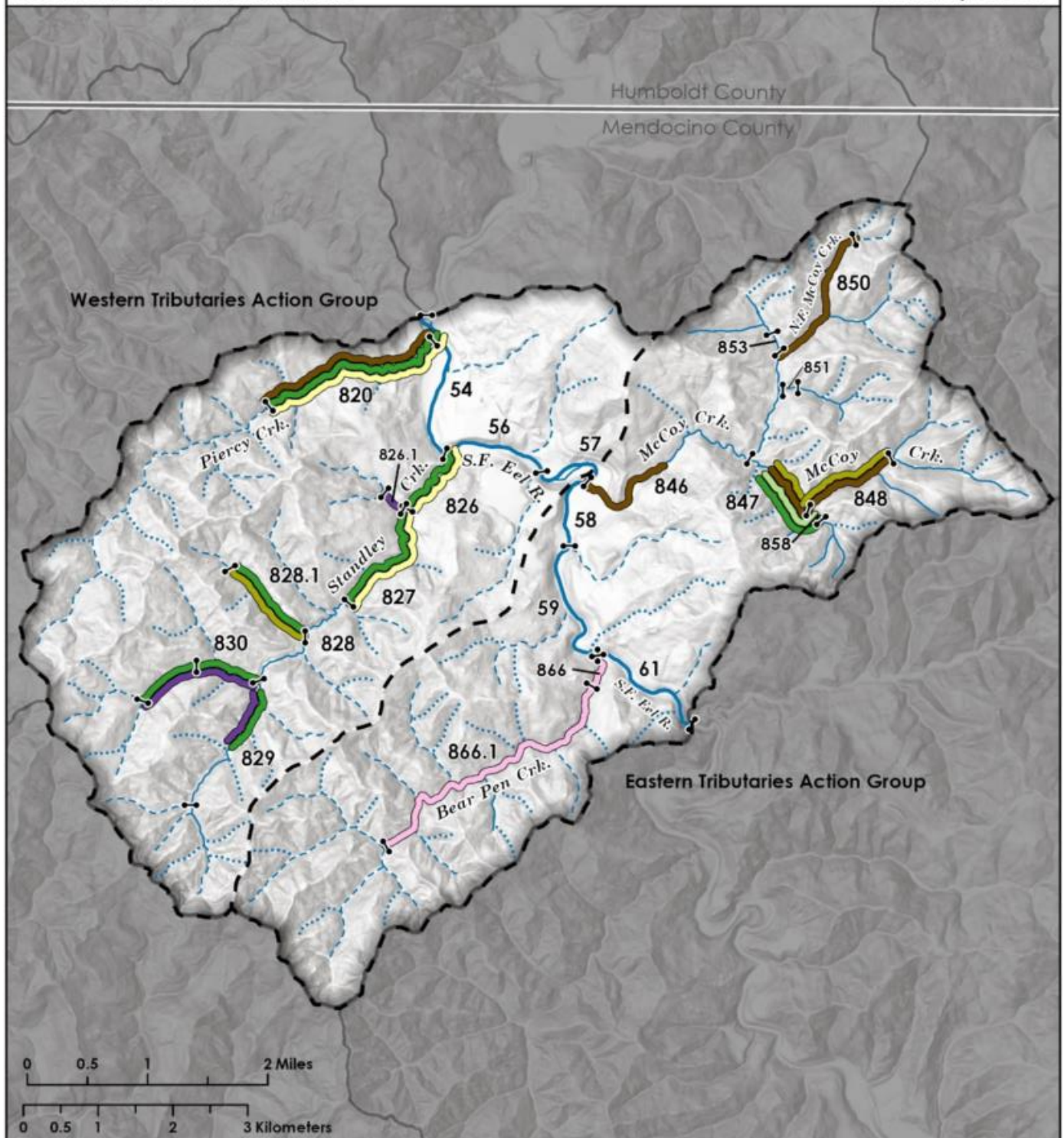


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Salmon Habitat Restoration Priority (SHaRP) Sub-Watersheds

Restoration Treatment Actions

Standley Creek



- Action groups*
- Survey reach nodes

Watercourses

- Perennial
- - - Intermittent
- ... Ephemeral

Restoration treatment actions

- Large wood for summer rearing
- Large wood for gravel storage
- In-channel winter habitat
- Off-channel winter habitat
- Riparian
- Upslope hazard assessment
- Habitat assessment

