**Appendix 1**

The search strings were adapted from previous systematic reviews (Roe et al. 2015), which addressed similar objectives.

|  |  |  |
| --- | --- | --- |
| **Table 1**. **Alternative Livelihoods Synonyms** | | |
| additional livelihood | alternative strateg\* | livelihood diversif\* |
| alternative activity/activities | alternative wage | livelihood enhanc\* |
| alternative economic opportunity/opportunities | alternative work | livelihood\* interven\* |
| alternative employment | benefit sharing | livelihood improvement |
| alternative enterprise(s) | biodiversity-based livelihood(s)/ biodiversity based livelihood(s) | livelihood loan |
| alternative food(s) | community development | livelihood\* need(s) |
| alternative gear(s) | complement\* livelihood(s) | livelihood opportuniti\* |
| alternative income | development project | livelihood option |
| alternative income generating (AIGs) projects/activities | development program | livelihood project |
| alternative job(s) | diversification/diversify/diversified | livelihood program\* |
| alternative livelihood(s) | eco-development project(s) / eco development project(s) | resource substit\* |
| alternative occupation(s) | household income | poverty alleviat\* |
| alternative opportunity | income-generating activit\*/ income generating activit\*/ IGA(s) | poverty reduc\* |
| alternative option(s) | income substit\* | resource supplement |
| alternative product(s) | livelihood alternative(s) | rural development |
| alternative protein | livelihood activit\* | supplement\* income |
| alternative regenerative livelihood(s) | livelihood\* assess\* | sustainable alternative(s) |
| alternative resource(s) | livelihood (based) approach(es) | supplement\* livelihood(s) |
| alternative rural wage | livelihood\* benefit(s) | sustainable livelihood(s) |
| alternative skill(s) | livelihood choice(s) | Livelihood-focused alternative/intervention(s) |
| alternative source(s) | livelihood\* develop\* | Rural livelihood project |

|  |  |  |
| --- | --- | --- |
| **Table 2. Specific Alternative Livelihoods Activities** | | |
| agoforestry | fish coop\* | ranger |
| agro-processing/ agroprocessing | fish farm\* | rattan (collect\* / harvest\*) |
| alternative farming (system) | fish gear | recycle |
| aquaculture (pond aquaculture) | fish ponds | replanting |
| aquaponics | flower farm\* | rice-fish culture |
| basket mak\* | forest guard / patrol | tree nurser\* |
| beekeeping/ bee keeping | fuel efficient stove | safari hunt\* |
| bike vend\* | fuel\* substitute | pelagic fish\* |
| boat build\*/repair\* | game meat (rear\*/ farm\*) | physical investment |
| brickmak\* | grasscutter / grass cutter (rear\*/ farm\*) | sea cucumber (collect\* / harvest\* / farm\*) |
| bushmeat / bush meat (rear\*/ farm\*) | guinea pigs (rear\*/ farm\*) | sea cucumber farm\* |
| butterfly farm\* | Handicraft / handycraft | seaweed ( collect\*/ harvest\*/ farm\*) |
| canerats / cane rat (rear\*/ farm\*) | home /kitchen/ peri-urban garden | silk (culture / farm\*) |
| capital invest\* | horticulture | shell (collect\* / harvest\*) |
| carpentry | lobster fattening | shrimp (farm\* / nurser\*) |
| carver | macro algal culture | small business develop\* |
| carpentry | mangrove (collect / harvest\*) | snail (farm\* / rear\*) |
| cassava /gari (process\*) | mariculture | soap mak\* |
| cloth mak\* | market garden | sport fish\* |
| caterpillar utilization / utilization | market integration | tailor |
| cocoa farm\* | mat weav\* | thatch (collect\*/ harvest\*/ mak\*) |
| coffee farm\* | micro-enterprise(s) (development) | tour guid\* |
| cooperative | micro-finance | tourism |
| cook\* | mushroom farm/production/cultivat\*mariculture | trophy hunt\* |
| concrete block mak\* | non farm employment/ non-farm employment | vegetable(farm\* / grow\*) |
| crab fattening | non wood forest products/ NWFPs | weaving |
| crop diversif\* | non timber forest products/ NTFPs | wildlife based enterprise(s) |
| dye produc\* | off farm employment/ off-farm employment | wildlife farm\* |
| duck farm\* | off forest activit\*/ off-forest activit\* | wild meat |
| domestication | oyster farm\* | wood substitute\* |
| ecoguide/ eco guide | palm wine (making) |  |
| ecotourism /eco tourism | palm oil |  |
| energy substi\* | pelagic fish\* |  |
| enterprise | physical investment |  |
| entrepreneur | pig (rear\*/ farm\*) |  |
| fish aggregating device(s) / FAD(s) | pottery |  |
| fishing (alternative(s)) | poultry farm\* |  |

|  |  |  |
| --- | --- | --- |
| **Table 3: Well-being** | | |
| "well-being |  |  |
| wellbeing | wellness | wellness |
| "well being" | welfare | human right |
| human well | human right |  |
| Basic need | Human need | Quality of life |
| Depriv\* | Social welfare | Good life |
| livelihood | wealth | Inequality |
| employ | Marginaliz\* | Equality |
| income | Equit\* | happiness |
| satisfaction | Nutritional security | Empower\* |
| satisfied | Standard of living | Place attachment |
| Food security | Human relation | Sense of place |
| Personal safe | Social interact\* | autonomy |
| freedom | Participat\* | Dissatisf\* |
| Social relation | education | Depress\* |
| identity | anxiety | Unemploy\* |
| Disempow\* | Depress\* | illhealth |
| anxiety | debt | unhapp |
| Un-employ | illness | Physical health |
| Ill-health | Mental health | financial gain |
| Social capital | Human health | Standard of living |
| Social empowerment | Economic resource | Socio economic source |
| Income source | Income earning | Sustainable income |

|  |  |  |
| --- | --- | --- |
| **Table 4: Community Based Conservation** | | |
| Community-based conservation\* | Collaborative wildlife management | Integrated conservation and development project OR Community forestry |
| Community based conservation | Community-based natural resource management OR Community forest management | Community based conservancies OR community-based wildlife management |
| Decentralized forest management | Community forestry |  |
| **Table 5: Sub-Saharan Africa** | | |
| (Africa, OR “West Africa” OR “Central Africa” OR “East Africa” OR “Southern Africa” OR “Sub-Saharan Africa” OR Africa) | Burundi) OR Cameroon) OR Cabo Verde) OR Central African Republic) OR Chad) OR Comoros) OR Congo) OR Democratic Republic of Congo) OR Djibouti) | Nigeria) OR Republic of Congo) OR Rwanda) OR Sao Tome) OR Senegal) OR Seychelles) OR Sierra Leone) OR Somalia) OR South Africa) OR Sudan) OR Swaziland) OR Tanzania) OR Togo) OR Tunisia) OR Uganda) OR South Sudan) OR Zambia) OR Zimbabwe |
| OR Angola) OR Benin) OR Botswana) OR Burkina Faso) | Equatorial Guinea) OR Eritrea) OR Ethiopia) OR Gabon) OR Gambia) OR Ghana) OR Guinea) Or Guinea Bissau) Or Ivory Coast) OR Cote d’Ivoire) |  |