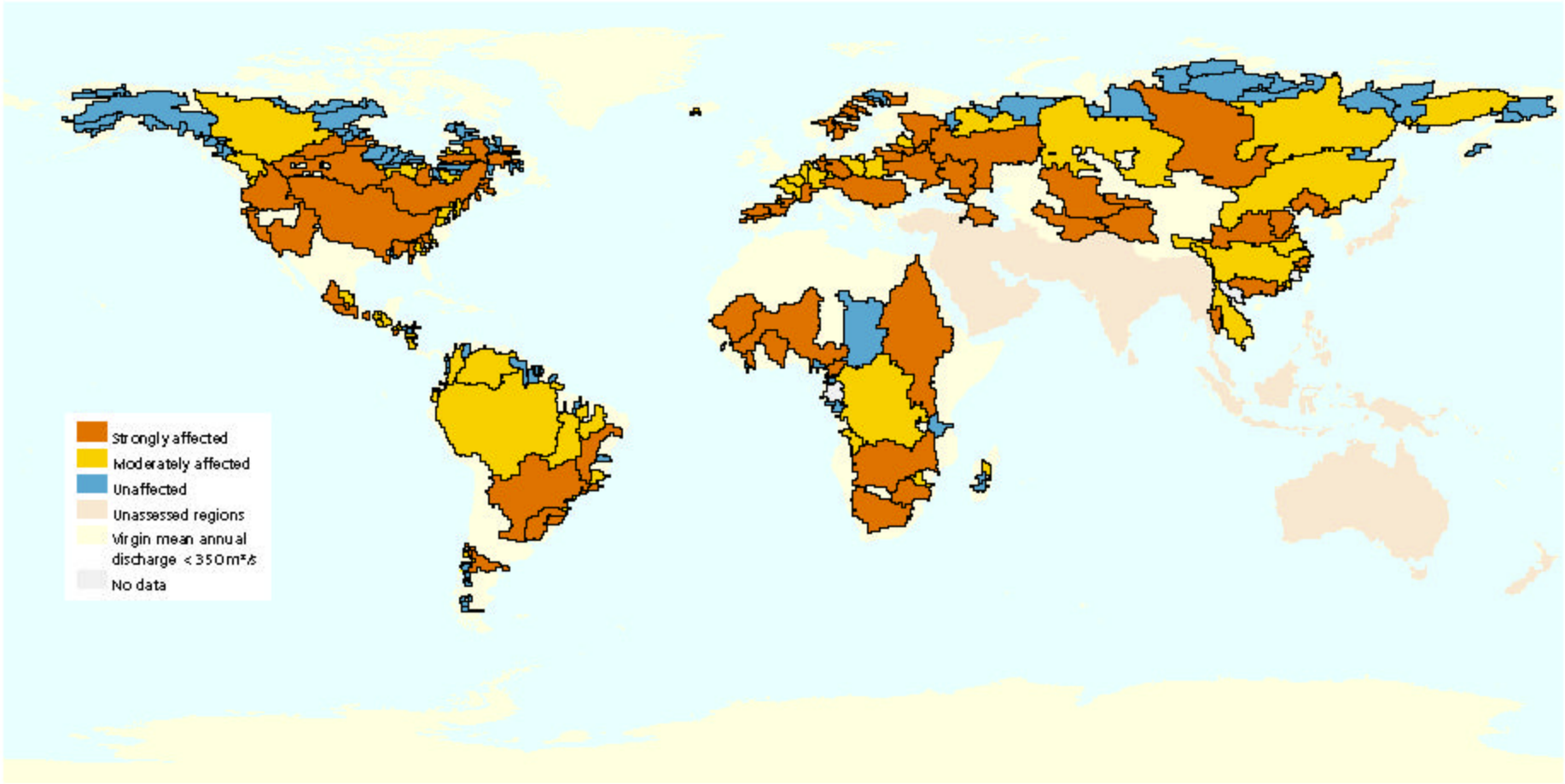
Map 1

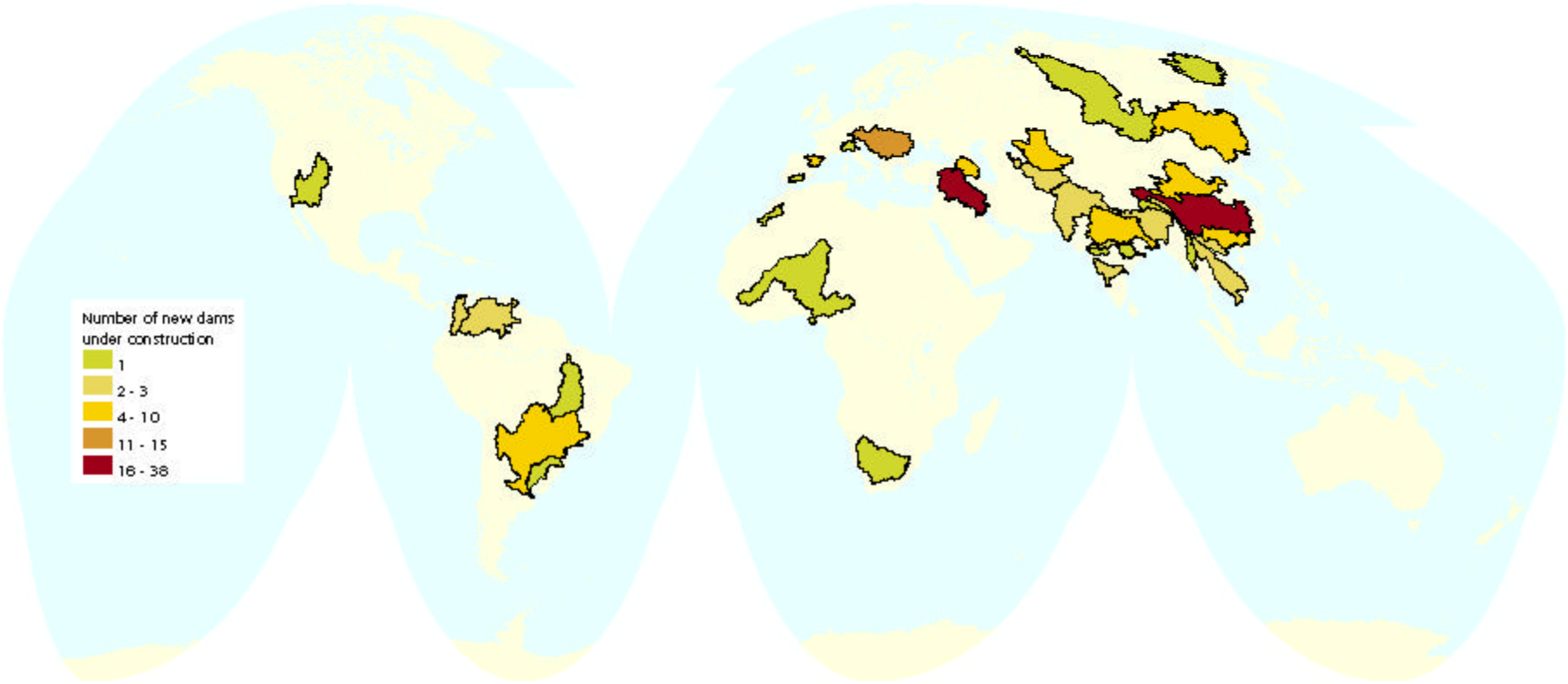
River Channel Fragmentation and Flow Regulation



Source: Dynesius and Nilsson, 1994 and Nilsson et al., 2000. Watershed boundaries are from Fekete et al., 1999.
Projection: Geographic

