

## Testudines

### FEMALE BREEDS ANNUALLY - Do females reproduce every year?

| Species                           | Common Name                      | Female Breeds Annually  |
|-----------------------------------|----------------------------------|---|
| <b>Cheloniidae</b>                | <b>sea turtles</b>               |   |
| <i>Caretta c. caretta</i>         | Atlantic loggerhead              | N - in the United States, nesting has occurred at one-to-seven-year intervals (Richardson et al. 1978)  |
| <i>Chelonia m. mydas</i>          | Atlantic green turtle            | N- most female <i>C. m. mydas</i> nest every third year and others commonly either the second or fourth year (Wood and Wood 1980)               |
| <i>Eretmochelys i. imbricata</i>  | Atlantic hawksbill               | N - nesting usually occurs at intervals of two to three (1-6) years (Carr et al. 1966; Pritchard and Trebbau 1984; Márquez 1990)                |
| <i>Lepidochelys kempii</i>        | Kemp's ridley or Atlantic ridley | Y/N - females return to the nesting beaches every one to three years, with most ovipositing annually or every two years (Ernst et al. 1994)     |
| <b>Dermochelyidae</b>             | <b>leatherback sea turtles</b>   |   |
| <i>Dermochelys c. coriacea</i>    | Atlantic leatherback             | N female leatherbacks have a multiyear nesting interval, usually returning to the beaches to oviposit every two or three years (Pritchard 1971) |
| <b>Chelydridae</b>                | <b>snapping turtles</b>          |   |
| <i>Chelydra s. serpentina</i>     | eastern snapping turtle          | Unk whether all mature females lay each year is not known (Ernst et al. 1994)   |
| <b>Emydidae</b>                   | <b>pond turtles</b>              |   |
| <i>Chrysemys p. picta</i>         | eastern painted turtle           | Y - in Quebec, 80% females aged 7-11 or older will reproduce annually (Christens and Bider 1986)  |
| <i>Chrysemys p. marginata</i>     | midland painted turtle           | Y - in Quebec, 80% females aged 7-11 or older will reproduce annually (Christens and Bider 1986)  |
| <i>Clemmys guttata</i>            | spotted turtle                   | N (Litzgus and Brooks 1998)   |
| <i>Clemmys insculpta</i>          | wood turtle                      | N (Ross et al. 1991)  |
| <i>Clemmys muhlenbergii</i>       | bog turtle                       | N - not all adult bog turtles mate every year (Holub and Bloomer 1977)  |
| <i>Deirochelys r. reticularia</i> | eastern chicken turtle           | Y (Ernst et al. 1994)   |

|                                     |                                  |   |
|-------------------------------------|----------------------------------|---|
| <i>Emydoidea blandingii</i>         | Blanding's turtle                | N not all sexually mature females nest in a given year (Ernst et al. 1994)                            |
| <i>Graptemys geographica</i>        | northern map turtle              | Y (Ernst et al. 1994)   |
| <i>Graptemys ouachitensis</i>       | Ouachita map turtle              | Y (Webb 1961; Vogt 1980)  |
| <i>Malaclemys terrapin terrapin</i> | northern diamond-backed terrapin | Y (Lazell 1979)   |
| <i>Pseudemys c. concinna</i>        | eastern river cooter             | Y (Ernst et al. 1994)   |
| <i>Pseudemys c. floridana</i>       | coastal plain cooter             | Y (Jackson 1988a)   |
| <i>Pseudemys rubriventris</i>       | northern red-bellied cooter      | Y (Ernst et al. 1994)   |
| <i>Terrapene c. carolina</i>        | eastern box turtle               | Y (Riemer 1981), with up to 5 clutches (Tucker et al. 1978)   |
| <i>Trachemys s. scripta</i>         | yellow-bellied slider            | Unk   |
| <i>Trachemys s. elegans</i>         | red-eared slider                 | Unk   |
| <i>Trachemys s. troosti</i>         | cumberland slider                | Unk   |
| <b>Kinosternidae</b>                | <b>mud and musk turtles</b>      |   |
| <i>Kinosternon s. subrubrum</i>     | eastern mud turtle               | Y/N - about 75% of the females in a population reproduce each year (Gibbons 1983; Frazer et al. 1991) |
| <i>Kinosternon baurii</i>           | striped mud turtle               | Unk   |
| <i>Sternotherus minor peltifer</i>  | stripeneck musk turtle           | Unk   |
| <i>Sternotherus odoratus</i>        | stinkpot or common musk turtle   | Unk   |
| <b>Trionychidae</b>                 | <b>softshell turtles</b>         |   |
| <i>Apalone m. mutica</i>            | midland smooth softshell         | Unk   |
| <i>Apalone s. spinifera</i>         | eastern spiny softshell          | Unk   |

**Female Breeds Annually Codes:** Y = yes, N = no, Unk = unknown