**Online Supporting Information**

This Appendix gives an overview of all 216 value observations used in the ecosystem service analysis. We provide an overview of the monetary values of ecosystem services per wetland, which include the number of used values, the mean, the standard deviation of the mean, the maximum and the minimum value. In addition for each value estimate by each wetland type we include the ecosystem service, the monetary value (in $US 2007 per year), the country/region, and original reference. All full references are listed by region at the end of this appendix. The design of the tables is based on the work by de Groot et al. (2012).

**A.1. Overview of used value per wetland type**

**1. Mangrove**

Description: forested-shrub estuarine wetland: plant association formed by one or a combination of the four species of mangrove.

Table 1.1. Ecosystem services values provided by mangroves (in $US 2007/ha/year).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **MANGROVE** | No. obs. | Median value | S.D | Maximum value | Minimum value |
| **Provisioning services** | **72** | **1,325** | **11175** | **61864** | **684** |
| Support of commercial fishing | 30 | 380 | 10521 | 58628 | 0 |
| Water supply | 1 | 683 |  | 683 | 683 |
| Harvesting of natural materials | 23 | 213 | 321 | 1372 | 0 |
| Fuel Wood | 18 | 48 | 333 | 1181 | 0 |
| Ornamental resources |  |  |  |  |  |
| **Regulation services** | **10** | **690** | **2776** | **8095** | **7** |
| Local climate control | 1 | 7 |  | 7 | 7 |
| Flood control and storm buffering | 9 | 683 | 2776 | 8088 | 0 |
| Water quality improvement |  |  |  |  |  |
| **Support services** | **5** | **247** | **12347** | **27856** | **20** |
| Genetic resources |  |  |  |  |  |
| Biodiversity | 5 | 247 | 12347 | 27856 | 20 |
| **Cultural services** | **4** | **391** | **190** | **721** | **391** |
| Amenity and esthetics |  |  |  |  |  |
| Recreational activities | 3 | 362 | 190 | 692 | 362 |
| Recreational fishing and hunting | 1 | 28 |  | 28 | 28 |
| **Total** | **91** | **2,653** | **26489** | **98535** | **1101** |

