

Table 1. Summary of fisher den trees within SNAMP Fisher Study Area. Current April 27, 2012. Data are preliminary/subject to revision.

Year	Natal dens	Maternal dens	Black oak	Incense cedar	White fir	Sugar pine	Ponderosa pine
2008	1	2	1	1	1	0	0
2009	9	20	6	14	7	2	0
2010	9	18	5	13	9	2	1
2011	8	6	6	5	6	0	1
2012 (in progress)	7	4	3	7	7	1	0
Totals	34	50	21	40	30	5	2

Table 3. Habitat attributes around fisher den trees within SNAMP Fisher Study Area. Data are from 18 m fixed radius circular plots (? 1 ha) centered on den trees (completed for 61 trees so far). Elevation reflects all unique den trees (n=81), meaning trees that were used across several years were included only once.

Attribute	Mean	Range
Canopy cover	72%	50 - 93%
Shrub cover	18.8%	0 - 82.5%
Herbaceous cover	5.4%	0 - 52.5%
Prevailing slope	34.1%	10 - 60.0%
Elevation (ft)	5321	4348 - 6609

Table 2: Basic information on the types of trees, and sizes of trees and snags known used by fishers within the SNAMP Fisher Study Area. Current as of April 27, 2012; Data are preliminary/subject to revision.

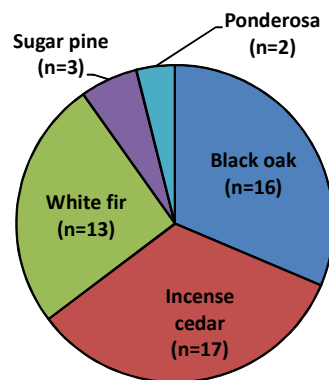
Tree species	Number live	Number snags	Mean Dbh live (cm)	Mean DBH snag (cm)	Mean total ht live (m)	Mean total ht snag (m)
Black oak	18	3	80.5	79	21.1	8.8
Incense cedar	23	17	123.4	101.4	33.2	18.3
White fir	13	17	110	104.3	34.3	30.9
Sugar pine	3	2	127.2	96	39.4	34.8
Ponderosa pine	2		91.3		35.4	

Data on mean tree height are 61 trees where detailed habitat measurements have been gathered.

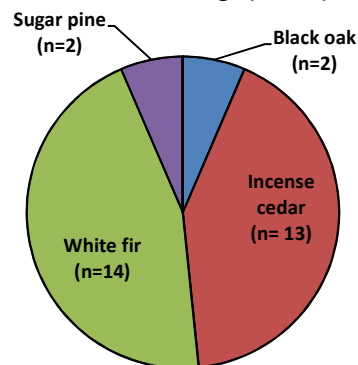
Table 4. Aspect and orientation for 61 known den trees.

Aspect/Orientation	Count
Aspect 12, 331-360 Northly	7
Aspect 1-30 Northly	4
Aspect 2, 31-60 Northeast	4
Aspect 3, 61-90 Easterly	6
Aspect 4, 91-120 Easterly	3
Aspect 5, 121-150 Southeast	6
Aspect 6, 151-180 Southerly	3
Aspect 7, 181-210 Southerly	2
Aspect 8, 211-240 Southwest	5
Aspect 9, 241-270 Westerly	4
Aspect 10, 271-300 Westerly	7
Aspect 11, 301-330	6

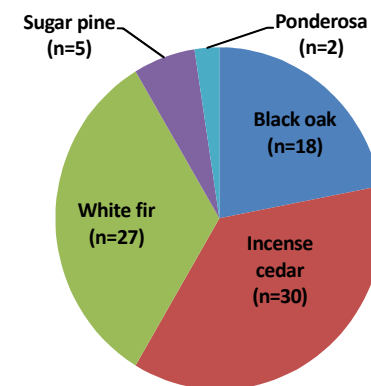
Live Den Trees (n = 51)



Den Tree Snags (n = 31)



All Den Trees - by Species



Case Study: SNAMP Female Fisher "F01"