Map 2

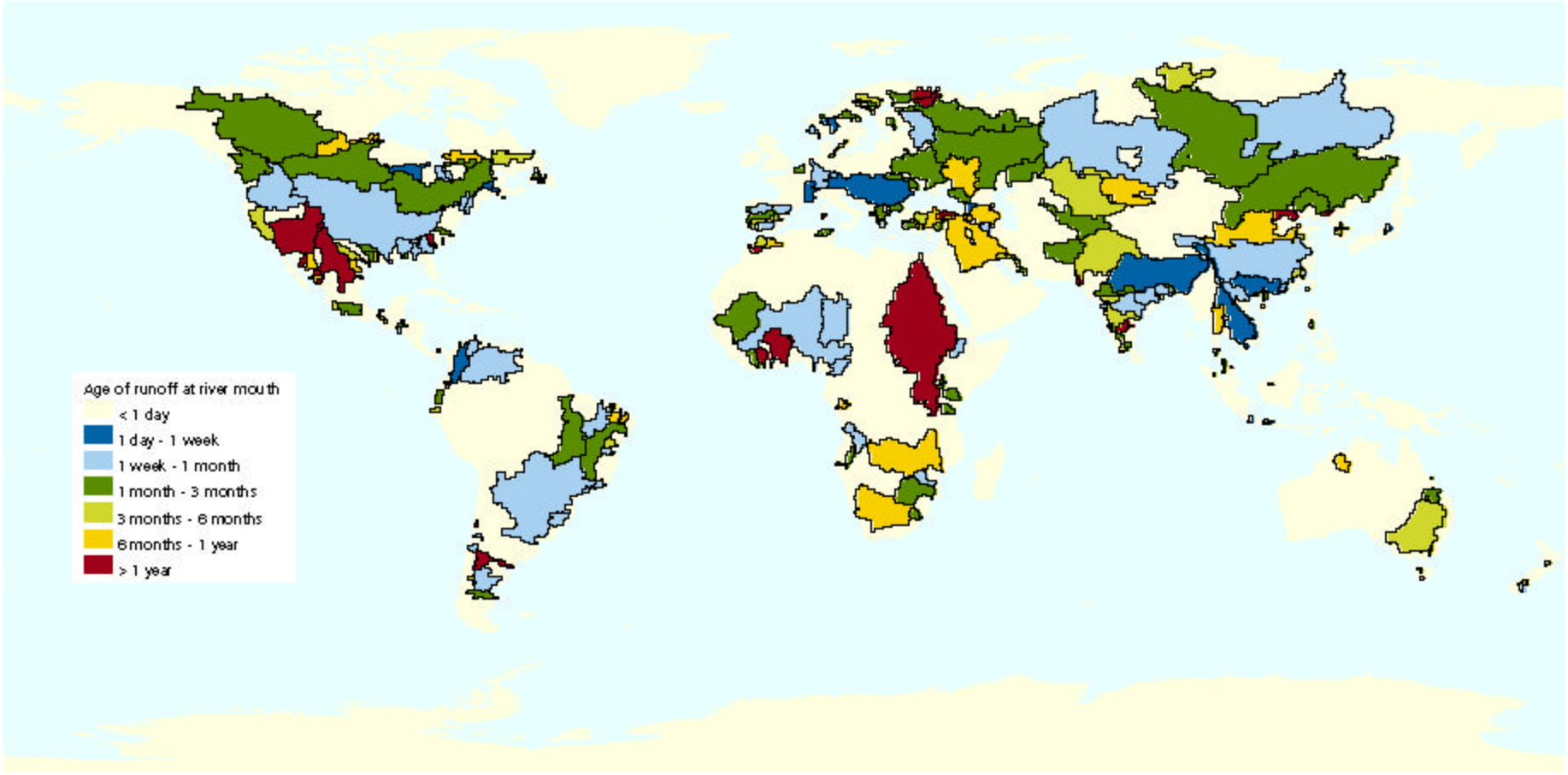
Large Dams under Construction by River Basin as of 1998



Source: UHD, 1998. Watershed boundaries are from Revenga et al., 1998.
Projection: Interrupted Goode's Homolosine
Note: Only major river basins are shown on this map.