Table 1.2. Monetary values per ecosystem service

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ecosystem services** | **Value** | **Country** | **Reference** | |
| **Provisioning services** |  |  |  |  |
| Support of commercial fishing | 53.99 | Bangladesh | Ahmad | 1984 |
| Support of commercial fishing | 109.10 | Cambodia | Bann | 1997 |
| Support of commercial fishing | 51.08 | Cambodia | Bann | 1997 |
| Support of commercial fishing | 20.02 | Cambodia | Bann | 1997 |
| Support of commercial fishing | 240.98 | Mexico | Barbier | 1998 |
| Support of commercial fishing | 8829.90 | Malaysia | Bennett | 1993 |
| Support of commercial fishing | 316.09 | Indonesia | Burbridge | 1985 |
| Support of commercial fishing | 178.94 | Thailand | Christensen | 1982 |
| Support of commercial fishing | 596.46 | Thailand | Christensen | 1982 |
| Support of commercial fishing | 1228.71 | Thailand | Christensen | 1982 |
| Support of commercial fishing | 357.88 | Thailand | Christensen | 1982 |
| Support of commercial fishing | 72.02 | Malaysia | Dugan | 1990 |
| Support of commercial fishing | 942.35 | El Salvador | Gammage | 1997 |
| Support of commercial fishing | 432.68 | Trinidad and Tobago | Hamilton | 1984 |
| Support of commercial fishing | 686.05 | Fiji | Lal | 1990 |
| Support of commercial fishing | 944.82 | Vietnam | Levine | 1998 |
| Support of commercial fishing | 6215.62 | Australia | Morton | 1990 |
| Support of commercial fishing | 550.56 | Trinidad and Tobago | Ramdial | 1975 |
| Support of commercial fishing | 212.73 | Indonesia | Ruitenbeek | 1992 |
| Support of commercial fishing | 569.80 | Indonesia | Ruitenbeek | 1992 |
| Support of commercial fishing | 224.40 | Thailand | Sathirathai | 1998 |
| Support of commercial fishing | 379.97 | Thailand | Sathirathai | 1998 |
| Support of commercial fishing | 1951.6 | Malaysia | Bann | 1999 |
| Support of commercial fishing | 516.44 | Thailand | Barbier | 1996 |
| Support of commercial fishing | 352.90 | Costa Rica | IUCN | 2004 |
| Support of commercial fishing | 246.96 | El Salvador | MENR | 2002 |
| Support of commercial fishing | 58628.02 | Philippines | Nickerson | 1999 |
| Support of commercial fishing | 0.06 | Vietnam | Tri | 1996 |
| Support of commercial fishing | 16.04 | Vietnam | Tri | 2000 |
| Water supply | 683.45 | El Salvador | MENR | 2002 |
| Harvesting of natural materials | 53.99 | Bangladesh | Ahmad | 1984 |
| Harvesting of natural materials | 12.63 | Cambodia | Bann | 1997 |
| Harvesting of natural materials | 7.42 | Cambodia | Bann | 1997 |
| Harvesting of natural materials | 3.90 | Cambodia | Bann | 1997 |
| Harvesting of natural materials | 51.56 | Malaysia | Bennett | 1993 |
| Harvesting of natural materials | 79.02 | Indonesia | Burbridge | 1985 |
| Harvesting of natural materials | 1371.86 | Thailand | Christensen | 1982 |
| Harvesting of natural materials | 72.02 | Malaysia | Dugan | 1990 |
| Harvesting of natural materials | 10.48 | El Salvador | Gammage | 1997 |
| Harvesting of natural materials | 242.30 | Trinidad and Tobago | Hamilton | 1984 |
| Harvesting of natural materials | 2.54 | Pakistan | Khalil | 1999 |
| Harvesting of natural materials | 409.23 | Trinidad and Tobago | Ramdial | 1975 |
| Harvesting of natural materials | 212.73 | Indonesia | Ruitenbeek | 1992 |
| Harvesting of natural materials | 333.85 | Indonesia | Ruitenbeek | 1992 |
| Harvesting of natural materials | 305.61 | Indonesia | Ruitenbeek | 1992 |
| Harvesting of natural materials | 224.40 | Thailand | Sathirathai | 1998 |
| Harvesting of natural materials | 379.97 | Thailand | Sathirathai | 1998 |
| Harvesting of natural materials | 296.76 | El Salvador | MENR | 2002 |
| Harvesting of natural materials | 246.96 | El Salvador | MENR | 2002 |
| Harvesting of natural materials | 720.55 | Philippines | Nickerson | 1999 |
| Harvesting of natural materials | 0.06 | Vietnam | Tri | 1996 |
| Harvesting of natural materials | 20.78 | Vietnam | Tri | 2000 |
| Fuel Wood | 3.81 | Cambodia | Bann | 1997 |
| Fuel Wood | 3.91 | Cambodia | Bann | 1997 |
| Fuel Wood | 42.86 | Cambodia | Bann | 1997 |
| Fuel Wood | 2.34 | Cambodia | Bann | 1997 |
| Fuel Wood | 79.02 | Indonesia | Burbridge | 1985 |
| Fuel Wood | 1180.99 | Thailand | Christensen | 1982 |
| Fuel Wood | 72.02 | Malaysia | Dugan | 1990 |
| Fuel Wood | 10.48 | El Salvador | Gammage | 1997 |
| Fuel Wood | 22.32 | Pakistan | Khalil | 1999 |
| Fuel Wood | 23.21 | Fiji | Lal | 1990 |
| Fuel Wood | 409.23 | Trinidad and Tobago | Ramdial | 1975 |
| Fuel Wood | 212.73 | Indonesia | Ruitenbeek | 1992 |
| Fuel Wood | 296.76 | El Salvador | MENR | 2002 |
| Fuel Wood | 720.55 | Philippines | Nickerson | 1999 |
| Fuel Wood | 0.06 | Vietnam | Tri | 1996 |
| Fuel Wood | 1.89 | Vietnam | Tri | 2000 |
| **Regulation services** |  |  |  |  |
| Local climate control | 7 | Cambodia | Emerton | 2002 |
| Flood control and storm buffering | 74.68 | Indonesia | Ruitenbeek | 1992 |
| Flood control and storm buffering | 8087.79 | Thailand | Sathirathai | 1998 |
| Flood control and storm buffering | 3,131 | Malaysia | Bann | 1999 |
| Flood control and storm buffering | 5080.10 | Thailand | Barbier | 1996 |
| Flood control and storm buffering | 683.45 | El Salvador | MENR | 2002 |
| Flood control and storm buffering | 2005.00 | Philippines | Samonte | 2004 |
| Flood control and storm buffering | 448.00 | Cambodia | Emerton | 2002 |
| **Support services** |  |  |  |  |
| Biodiversity | 59.62 | Indonesia | Ruitenbeek | 1992 |
| Biodiversity | 27855.68 | Malaysia | Bann | 1999 |
| Biodiversity | 246.96 | El Salvador | MENR | 2002 |
| Biodiversity | 19.53 | Vietnam | Tri | 2000 |
| **Cultural services** |  |  |  |  |
| Recreational activities | 692.28 | Trinidad and Tobago | Hamilton | 1984 |
| Recreational activities | 362.28 | Trinidad and Tobago | Ramdial | 1975 |
| Recreational activities | 362.49 | Trinidad and Tobago | Ramdial | 1975 |
| Recreational fishing and hunting | 28.42 | Trinidad and Tobago | Ramdial | 1975 |

