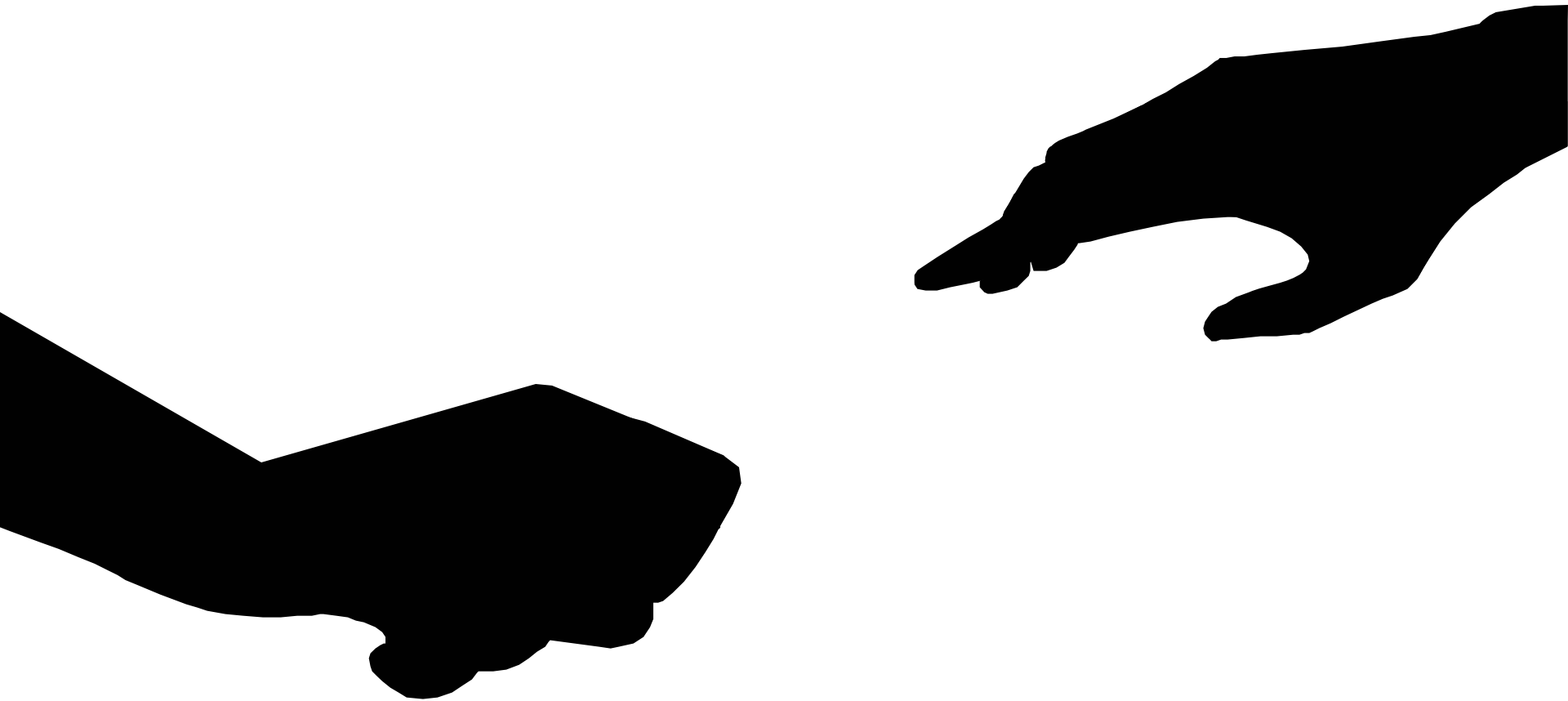


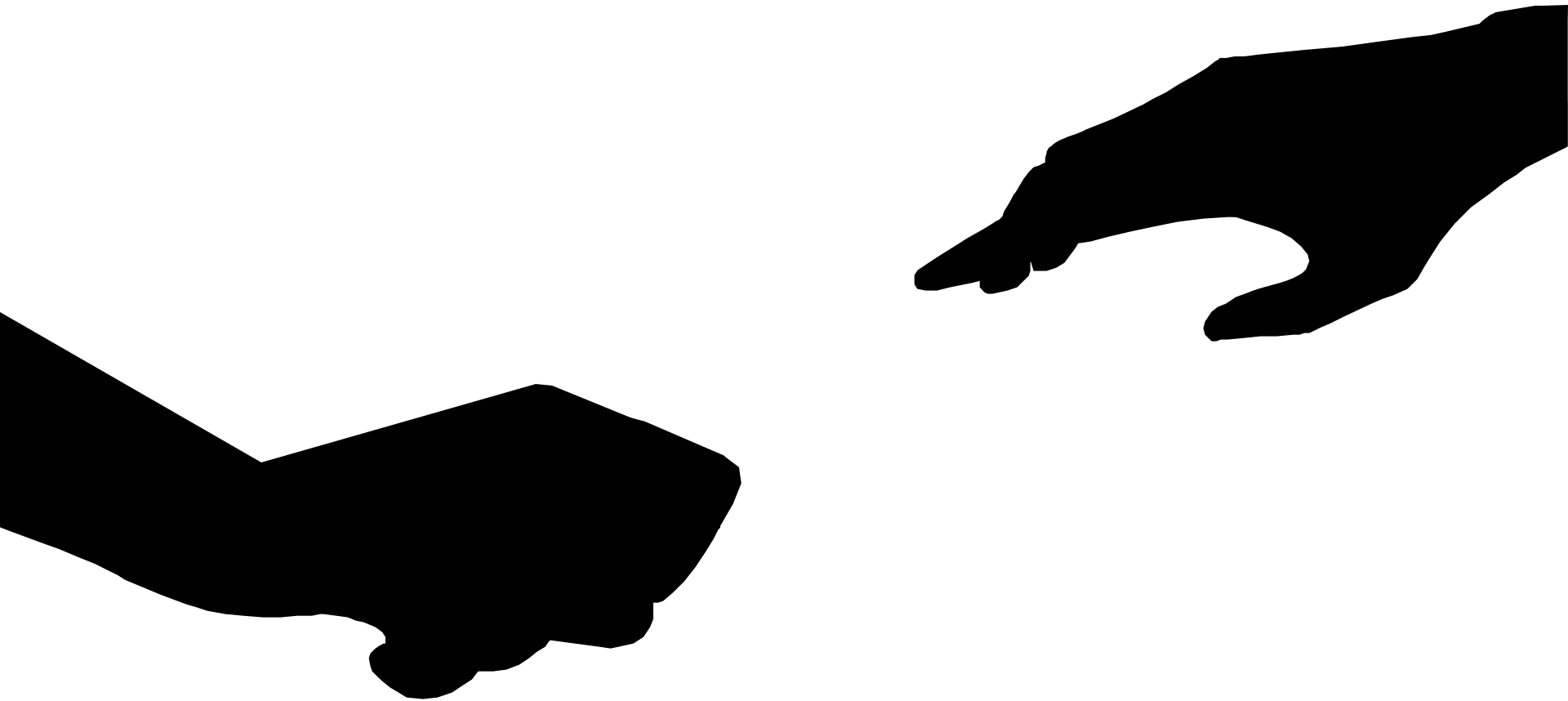
Monitoring and Evaluation

Topanga Creek Southern Steelhead Monitoring