Map 3

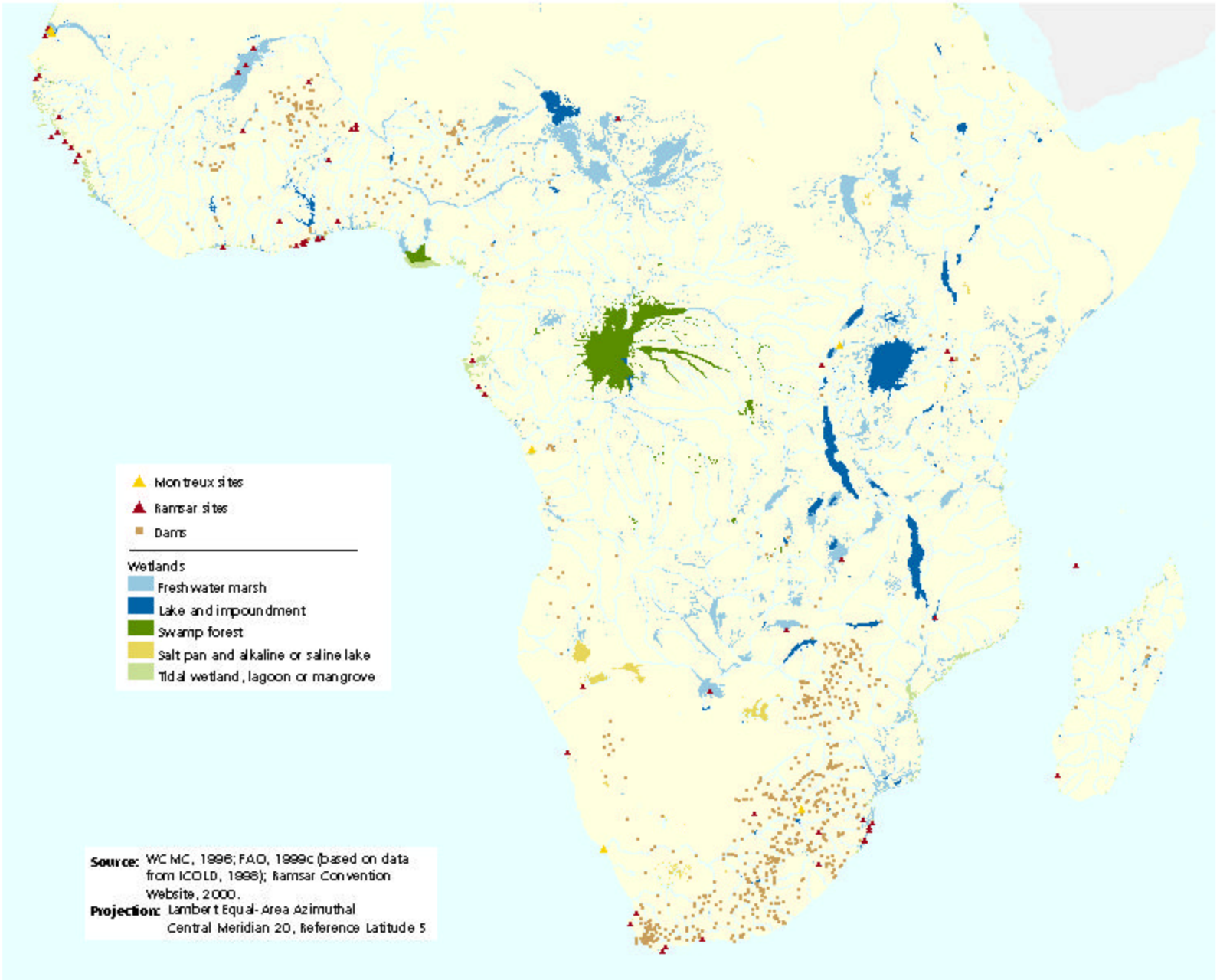
Residence Time of Continental Runoff by River Basin



Source: Vörösmarty et al. 1997a. Watershed boundaries are from Fekete et al., 1999.
Projection: Geographic