**2. Coastal lagoon**

Description: subtidal estuarine wetland.

Table 1.1. Ecosystem services values provided by coastal lagoon (in $US 2007/ha/year)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Coastal lagoon** | No. obs. | Median value | S.D | Maximum value | Minimum value |
| **Provisioning services** | **7** | **281** | **1093** | **2046** | **45** |
| Support of commercial fishing | 3 | 122 | 435 | 826 | 31 |
| Water supply | 1 | 3 |  | 3 | 3 |
| Harvesting of natural materials | 3 | 156 | 658 | 1217 | 11 |
| Fuel Wood |  |  |  |  |  |
| Ornamental resources |  |  |  |  |  |
| **Regulation services** | **3** | **17** | **208** | **370** | **4** |
| Local climate control |  |  |  |  |  |
| Flood control and storm buffering | 3 | 17 | 208 | 370 | 4 |
| Water quality improvement |  |  |  |  |  |
| **Support services** | **0** | **0** | **0** | **0** | **0** |
| Genetic resources |  |  |  |  |  |
| Biodiversity |  |  |  |  |  |
| **Cultural services** | **5** | **1629** | **4648** | **9175** | **700** |
| Amenity and esthetics | 1 | 460 |  | 460 | 460 |
| Recreational activities | 1 | 151 |  | 151 | 151 |
| Recreational fishing and hunting | 3 | 1018 | 4648 | 8565 | 89 |
| **Total** | **15** | **1,926** | **5949** | **11591** | **749** |

Table 1.2. Monetary values per ecosystem service

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ecosystem services** | **Value** | **Country** | **Reference** | |
| **Provisioning services** |  |  |  |  |
| Support of commercial fishing | 30.76 | Italy | Nunes | 2004 |
| Support of commercial fishing | 825.87 | Trinidad and Tobago | Dharmaratne | 2002 |
| Support of commercial fishing | 122.09 | Cambodia | Emerton | 2002 |
| Water supply | 2.97 | US | Farber | 1996 |
| Harvesting of natural materials | 11.33 | Cambodia | Emerton | 2002 |
| Harvesting of natural materials | 155.80 | France | Rudloff | 1997 |
| Harvesting of natural materials | 1216.69 | France | Rudloff | 1997 |
| **Regulation services** |  |  |  |  |
| Flood control and storm buffering | 3.99 | US | Farber | 1987 |
| Flood control and storm buffering | 16.87 | US | Farber | 1996 |
| Flood control and storm buffering | 369.83 | US | Farber | 1996 |
| **Cultural services** |  |  |  |  |
| Amenity and esthetics | 459.77 | Morocco | Benessiah | 1998 |
| Recreational activities | 150.8 | Italy | Signorello | 1998 |
| Recreational fishing and hunting | 1018.07 | Morocco | Benessiah | 1998 |
| Recreational fishing and hunting | 89.47 | Italy | Alberini | 2007 |
| Recreational fishing and hunting | 8564.70 | France | Dabat | 1998 |

**3. Palustrine**

Description: palustrine continental wetland (where there is permanent water): swamp, marshes, tular, popal.

