Table S1. Biodiversity data from participatory mapping in SJZ.

|  |  |  |  |
| --- | --- | --- | --- |
| **Group** | **Species** | **Common name in spanish** | **Use** |
| Bird | *Buteo jamaicenYess* | Aguililla cola roja | 0 |
| Bird | *Sayornis nigricans* | Mosquero negro | 0 |
| Bird | *Haemorhous mexicanus* | Pinzón mexicano | 0 |
| Bird | *Yesalia mexicana* | Azulejo | 0 |
| Bird | *Accipiter striatus* | Gavilán | 0 |
| Bird | *Corvus corax* | Cuervo | 0 |
| Mammal | *Otospermophilus beecheyi* | Ardilla | 1 |
| Bird | *Chondestes grammacus* | Gorrión arlequín | 0 |
| Bird | *Falco sparverius* | Cernícalo | 0 |
| Bird | *Cathartes aura* | Zopilote aura | 0 |
| Reptile | *Trimorphodon lyrophanes* | Culebra ojo de gato | 0 |
| Arthropod | Diplocentridae | Alacrán | 0 |
| Bird | *Aphelocoma californica* | Chara azul | 0 |
| Amphibian | *Pseudacris hypochondriaca* | Rana de coro | 0 |
| Bird | *Pyrocephalus rubinus* | Cardenalito | 0 |
| Plant | *Platanus racemosa* | Aliso | 0 |
| Reptile | *Uta stansburiana* | Lagartija | 0 |
| Arthropod | *Pardosa sp.* | Araña lobo | 0 |
| Arthropod | *Latrodectus mactans* | Viuda negra | 0 |
| Amphibian | *Anaxyrus californicus* | Sapo | 0 |
| Plant | *Eriogonum fasciculatum* | Valeriana | 3 |
| Plant | *Rhus ovata* | Lentisco | 3,4 |
| Plant | *Salix laYesolepis* | Sauco, sauce | 3,4 |
| Mammal | *Sylvilagus audubonii* | Conejo | 1 |
| Bird | *Callipepla californica* | Codorniz | 1 |
| Plant | *Salvia apiana* | Salvia | 2,3 |
| Plant | *Cuscuta subinclusa* | Tripa de cachora | 1 |
| Fungi | Agaricaceae | Hongo | 1 |
| Plant | *Quercus agrifolia* | Encino | 1,2,4,5 |
| Fungi | *Russula sp.* | Hongo | 1 |
| Plant | *Quercus agrifolia* | Encino | 1 |
| Bird | *Zonotrichia leucophrys* | Gorrión rayado | 0 |
| Bird | *Streptopelia decaocto* | Paloma de collar | 1 |
| Bird | *Melanerpes formiscivorus* | Carpintero bellotero | 0 |
| Mammal | *Spilogale gracilis* | Zorrillo | 0 |
| Reptile | *HypYesglena ochrorhyncha* | Ojo de gato culebra nocturna | 0 |
| Reptile | *Masticophis fuliginosus* | Chirrionera | 0 |
| Plant | *Opuntia oricola* | Nopal | 0 |
| Reptile | *Sceloporus occidentalis* | Lagartija de cerco | 0 |
| Fungi | *Russula sp.1* | Hongo | 0 |
| Amphibian | *Pseudacris hypochondriaca* | Rana de coro | 0 |
| Amphibian | *Pseudacris cadBirdrina* | Ranita del pacífico | 0 |
| Plant | *Dudleya pulverulenta* | Suculentas | 0 |
| Fungi | *Xerocomus sp.* | Cemitas | 0 |
| Bird | *Zenaida macroura* | Paloma huilota | 0 |
| Bird | *Tyrannus sp.* | Tirano | 0 |
| Plant | *Nicotiana glauca* | Tabaquillo | 0 |

Use category: 1 food; 2 cultural; 3 medicinal; 4 handicrafts; 5 diverse.