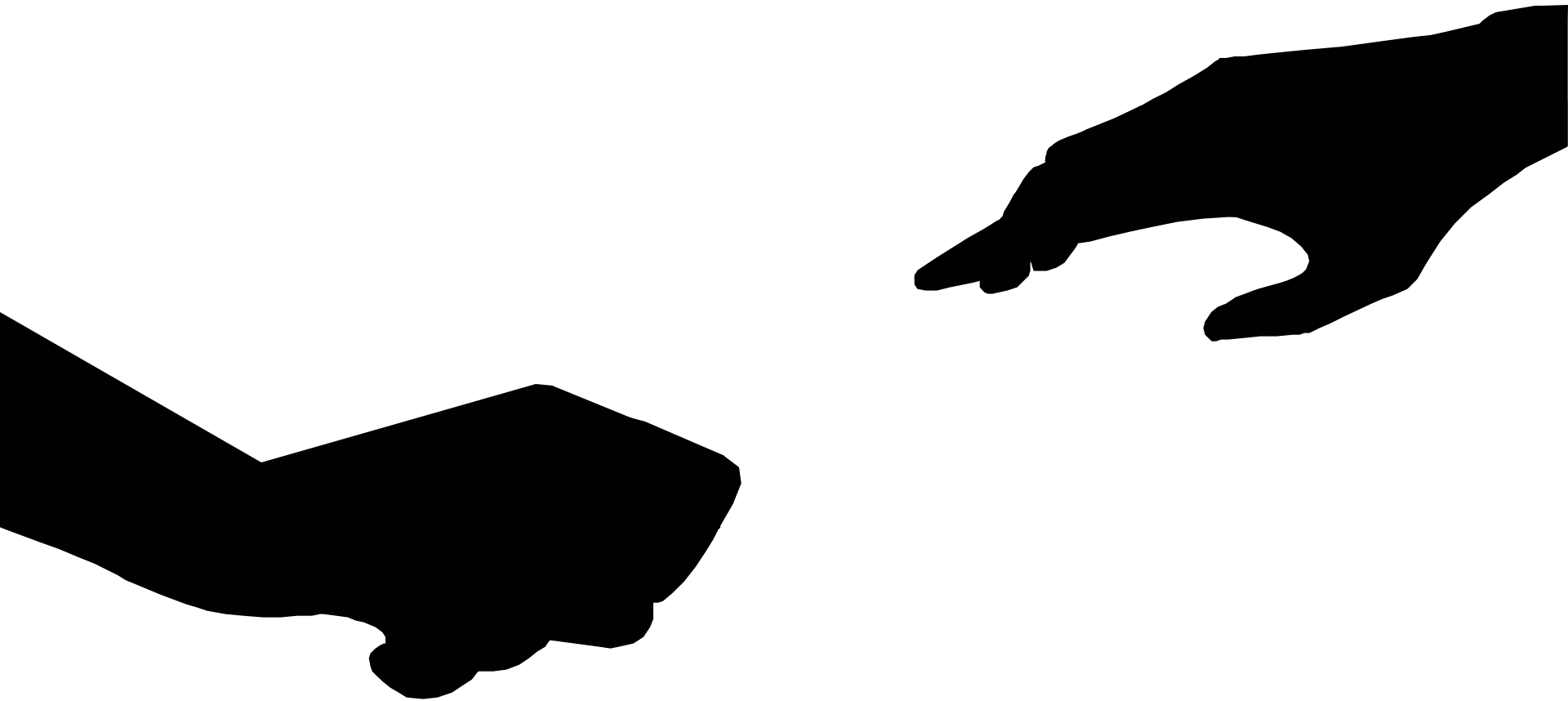
Arroyo Trabuco Creek fish passage



San Mateo Creek

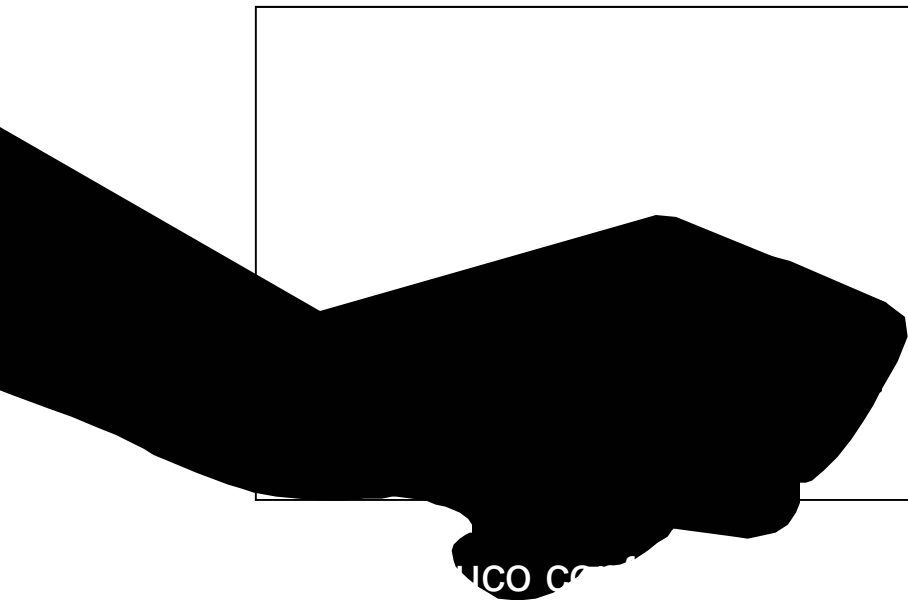


San Luis Rey River fish passage