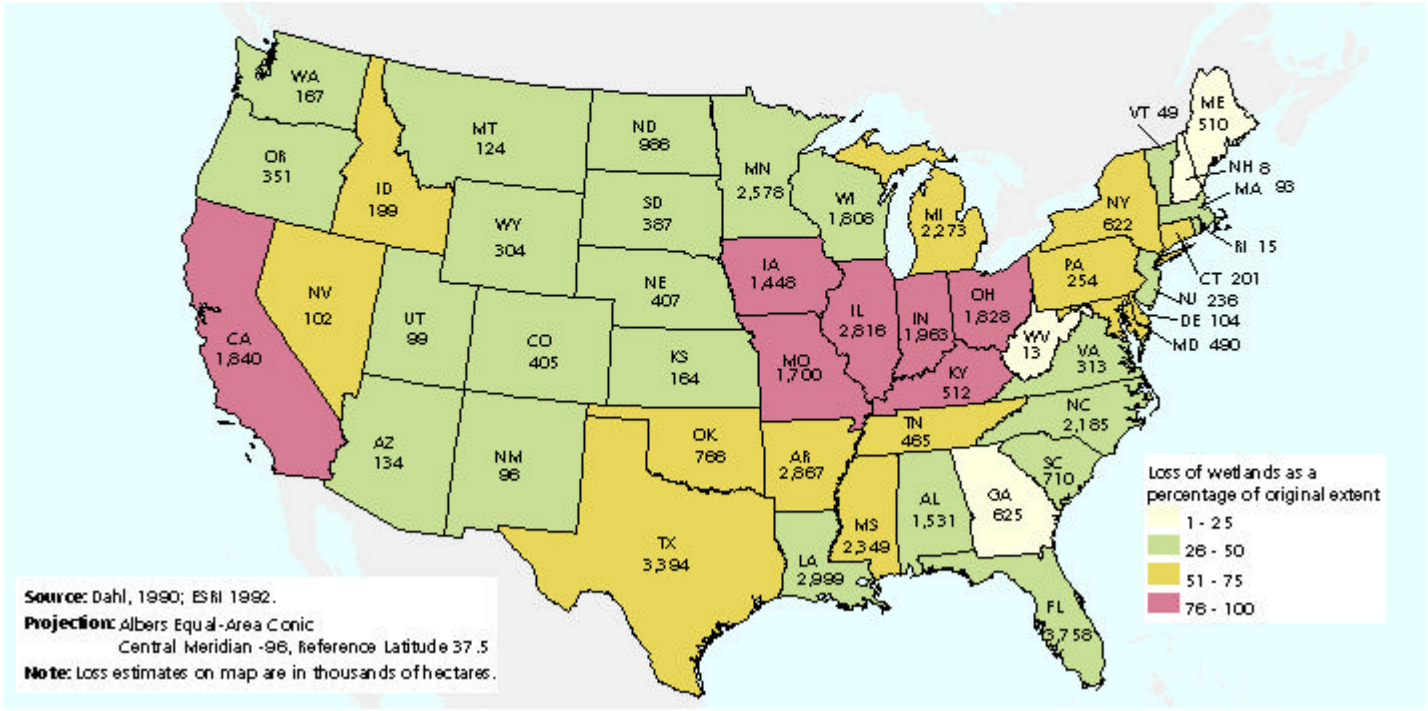
Map 4

Africa: Wetlands, Dams, and Ramsar Sites



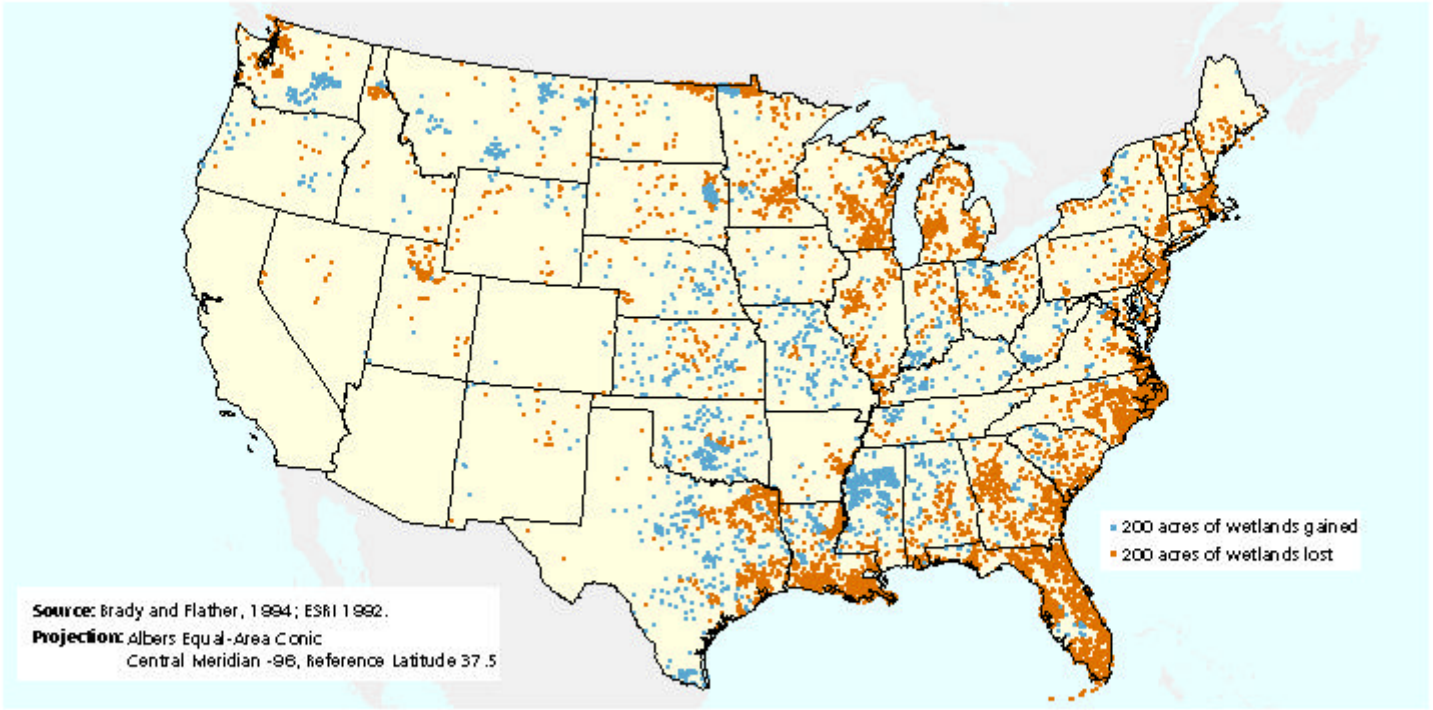
Map 5a

