Supplementary Material

Mental models of socio-ecological change among small-scale fishermen in the Central Gulf of California: implications for adaptive response

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**Supplementary Table 1.** Summary ofdemographic information of individuals participating in the cultural consensus exercises, reported in aggregate and by user group.

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| --- | --- | --- | --- | --- |
|  | **All Groups***(N=44)* | **Generalist***(N=15)* | **Seasonal***(N=15)* | **Specialist***(N=14)* |
| **Age** | 45.8(*± S.D. 13.1)* | 46.9(*± S.D. 13.4)* | 44.1(*± S.D. 10.8)* | 46.6(*± S.D. 15.2)* |
| **Residency** | 35.3(*± S.D. 15.4)* | 27.4(*± S.D. 12.9)* | 39.2(*± S.D. 14.1)* | 40.0(*± S.D. 16.1)* |
| **Experience** | 21.9(*± S.D. 11.1)* | 27.2(*± S.D. 11.7)* | 22.8(*± S.D. 11.1)* | 14.5(*± S.D. 3.73)* |
| **Education** | Primary=37.2%Secondary=44.1%Advanced=18.6% | Primary=33.3%Secondary=46.6%Advanced=20.0% | Primary=40.0%Secondary=53.3%Advanced=6.67% | Primary=35.7%Secondary=28.6%Advanced=28.6% |
| **Income Tier\*** | 2.04*(± S.D. 1.02)* | 2.13*(± S.D. 1.20)* | 2.20*(± S.D. 0.91)* | 1.92*(± S.D. 0.9)* |
| **Household Members** | 3.61*(± S.D. 1.46)* | 3.84*(± S.D. 1.09)* | 3.67*(± S.D. 1.12)* | 3.4*(± S.D. 1.9)* |
| **Household Income Sources** | 0.59*(± S.D. 0.73)* | 0.46*(± S.D. 0.49)* | 0.73*(± S.D. 0.68)* | 0.57*(± S.D. 0.93)* |
| **5 Year Change in Quality of Life** | Better= 10.8%Equal= 33.3%Worse= 64.8% | Better= 7.1%Equal= 14.2%Worse= 78.5% | Better=23.1%Equal= 38.4%Worse= 38.4% | Better= 0.00%Equal= 14.3%Worse= 64.2% |
| **Organizational Affiliation****(Self-Id)** | Permisionario=52.2%Cooperative=22.7%Free= 25.0% | Permisionario=6.6%Cooperative=46.6%Free=46.6% | Permisionario=66.7%Cooperative=20.0%Free=13.3% | Permisionario=85.7%Cooperative=0.00%Free=14.2% |

\* Monthly earnings (pesos): 1 = 0-1,644; 2= 1,645-3,288; 3= 3,289-4,932; 4= 4,933-8,200; 5=8,221+