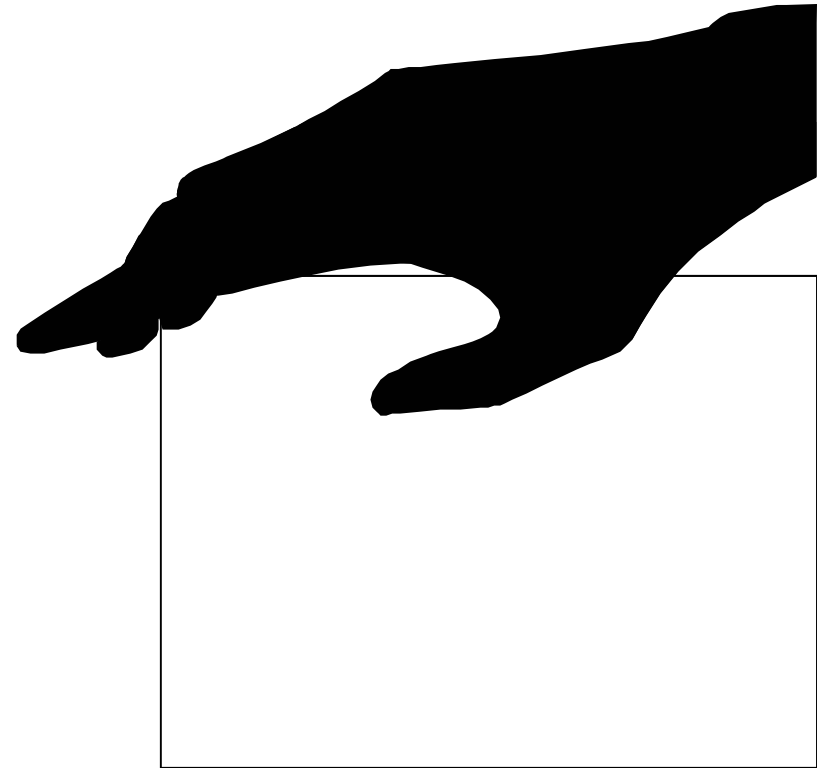


Reasons For Decline

- Agriculture, Mining, and Urban Development
- Migration barriers
- Trabuco Creek at I-5 (July 2003)
- Degraded stream habitat
