

The SNAMP Fisher Study: Indicators for Fisher Management



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Update/New Information from the SNAMP Fisher Project:

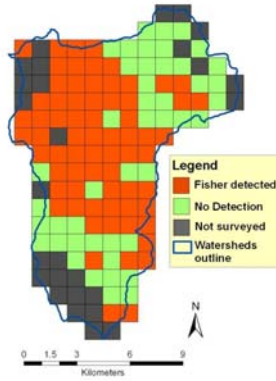
- ❖ We've defined several "Indicators for Fisher Management" within our study area
- ❖ Data on these parameters to be reported annually during Fisher IT meetings hosted by SNAMP Public Participation (*typically in July*)

1. Occupancy in key watersheds
2. Adult female survival rate
3. Population size in key watersheds



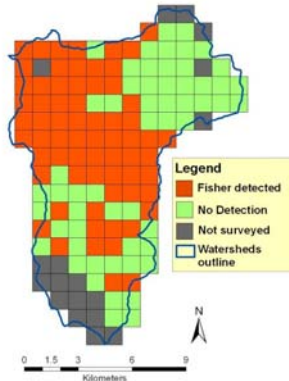
New Findings: Occupancy Surveys in Key Watersheds

Key Watersheds Occupancy Survey
Project Year 2007_08



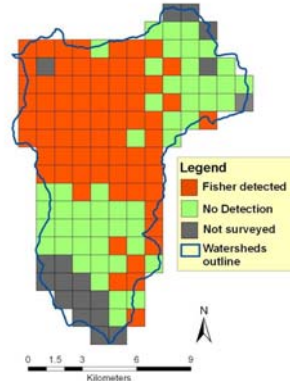
Number grids surveyed: 114
Grids with fisher activity: 69
% surveyed with fishers: 61%

Key Watersheds Occupancy Survey
Project Year 2008_09



Fisher Active Grids: 123
Grids with fisher activity: 67
% surveyed with fishers: 54%

Key Watersheds Occupancy Survey
Project Year 2009_10



Fisher Active Grids: 123
Grids with fisher activity: 71
% surveyed with fishers: 58%

Pre-treatment data are in place; waiting for treatments to occur

Management Indicators: *Reproduction/Fecundity/Survival*

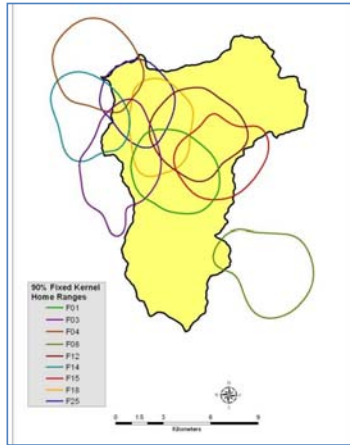
- ❖ Ad female mean reproduction 1st three years: 86%
- ❖ Ad female mean fecundity 1st three years: 1.6 kits/year
- ❖ Overall survival = 66.4%, varies by sex, age, lower in SNAMP study than Kings River (73.9%)
- ❖ Overall Ad female survival: 83.6% (Kings River 77.6%)

NOTE: Data are *preliminary*, and we have yet to update/finalize survival analyses for population year 3 (data reported are through January 2010).

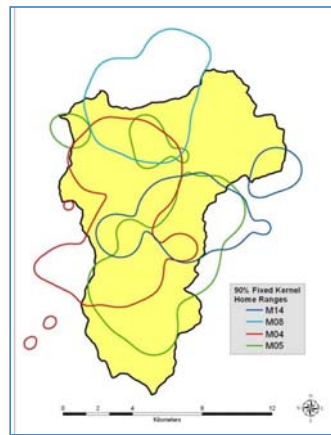


REVIEW: Numbers of Fishers Using Key Watersheds during Population Year 2 (01 Apr 08 – 31 Mar 09)

90% fixed kernels – 5.7 females



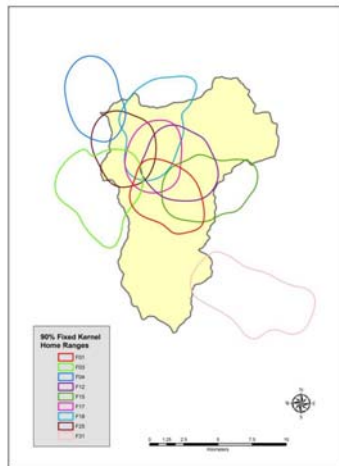
90% fixed kernels – 2.8 males



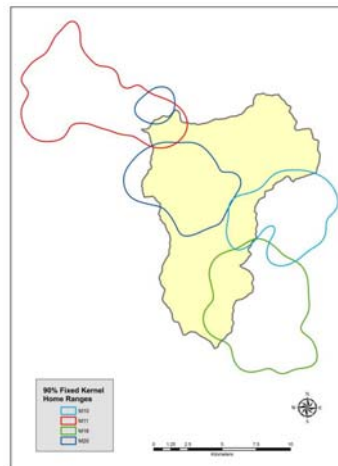
Population Year 2: 8.5 adults using Key Watersheds Area

New Findings: Numbers of Fishers Using Key Watersheds during Population Year 3 (01 Apr 09 – 31 Mar 10)

90% fixed kernels – 5.7 females



90% fixed kernels – 1.4 males



**Population Year 3: 7.1 adults using Key Watersheds Area:
no change for adult females, minimal change for males (*M08)**

SNAMP Fisher Study: Acknowledgments

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MOU Partners & Agencies: US Fish and Wildlife Service, California Dept of Fish & Game, Yosemite National Park



SNAMP Fisher Crew & Volunteers: Joe Bridges, Brady Neiles, Carrie O'Brien, Rebekah Jensen, Taylor Gorman, Jason Massarone, Wendy Mitchell, Wendy Sicard, Thomas Thein, Geoff and Lindsay Cline, Jeff Schneiderman, Jana Ashling, Caroline Jablonicky, Sarah Bassing, Adrianna Beaudette, Shelly Vogel, Mark Ratchford, Rob Wise, Zac Eads, Thomas Day, Kyle Wagner, Jenny Ruthven

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