

| Ocean basin          | CAM4   |         | GEOS-Chem <sup>a</sup> |         | IMPACT |         | TM4-ECPL |         | Ensemble |         |
|----------------------|--------|---------|------------------------|---------|--------|---------|----------|---------|----------|---------|
|                      | TFe    | LFFe    | TFe                    | LFFe    | TFe    | LFFe    | TFe      | LFFe    | TFe      | LFFe    |
| North Atlantic       | 4.914  | 0.202   | 6.407                  | 0.109   | 7.541  | 0.065   | 3.903    | 0.057   | 5.07     | 0.096   |
| South Atlantic       | 0.681  | 0.043   | 2.067                  | 0.017   | 4.414  | 0.014   | 0.455    | 0.012   | 1.677    | 0.02    |
| North Pacific        | 1.084  | 0.057   | 1.653                  | 0.041   | 0.972  | 0.021   | 3.075    | 0.054   | 1.496    | 0.038   |
| South Pacific        | 0.111  | 0.007   | 1.114                  | 0.01    | 2.337  | 0.014   | 0.49     | 0.012   | 0.867    | 0.009   |
| Indian               | 3.658  | 0.076   | 3.818                  | 0.049   | 6.911  | 0.09    | 1.33     | 0.027   | 3.644    | 0.055   |
| Mediterranean        | 1.596  | 0.019   | 2.664                  | 0.043   | 4.005  | 0.021   | 0.234    | 0.004   | 1.95     | 0.018   |
| Baltic Sea           | 0.011  | 0.001   | 0.011                  | < 0.001 | 0.017  | < 0.001 | 0.014    | < 0.001 | 0.011    | < 0.001 |
| Black & Caspian seas | 0.342  | 0.006   | 0.398                  | 0.005   | 0.966  | 0.009   | 0.15     | 0.001   | 0.439    | 0.005   |
| Hudson Bay           | 0.003  | < 0.001 | 0.006                  | < 0.001 | 0.003  | < 0.001 | 0.018    | < 0.001 | 0.007    | < 0.001 |
| Arctic (> 66° N)     | 0.127  | 0.008   | 0.142                  | 0.001   | 0.063  | 0.001   | 0.411    | 0.004   | 0.162    | 0.003   |
| Southern (> 60° S)   | 0.010  | 0.001   | 0.030                  | < 0.001 | 0.058  | < 0.001 | 0.051    | < 0.001 | 0.031    | < 0.001 |
| Global ocean         | 12.538 | 0.419   | 18.31                  | 0.275   | 27.287 | 0.235   | 10.131   | 0.173   | 15.354   | 0.246   |