USA: Historical Wetland Loss by State, 1780s - 1980s



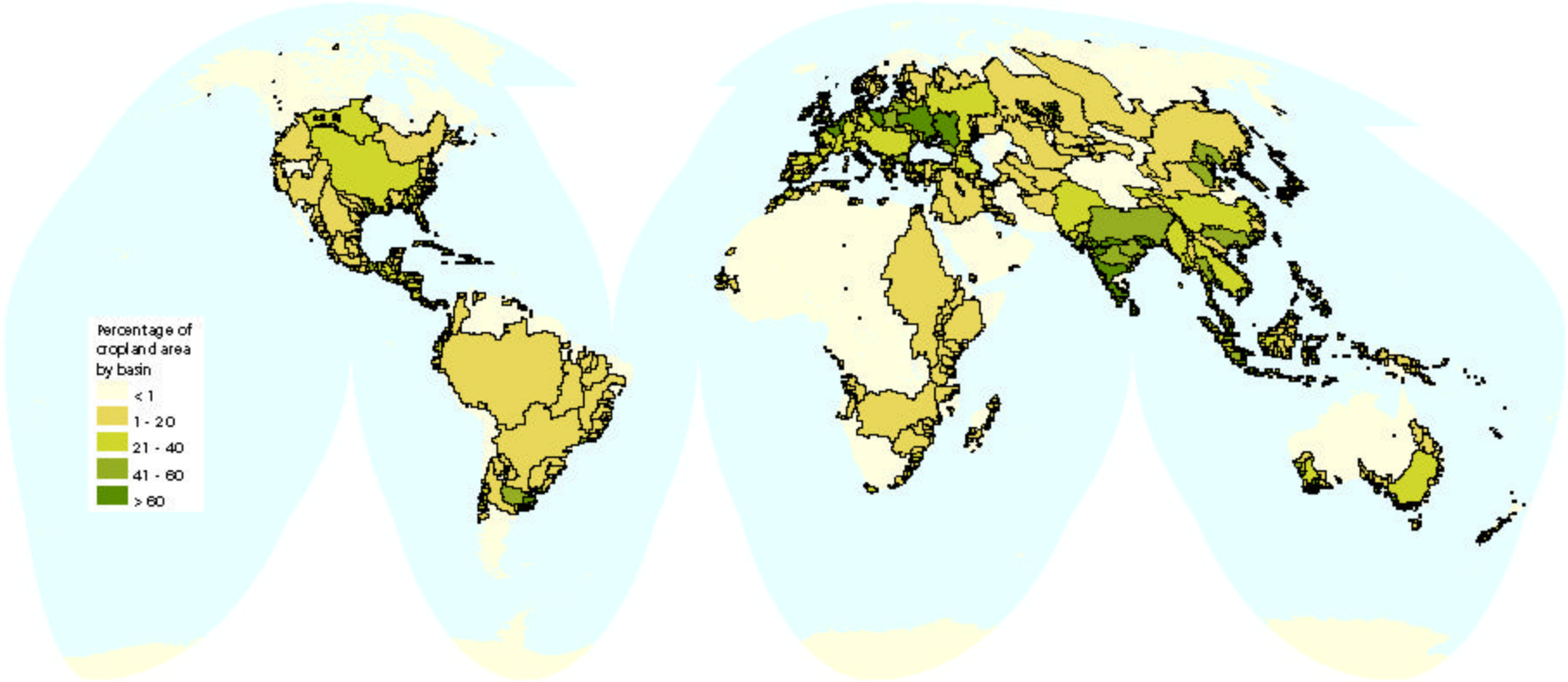
Map 5b

USA: Net Change in Wetland Area, 1982 - 92



Map 6