Table S2. SJZ community demographic and cultural data, each register represents a commoner house.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Total habitants** | **Females** | **Female**  **Kumiai speaker** | **Males** | **Male**  **Kumiai speaker** | **SJZ**  **native** | **House classification** |
| 3 | 1 | 1 | 2 | 0 | No | Artisan house |
| 4 | 3 | 1 | 1 | 0 | Yes | Artisan house |
| 4 | 2 | 0 | 2 | 1 | No | Artisan house |
| 7 | 3 | 1 | 4 | 2 | Yes | Artisan house |
| 1 | 1 | 1 | 0 | 0 | Yes | Artisan house |
| 3 | 1 | 1 | 2 | 2 | Yes | Artisan house |
| 6 | 3 | 1 | 3 | 0 | Yes | Artisan house |
| 7 | 4 | 1 | 3 | 1 | Yes | Artisan house |
| 7 | 3 | 1 | 4 | 3 | Yes | Artisan house |
| 3 | 1 | 1 | 2 | 0 | No | Artisan house |
| 2 | 1 | 1 | 1 | 1 | Yes | Artisan house |
| 10 | 6 | 3 | 4 | 0 | Yes | Artisan house |
| 4 | 3 | 1 | 1 | 0 | Yes | Artisan house |
| 3 | 2 | 1 | 1 | 0 | No | Artisan house |
| 7 | 3 | 1 | 4 | 2 | Yes | Artisan house |
| 2 | 1 | 0 | 1 | 0 | Yes | Commoner house |
| 3 | 2 | 0 | 1 | 0 | Yes | Commoner house |
| 3 | 1 | 0 | 2 | 1 | Yes | Commoner house |
| 5 | 3 | 0 | 2 | 0 | Yes | Commoner house |
| 3 | 2 | 0 | 1 | 0 | Yes | Commoner house |
| 5 | 3 | 0 | 2 | 0 | No | Commoner house |
| 0 | 0 | 0 | 0 | 0 | Yes | Commoner house |
| 4 | 1 | 1 | 3 | 1 | Yes | Dancer house |
| 4 | 1 | 1 | 3 | 0 | Yes | Dancer house |
| 1 | 0 | 0 | 1 | 0 | No | Dancer house |
| 0 | 0 | 0 | 1 | 0 | No | Dancer house |
| 4 | 2 | 1 | 2 | 0 | Yes | Kumiai Speaker |
| 1 | 0 | 0 | 1 | 1 | Yes | Kumiai Speaker |
| 4 | 2 | 1 | 2 | 1 | Yes | Kumiai Speaker |
| 6 | 2 | 2 | 4 | 4 | Yes | Kumiai Speaker |
| 1 | 0 | 0 | 1 | 1 | Yes | Kumiai Speaker |

Table S3. Cultural, public, and common use sites

|  |  |  |
| --- | --- | --- |
| **Site type** | **Site name** | **Use - Description** |
| Cultural | Iglesia de los Encinos | Church |
| Historic | "Paredes Vieja " | First community house |
| Historic | El Represo | Ancient site |
| Public | Telesecundaria No 16. Indio Kumiai | Secondary school |
| Public | Escuela Primaria Bilingüe Ricardo Flores Magón | Primary school |
| Public | Clínica "Paulina Vega" | Medical attention |
| Public | Comedor "Niño indígena" | Community food center |
| Public | Kínder | Preschool |
| Public | Parque infantil Arroyo | Playground Primary school |

Table S4. Agriculture activities in SJZ

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Economic activity** | **Produce** | **Actual use** | **Year of last production** | **Produce Market** |
| AGRICULTURE | Garlic | Yes | n/a | External |
| Grapes | Yes | n/a | External |
| Fruits | Yes | n/a | External |
| Willow, Oak, Sage, Spiny Rush | no | 2016 | External |
| Oat | no | 2017 | Local |
| Bean, Oat, Watermelon and Corn | no | 2017 | Local |
| Grapes and Fruits | Yes | n/a | External |
| Grapes | Yes | n/a | External |
| Grass | Yes | n/a | Local |
| Grapes | Yes | n/a | External |

Table S5. Trades activities in SJZ community

|  |  |
| --- | --- |
| **Economic activity** | **Produce** |
| Product trade | Fruits, Wine |
| Wine |
| Cheese, wine, and fruits |
| Handicrafts |
| Handicrafts and typical food |
| Cheese, honey, and handicrafts |
| Ecotourism |

Table. S6. Livestock activities in SJZ community

|  |  |  |
| --- | --- | --- |
| **Economic activity** | **Produce market** | **Type of Livestock farming** |
| Livestock | External | Free |
| Local | Free |
| Local | Intensive (in pens) |
| Local | Free |
| Local | Intensive (in pens) |
| Local | Intensive (in pens) |
| Local | Intensive (in pens) |
| Local | Free |
| Local | Free |

Table. S7. Links to San Jose de la Zorra ciberatlas and Story maps.

|  |  |
| --- | --- |
| **Product** | **Link** |
| San Jose de la Zorra Cyberatlas | <https://tinyurl.com/y7op57b9> |
| San Jose de la Zorra Story map | <https://tinyurl.com/ybao42ar> |