Table 1.1. Ecosystem services values provided by palustrine (in $US 2007/ha/year)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Palustrine** | No. obs. | Median value | S.D | Maximum value | Minimum value |
| **Provisioning services** | **19** | **4,845** | **6800** | **13687** | **519** |
| Support of commercial fishing | 9 | 67 | 1659 | 5056 | 11 |
| Water supply | 6 | 1286 | 867 | 2116 | 39 |
| Harvesting of natural materials | 2 | 3353 | 4275 | 6376 | 330 |
| Fuel Wood | 1 | 26 |  | 26 | 26 |
| Ornamental resources | 1 | 114 |  | 114 | 114 |
| **Regulation services** | **11** | **2322** | **8501** | **20831** | **308** |
| Local climate control |  |  |  |  |  |
| Flood control and storm buffering | 3 | 1661 | 2550 | 5200 | 250 |
| Water quality improvement | 8 | 661 | 5951 | 15631 | 58 |
| **Support services** | **4** | **55** | **277** | **528** | **40** |
| Genetic resources | 1 | 31 |  | 31 | 31 |
| Biodiversity | 3 | 24 | 277 | 497 | 9 |
| **Cultural services** | **5** | **2467** | **20867** | **43502** | **504** |
| Amenity and esthetics |  |  |  |  |  |
| Recreational activities | 4 | 2,430 | 20867 | 43465 | 468 |
| Recreational fishing and hunting | 1 | 37 |  | 37 | 37 |
| **Total** | **39** | **9,689** | **36446** | **78548** | **1372** |

Table 1.2. Monetary values per ecosystem service

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ecosystem services** | **Value** | **Country** | **Reference** | |
| **Provisioning services** |  |  |  |  |
| Support of commercial fishing | 148.22 | US | Dillman | 1993 |
| Support of commercial fishing | 40.54 | Uganda | Emerton | 1998 |
| Support of commercial fishing | 10.94 | Sweden | Folke | 1991 |
| Support of commercial fishing | 54.28 | US | Leitch | 1996 |
| Support of commercial fishing | 36.64 | US | Leitch | 1996 |
| Support of commercial fishing | 221.17 | US | Leitch | 1996 |
| Support of commercial fishing | 93.63 | US | Leitch | 1996 |
| Support of commercial fishing | 5055.92 | Italy | Franco | 2006 |
| Support of commercial fishing | 67.35 | US | Milon | 1999 |
| Water supply | 577.64 | Uganda | Emerton | 1998 |
| Water supply | 38.70 | Sweden | Folke | 1991 |
| Water supply | 770.38 | Japan | Kuriyama | 1998 |
| Water supply | 1999.16 | Japan | Kuriyama | 1998 |
| Water supply | 2115.54 | Japan | Kuriyama | 1998 |
| Water supply | 1800.68 | Japan | Kuriyama | 1998 |
| Harvesting of natural materials | 330.01 | Uganda | Emerton | 1998 |
| Harvesting of natural materials | 6375.84 | Netherlands | Bos | 1998 |
| Fuel wood | 25.59 | US | Ko | 2004 |
| Ornamental resources | 114 | South Africa | Adekola | 2008 |
| **Regulation services** |  |  |  |  |
| Flood control and storm buffering | 250.48 | US | Blomquist | 1998 |
| Flood control and storm buffering | 1661.48 | US | Blomquist | 1998 |
| Flood control and storm buffering | 5055.92 | Italy | Franco | 2006 |
| Water quality improvement | 295.12 | US | Breaux | 1995 |
| Water quality improvement | 2932.58 | US | Breaux | 1995 |
| Water quality improvement | 15631.32 | US | Breaux | 1995 |
| Water quality improvement | 148.22 | US | Dillman | 1993 |
| Water quality improvement | 10672.27 | Uganda | Emerton | 1998 |
| Water quality improvement | 57.77 | Sweden | Folke | 1991 |
| Water quality improvement | 1026.20 | US | Cardoch | 2000 |
| Water quality improvement | 243.34 | US | Ko | 2004 |
| **Support services** |  |  |  |  |
| Genetic resources | 31 | Western Africa | Ly | 2006 |
| Biodiversity | 9.09 | Sweden | Folke | 1991 |
| Biodiversity | 23.80 | UK | Hanley | 1991 |
| Biodiversity | 496.83 | UK | Turner | 1988 |
| **Cultural services** |  |  |  |  |
| Recreational activities | 43465.17 | Netherlands | Bos | 1998 |
| Recreational activities | 2814.46 | US | Cooper | 1991 |
| Recreational activities | 467.82 | Italy | Marangon | 2002 |
| Recreational activities | 2045.93 | Italy | Marangon | 2002 |
| Recreational fishing and hunting | 36.64 | US | Leitch | 1996 |