Percentage of Cropland Area by River Basin

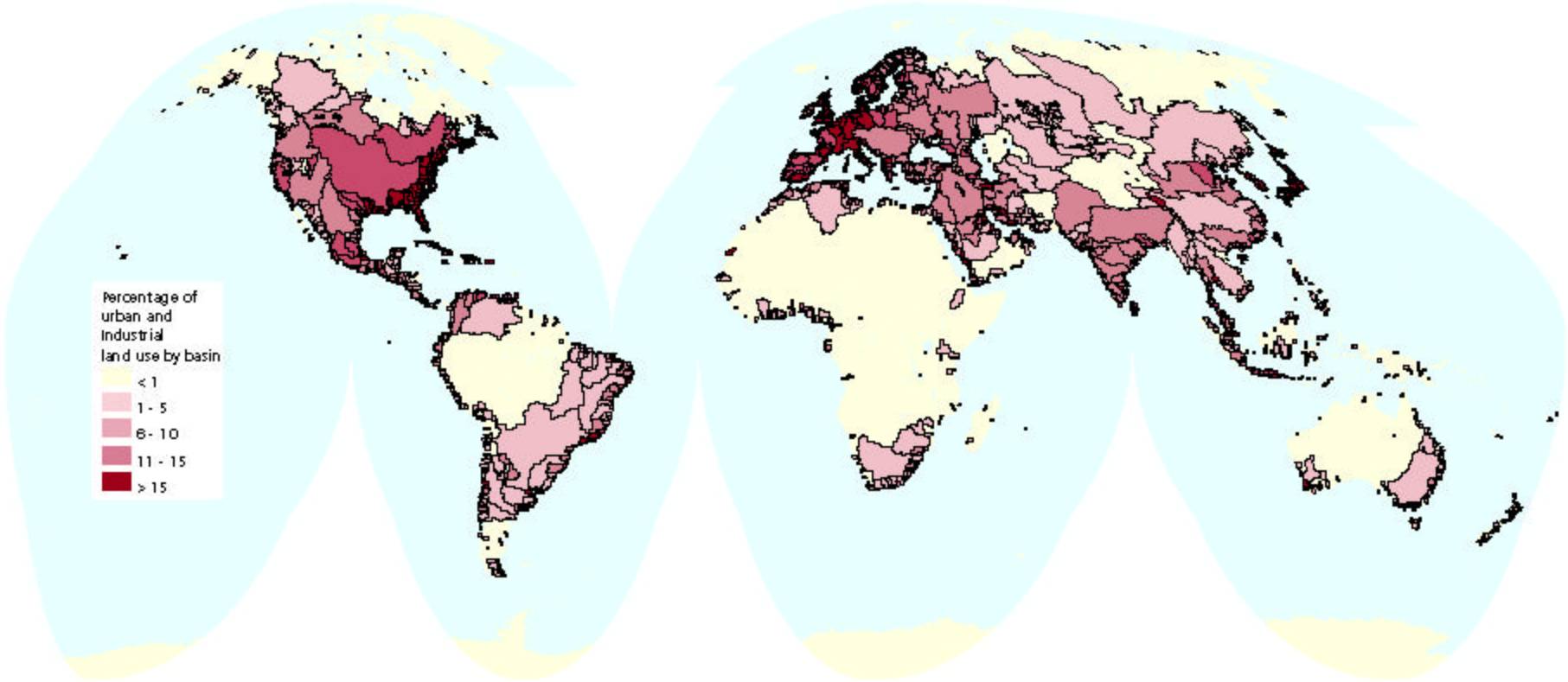


Source: GLCCD, 1998. Watershed boundaries are from Fekete et al., 1999.