- Decreased stream flow (withdrawals)
- Degraded water quality



Trabuco Cr at I-5 (July 2003)



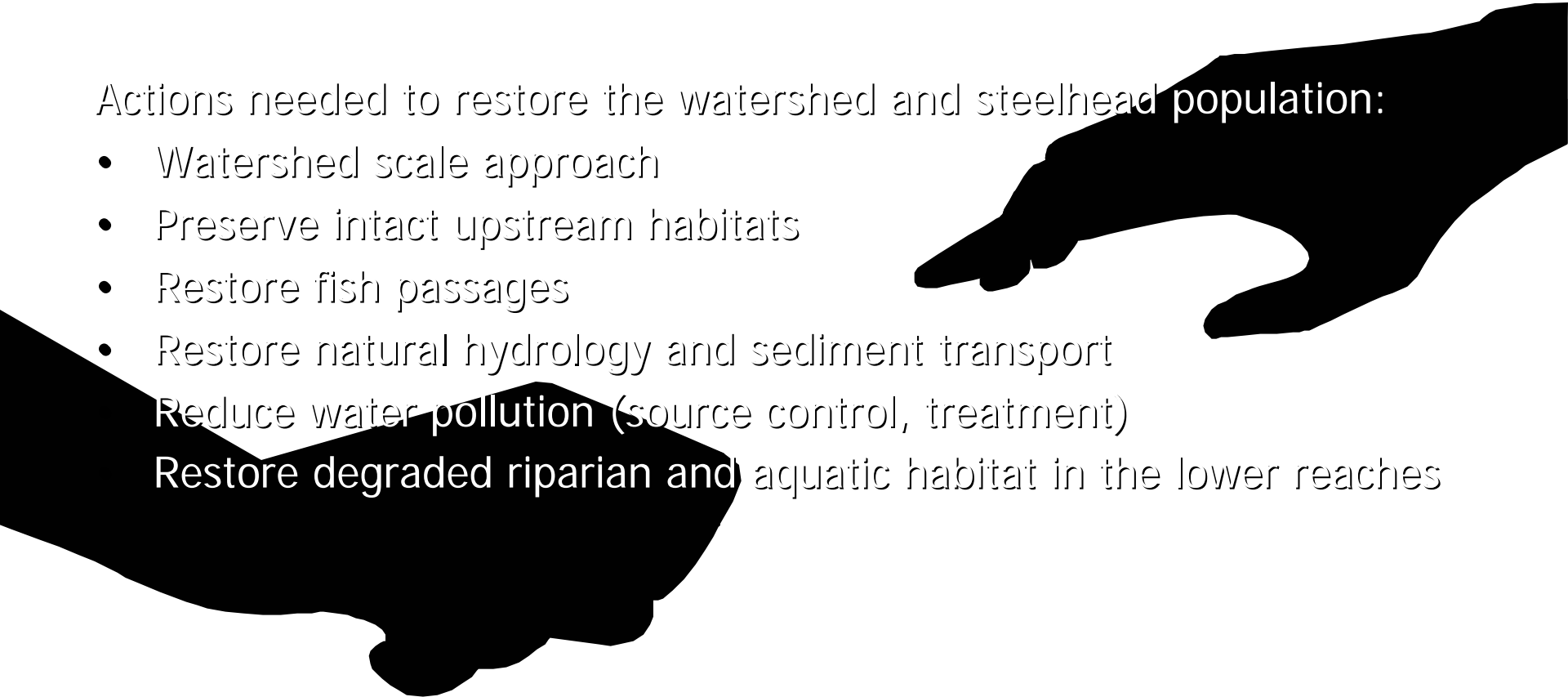
Trabuco Cr at I-5 (July 2003)

