Testudines

PHILOPATRIC - Are adults strongly philopatric?

Species	Common Name	Philopatric
Cheloniidae	**sea turtles**	
Caretta c. caretta	Atlantic loggerhead	Y/N - numerous records confirm that female *Caretta* returns to the same beach to nest several times during its lifetime (Dodd 1988); most females return to the same beach during successive seasons, but some do not possess such strong site fidelity and nest elsewhere (Bjorndal and Meylan 1983; LeBuff 1974, 1990)
Chelonia m. mydas	Atlantic green turtle	Y - females show a high degree of nest site fidelity, renesting on the same beach at least 70% of the time (Mortimer and Portier 1989)
Eretmochelys i. imbricata	Atlantic hawksbill	N/Y - nest fidelity is not standardized within a season, as some females seek other beaches for subsequent oviposition, but a greater degree of site-fixety is exhibited between nesting seasons (Bjorndal et al. 1985)
Lepidochelys kempii	Kemp's ridley or Atlantic ridley	Y - females return to the nesting beaches every one to three years (Ernst et al 1994)
Dermochelyidae	**leatherback sea turtles**	
Dermochelys c. coriacea	Atlantic leatherback	Y/N - during the internesting period many females remain close to the nesting beach…but others may stray away and lay their next clutch on another beach (Ernst et al. 1994)
Chelydridae	**snapping turtles**	
Chelydra s. serpentina	eastern snapping turtle	Y/N - most females return to the same site year after year, but some switch sites with differing regularity (Ernst et al. 1994)
Emydidae	**pond turtles**	
Chrysemys p. picta	eastern painted turtle	Y (Cagle 1944)
Chrysemys p. marginata	midland painted turtle	Y (Cagle 1944)
Clemmys guttata	spotted turtle	Y (Ernst 1968a)

Clemmys insculpta	wood turtle	Y - individuals may show perennial hibernacula fidelity (Garber 1989); homing abilities (Ernst et al. 1994)
Clemmys muhlenbergii	bog turtle	Y (Holub and Bloomer 1977)
Deirochelys r. reticularia	eastern chicken turtle	Unk
Emydoidea blandingii	Blanding's turtle	Y/N - eight of 11 Michigan females…showed nest site fidelity, but other females nested up to 1.3 km from previous nest sites (Congdon et al. 1983)
Graptemys geographica	northern map turtle	Unk
Graptemys ouachitensis	Ouachita map turtle	Unk
Malaclemys terrapin terrapin	northern diamond-backed terrapin	Y/N - site fidelity in some S.C. salt marshes…individuals found within a few meters from year to year (Lovich and Gibbons 1990)
Pseudemys c. concinna	eastern river cooter	Unk
Pseudemys c. floridana	coastal plain cooter	Unk
Pseudemys rubriventris	northern red-bellied cooter	Unk
Terrapene c. carolina	eastern box turtle	Y - the same hibernaculum may be used in successive winters (Ernst et al. 1994)
Trachemys s. scripta	yellow-bellied slider	Unk
Trachemys s. elegans	red-eared slider	Unk
Trachemys s. troosti	cumberland slider	Unk
Kinosternidae	**mud and musk turtles**	
Kinosternon s. subrubrum	eastern mud turtle	Unk
Kinosternon baurii	striped mud turtle	F- to home ponds and terrestrial retreats (Mitchell 1994)
Sternotherus minor peltifer	stripeneck musk turtle	Unk
Sternotherus odoratus	stinkpot or common musk turtle	Y/N - Williams (1952) studied homing ability…and 15 of 50 animals showed site fidelity by returning to close proximity of original capture (Ernst et al. 1994)
Trionychidae	**softshell turtles**	
Apalone m. mutica	midland smooth softshell	Unk
Apalone s. spinifera	eastern spiny softshell	Unk

Philopatric Codes: Y = yes, N = no, Unk = unknown