Table S1. Land use in the study area before (1995 and 2000) and after (2005 and 2013) the construction of the underground cutoff walls.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Land Use |  | Watera |  | Agricultural |  | Uncultivated land |  | Building |  | Pine forest |
|  | Area(km2) | % of total area |  | Area(km2) | % of total area |  | Area(km2) | % of total area |  | Area(km2) | % of total area |  | Area(km2) | % of total area |
| Area |  | Downstream of the underground cutoff walls |
| 1995 |  | 11.12 | 23.78 |  | 10.55 | 22.58 |  | 15.49 | 33.15 |  | 2.73 | 5.84 |  | 6.85 | 14.65 |
| 2000 |  | 6.07 | 12.98 |  | 13.17 | 28.14 |  | 18.63 | 39.82 |  | 3.67 | 7.85 |  | 5.25 | 11.22 |
| 2005 |  | 15.78 | 32.41 |  | 10.33 | 21.23 |  | 16.61 | 34.12 |  | 3.77 | 7.74 |  | 2.19 | 4.50 |
| 2013 |  | 8.97 | 15.32 |  | 2.71 | 4.62 |  | 16.05 | 27.40 |  | 24.75 | 42.24 |  | 6.11 | 10.42 |
| Area |  | Upstream of the underground cutoff walls |
| 1995 |  | 1.13 | 1.56 |  | 58.53 | 80.81 |  | 0.22 | 0.30 |  | 12.55 | 17.33 |  | - |
| 2000 |  | 0.12 | 0.16 |  | 57.39 | 79.24 |  | 4.21 | 5.81 |  | 10.71 | 14.79 |  |
| 2005 |  | 0.28 | 0.38 |  | 58.12 | 80.25 |  | 5.77 | 7.97 |  | 8.26 | 11.41 |  |
| 2013 |  | 0.38 | 0.52 |  | 46.58 | 64.22 |  | 12.32 | 16.98 |  | 13.26 | 18.28 |  |

a Estuaries are not included in the definition of this land use type excepted the mariculture ponds