**4. Riverine**

Description: permanent riverine wetland; rivers and channels

Table 1.1. Ecosystem services values provided by riverine (in $US 2007/ha/year)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Riverine** | No. obs. | Median value | S.D | Maximum value | Minimum value |
| **Provisioning services** | **29** | **1,085** | **16345** | **53726** | **186** |
| Support of commercial fishing | 11 | 822 | 12504 | 42542 | 2 |
| Water supply | 8 | 18 | 2476 | 6864 | 1 |
| Harvesting of natural materials | 9 | 65 | 1365 | 4140 | 3 |
| Fuel Wood | 1 | 180 |  | 180 | 180 |
| Ornamental resources |  |  |  |  |  |
| **Regulation services** | **22** | **4,399** | **119313** | **447449** | **3** |
| Local climate control |  |  |  |  |  |
| Flood control and storm buffering | 14 | 4,291 | 114963 | 434958 | 1 |
| Water quality improvement | 8 | 108 | 4350 | 12490 | 2 |
| **Support services** | **10** | **2,145** | **6162** | **20553** | **0** |
| Genetic resources |  |  |  |  |  |
| Biodiversity | 10 | 2,145 | 6162 | 20553 | 0 |
| **Cultural services** | **8** | **5,202** | **2024** | **7403** | **3418** |
| Amenity and esthetics | 1 | 3,291 |  | 3291 | 3291 |
| Recreational activities | 5 | 1,253 | 1150 | 2835 | 87 |
| Recreational fishing and hunting | 2 | 658 | 874 | 1277 | 40 |
| **Total** | **51** | **12,833** | **143845** | **529130** | **3607** |