Milestones and Major Events with F01

Event	Date	Comment
Initial capture	Dec 23, 2007	2 nd animal captured
Confirmed in Natal Den tree	Apr 9 2008	1 st fisher den tree identified in Bass Lake District, Sierra NF
Moves single kit to different tree	June 4, 2008	Verifies cameras can be used to obtain kit counts
Moves kits to 3 other den trees	Late Apr to early Jun, 2008	Only female fisher tracked during 1 st den season (2008)
Recaptured	Jun 17, 2008	Healthy, fitted with new collar
Confirmed in Natal Den Tree	Apr 3, 2009	Shifts denning towards Nelder Grove area; uses 3 trees
Recaptured	Oct 20, 2010	Fitted with new collar; healthy
Confirmed in Natal Den tree	Mar 26, 2010	Natal den on Calvin Crest Property; used just two trees in 2010
Mortality signal	Feb 7, 2010	Carcass recovered; necropsy – died of infection after predator attack



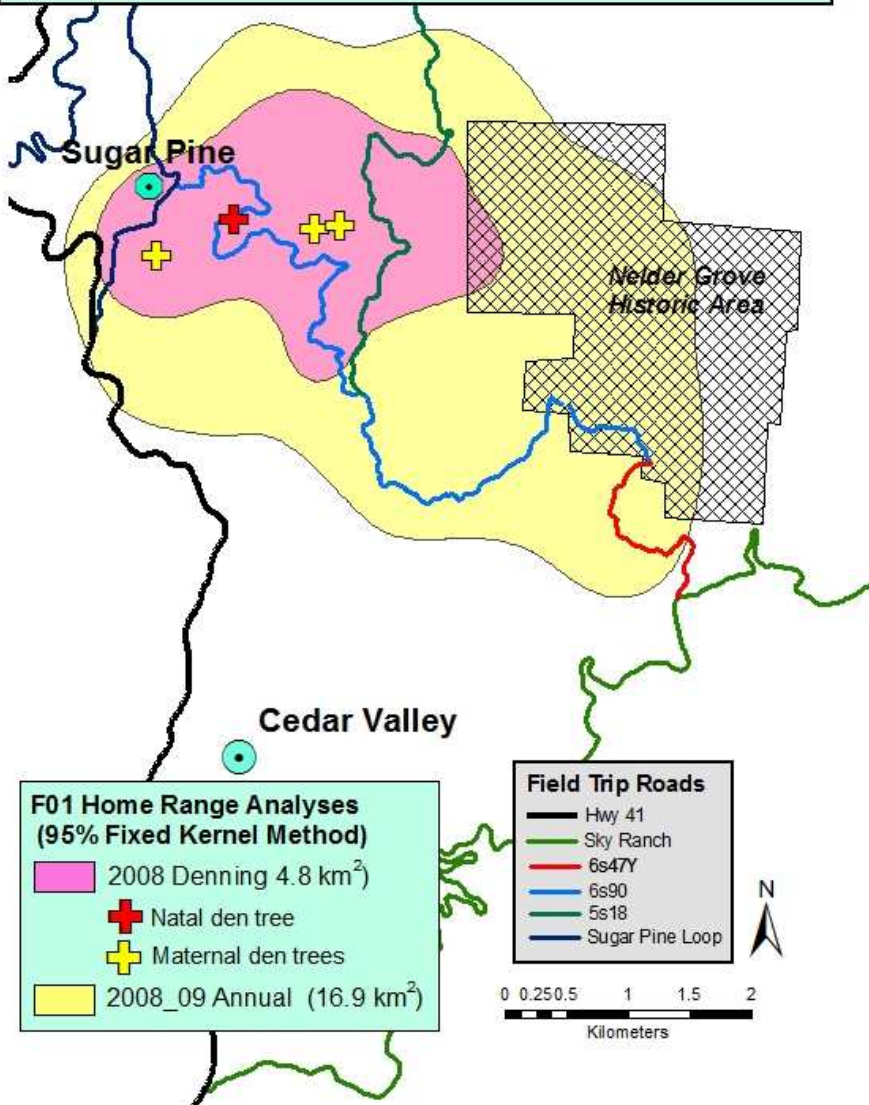
Case Study: SNAMP Male Fisher "M02"

Milestones and Major Events

Event	Date	Comment
Initial capture	Dec 30, 2007	3 rd animal captured
Recapture	Feb 27, 2008	See picture with Anne
Disappeared	May 31, 2008	Not heard for 2 months
Relocated	Aug 7, 2008	20 miles north in YNP
Recaptured	Feb 18, 2010	Fitted with new collar
Signal lost	Jan 15, 2012	Collar battery expired
Found dead	Apr 26, 2012	Roadkill in YNP
* 1 st evidence of long distance dispersal from Sierra NF north into Yosemite NP		



Home Range 1: F01 Denning & Annual 2008



Home Range 2: Annual 2008, 2009, & 2010