Sub-Watersheds

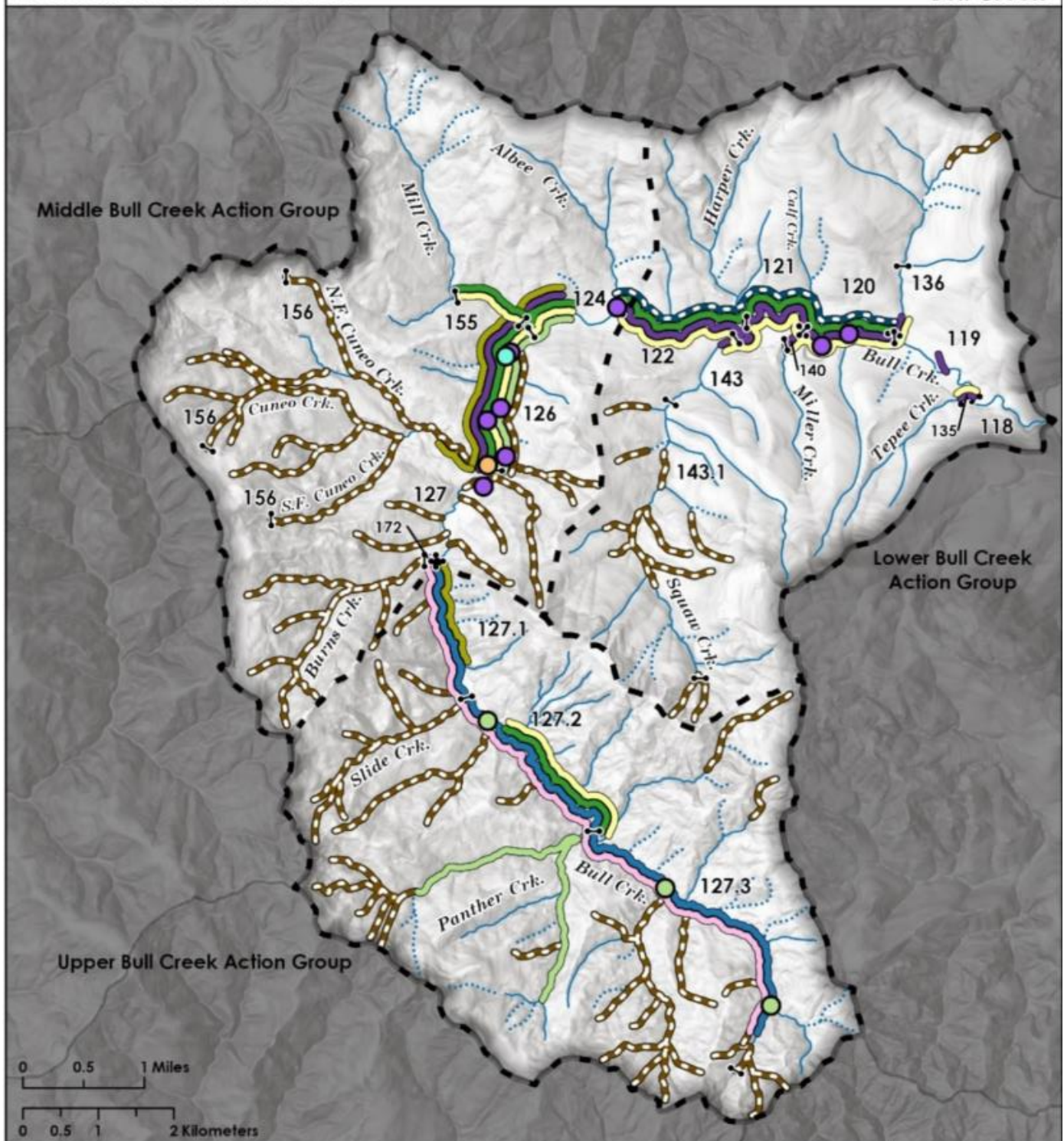


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Salmon Habitat Restoration Priority (SHaRP) Sub-Watersheds

Restoration Treatment Actions

Bull Creek



— Action groups*
 • Survey reach nodes

Watercourses

— Perennial
 - - Intermittent
 ... Ephemeral

Restoration treatment actions

• Anthropogenic barrier
 • Bridge upgrade
 • Large wood for summer rearing
 • Large wood for gravel storage
 • In-channel winter habitat
 • Off-channel winter habitat
 • Riparian
 • Road network assessment

• Flow enhancement
 • Rip rap alteration
 • Habitat assessment

Sub-Watersheds



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