Table 1.2. Monetary values per ecosystem service

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ecosystem services** | **Value** | **Country** | **Reference** | |
| **Provisioning services** |  |  |  |  |
| Support of commercial fishing | 42541.93 | US | Mullarkey | 1997 |
| Support of commercial fishing | 102.54 | Angola | Seyam | 2001 |
| Support of commercial fishing | 91.75 | Angola | Seyam | 2001 |
| Support of commercial fishing | 1696.87 | US | Whitehead | 1991 |
| Support of commercial fishing | 3443.59 | Lao | Gerrard | 2004 |
| Support of commercial fishing | 1.54 | Bangladesh | Islam | 2006 |
| Support of commercial fishing | 6.84 | Cambodia | IUCN | 2005 |
| Support of commercial fishing | 821.94 | Cambodia | Navy | 2000 |
| Support of commercial fishing | 67.34 | Mozambique | Turpie | 1999 |
| Support of commercial fishing | 4139.62 | China | Tong | 2007 |
| Support of commercial fishing | 4146.89 | China | Tong | 2007 |
| Water supply | 6863.83 | France | ACSA | 1996 |
| Water supply | 2.98 | Bangladesh | Islam | 2006 |
| Water supply | 6.84 | Cambodia | IUCN | 2005 |
| Water supply | 8.70 | Mozambique | Turpie | 1999 |
| Water supply | 0.70 | Namibia, Botswana | Turpie | 1999 |
| Water supply | 27.79 | Mozambique | Turpie | 1999 |
| Water supply | 955.86 | China | Tong | 2007 |
| Water supply | 3187.12 | China | Tong | 2007 |
| Harvesting of natural materials | 64.76 | Angola | Seyam | 2001 |
| Harvesting of natural materials | 1276.63 | Czech Republic | Ungerman | 1994 |
| Harvesting of natural materials | 855.62 | Lao | Gerrard | 2004 |
| Harvesting of natural materials | 2.93 | Cambodia | IUCN | 2005 |
| Harvesting of natural materials | 13.78 | Cambodia | Navy | 2000 |
| Harvesting of natural materials | 3.42 | Angola | Seyam | 2001 |
| Harvesting of natural materials | 6.27 | Tanzania | Turpie | 2000 |
| Harvesting of natural materials | 69.11 | Mozambique | Turpie | 1999 |
| Harvesting of natural materials | 4139.62 | China | Tong | 2007 |
| Fuel wood | 180.45 | Cambodia | Navy | 2000 |
| **Regulation services** |  |  |  |  |
| Flood control and storm buffering | 46565.23 | US | Dalecki | 1993 |
| Flood control and storm buffering | 11947.59 | France | ACSA | 1996 |
| Flood control and storm buffering | 434958.22 | France | ACSA | 1996 |
| Flood control and storm buffering | 4314.41 | France | ACSA | 1996 |
| Flood control and storm buffering | 39.22 | France | ACSA | 1996 |
| Flood control and storm buffering | 6004.10 | Lao | Gerrard | 2004 |
| Flood control and storm buffering | 2428.09 | US | Leschine | 1997 |
| Flood control and storm buffering | 7356.56 | US | Leschine | 1997 |
| Flood control and storm buffering | 8536.73 | US | Leschine | 1997 |
| Flood control and storm buffering | 11.14 | US | Schultz | 2001 |
| Flood control and storm buffering | 0.67 | Mozambique | Turpie | 1999 |
| Flood control and storm buffering | 4.41 | Namibia, Botswana | Turpie | 1999 |
| Flood control and storm buffering | 1280.44 | China | Tong | 2007 |
| Flood control and storm buffering | 4268.33 | China | Tong | 2007 |
| Water quality improvement | 317.62 | Germany | Gren | 1995 |
| Water quality improvement | 12490.32 | France | ACSA | 1996 |
| Water quality improvement | 10.00 | France | ACSA | 1996 |
| Water quality improvement | 2745.53 | France | ACSA | 1996 |
| Water quality improvement | 148.07 | Lao | Gerrard | 2004 |
| Water quality improvement | 18.91 | Mozambique | Turpie | 1999 |
| Water quality improvement | 2.23 | Namibia, Botswana | Turpie | 1999 |
| Water quality improvement | 68.19 | Mozambique | Turpie | 1999 |
| **Support services** |  |  |  |  |
| Biodiversity | 20553.00 | Austria | Kosz | 1996 |
| Biodiversity | 2835.45 | Australia | Mallawaarachchi | 2001 |
| Biodiversity | 2446.00 | France | Amigues | 1998 |
| Biodiversity | 40.11 | Australia | Bennett | 2002 |
| Biodiversity | 3290.93 | UK | Garrod | 1994 |
| Biodiversity | 1844.60 | Germany | Meyerhoff | 2004 |
| Biodiversity | 0.09 | Angola | Seyam | 2001 |
| Biodiversity | 6099.26 | Germany | Hanusch | 2000 |
| Biodiversity | 1006.73 | Germany | Brauer | 2004 |
| Biodiversity | 250.11 | France | El Yousfi | 2006 |
| **Cultural services** |  |  |  |  |
| Amenity and esthetics | 3290.93 | UK | Garrod | 1994 |
| Recreational activities | 2835.45 | Australia | Mallawaarachchi | 2001 |
| Recreational activities | 1696.87 | US | Whitehead | 1991 |
| Recreational activities | 1253.14 | US | Azevedo | 2000 |
| Recreational activities | 87.10 | Italy | Marangon | 2002 |
| Recreational activities | 139.71 | Spain | Segui | 2004 |
| Recreational fishing and hunting | 1276.63 | Czech Republic | Ungerman | 1994 |
| Recreational fishing and hunting | 40.11 | Australia | Bennett | 2002 |

**5. Lacustrine**

Description: lacustrine continental wetland, permanent and seasonal; lake, ponds, body of water.