Watershed/Steelhead Recovery

Goal: Preserve, protect, and restore the natural habitat and water quality of the ecosystems for the benefit of steelhead trout and other native species, and public uses including water supply, flood control, recreation, and aesthetics.

Actions needed to restore the watershed and steelhead population:

- Watershed scale approach
 - Preserve intact upstream habitats
 - Restore fish passages
 - Restore natural hydrology and sediment transport
- Reduce water pollution (source control, treatment)
- Restore degraded riparian and aquatic habitat in the lower reaches



How do we accomplish this?

- Best accomplished through a “watershed coalition” composed of the “stakeholders”.

- Steps:

Build public support for watershed restoration

1. Stream Signage Program
2. TU’s “First Cast” Program
3. TU’s “Embrace- A- Stream” Program
4. Public Education, Awareness, and Outreach

Conduct watershed assessment and restoration plans

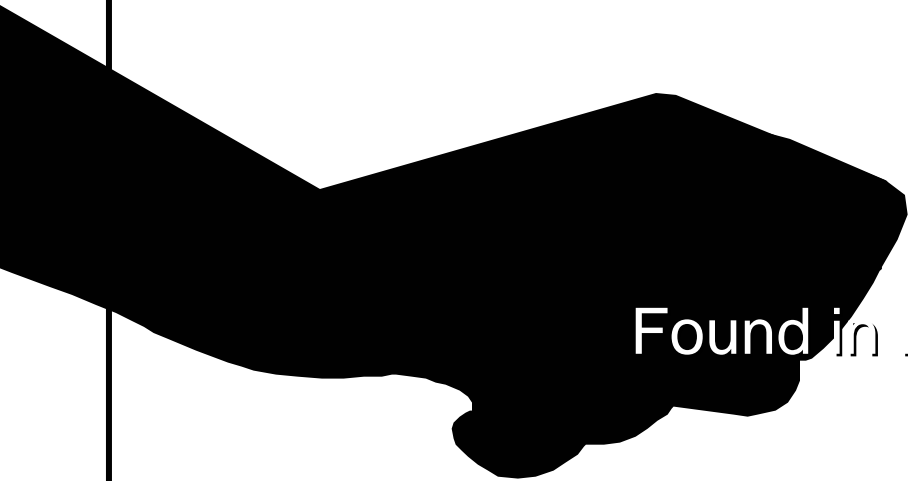
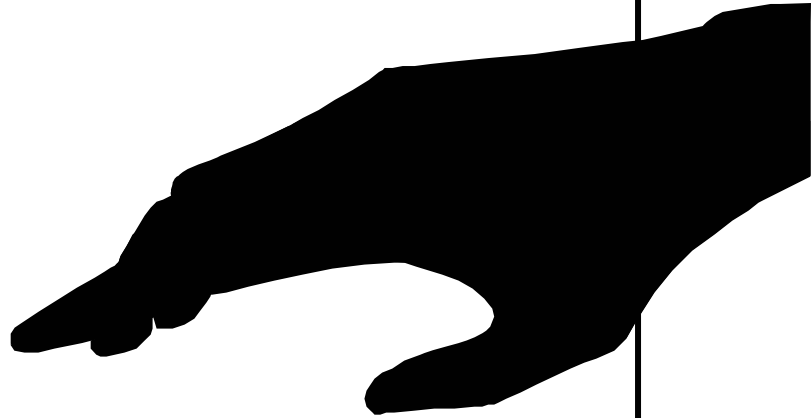
1. Barrier Surveys
2. Water Quality Monitoring

Funding and Implementation of restoration projects

1. Completion of San Mateo Creek Long-Range Plan
2. Develop monitoring program

Minimize impacts from new development

San Mateo Southern Steelhead



Found in Devil's Canyon Nov., 2003

Thank You for Caring

The Southern Steelhead thank you for
saving their homes and their
neighborhoods.

Our children and grandchildren thank
you for saving their water.

Remember, we all live down-stream!