Table 1.1. Ecosystem services values provided by lacustrine (in $US 2007/ha/year)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Lacustrine** | No. obs. | Median value | S.D | Maximum value | Minimum value |
| **Provisioning services** | **8** | **478** | **1170** | **2610** | **31** |
| Support of commercial fishing | 4 | 446 | 1148 | 2563 | 16 |
| Water supply | 2 | 24 | 12 | 32 | 15 |
| Harvesting of natural materials | 2 | 8 | 10 | 15 | 0 |
| Fuel Wood |  |  |  |  |  |
| Ornamental resources |  |  |  |  |  |
| **Regulation services** | **1** | **23** | **0** | **23** | **23** |
| Local climate control |  |  |  |  |  |
| Flood control and storm buffering | 1 | 23 |  | 23 | 23 |
| Water quality improvement |  |  |  |  |  |
| **Support services** | **2** | **4,369** | **5933** | **8565** | **174** |
| Genetic resources |  |  |  |  |  |
| Biodiversity | 2 | 4,369 | 5933 | 8565 | 174 |
| **Cultural services** | **18** | **1,496** | **4721** | **13053** | **62** |
| Amenity and esthetics | 7 | 495 | 1538 | 4149 | 37 |
| Recreational activities | 7 | 896 | 3130 | 8772 | 12 |
| Recreational fishing and hunting | 4 | 105 | 53 | 132 | 14 |
| **Total** | **29** | 6,366 | **11825** | **24251** | **291** |

Table 1.2. Monetary values per ecosystem service

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ecosystem services** | **Value** | **Country** | **Reference** | |
| **Provisioning services** |  |  |  |  |
| Support of commercial fishing | 431.43 | US | Amacher | 1989 |
| Support of commercial fishing | 461.37 | Malawi | Schuyt | 2002 |
| Support of commercial fishing | 15.76 | Malawi | Schuyt | 2002 |
| Support of commercial fishing | 2562.57 | Uganda | MacLean | 2003 |
| Water supply | 15.17 | Canada | Kooten | 1992 |
| Water supply | 31.96 | Malawi | Schuyt | 2002 |
| Harvesting of natural materials | 0.33 | Malawi | Schuyt | 2002 |
| Harvesting of natural materials | 15.12 | Canada | Vuuren | 1993 |
| **Regulation services** |  |  |  |  |
| Flood control and storm buffering | 23.46 | US | Hovde | 1994 |
| **Support services** |  |  |  |  |
| Biodiversity | 173.98 | France | Desaigues | 1991 |
| Biodiversity | 8564.70 | France | Dabat | 1998 |
| **Cultural services** |  |  |  |  |
| Amenity and esthetics | 388.26 | US | Carman | 1992 |
| Amenity and esthetics | 4149.46 | Australia | Gerrans | 1994 |
| Amenity and esthetics | 494.55 | Netherlands | Groot | 1998 |
| Amenity and esthetics | 1417.84 | Netherlands | Groot | 1998 |
| Amenity and esthetics | 36.65 | Canada | Kreutzwiser | 1981 |
| Amenity and esthetics | 2513.18 | Canada | Kreutzwiser | 1981 |
| Amenity and esthetics | 67.53 | US | Roberts | 1997 |
| Recreational activities | 11.66 | Thailand | Dixon | 1990 |
| Recreational activities | 28.22 | US | Hovde | 1994 |
| Recreational activities | 8771.98 | US | Azevedo | 2000 |
| Recreational activities | 1681.48 | Netherlands | Groot | 1998 |
| Recreational activities | 1520.56 | Kenya | Navrud | 1994 |
| Recreational activities | 895.98 | Kenya | Navrud | 1994 |
| Recreational activities | 86.99 | France | Desaigues | 1991 |

**A.2. Primary studies per continent**

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