Projection: Interrupted Goode's Homolosine

Map 7

Percentage of Urban and Industrial Land Use by River Basin

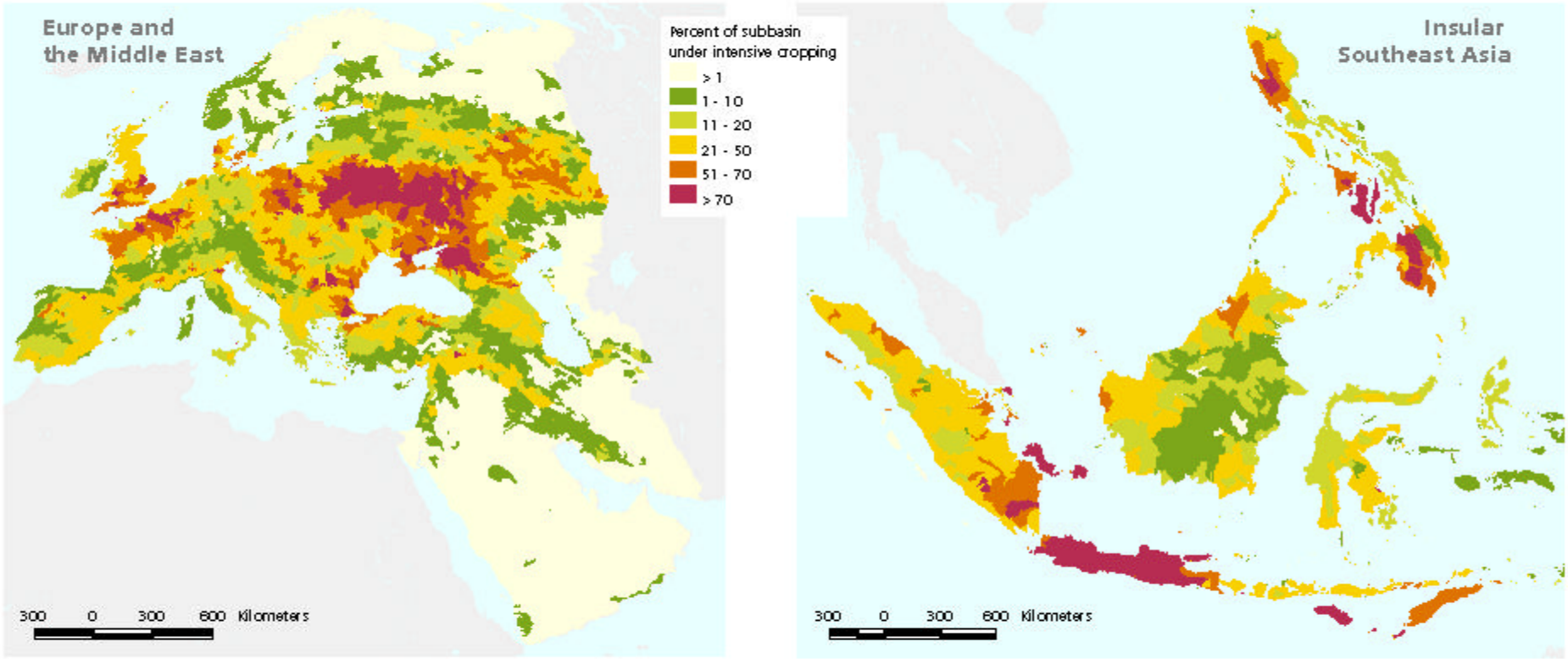


Source: NOAA/NGDC, 1998. Watershed boundaries are from Fekete et al., 1999.

Projection: Interrupted Goode's Homolosine

Maps 8a and 8b

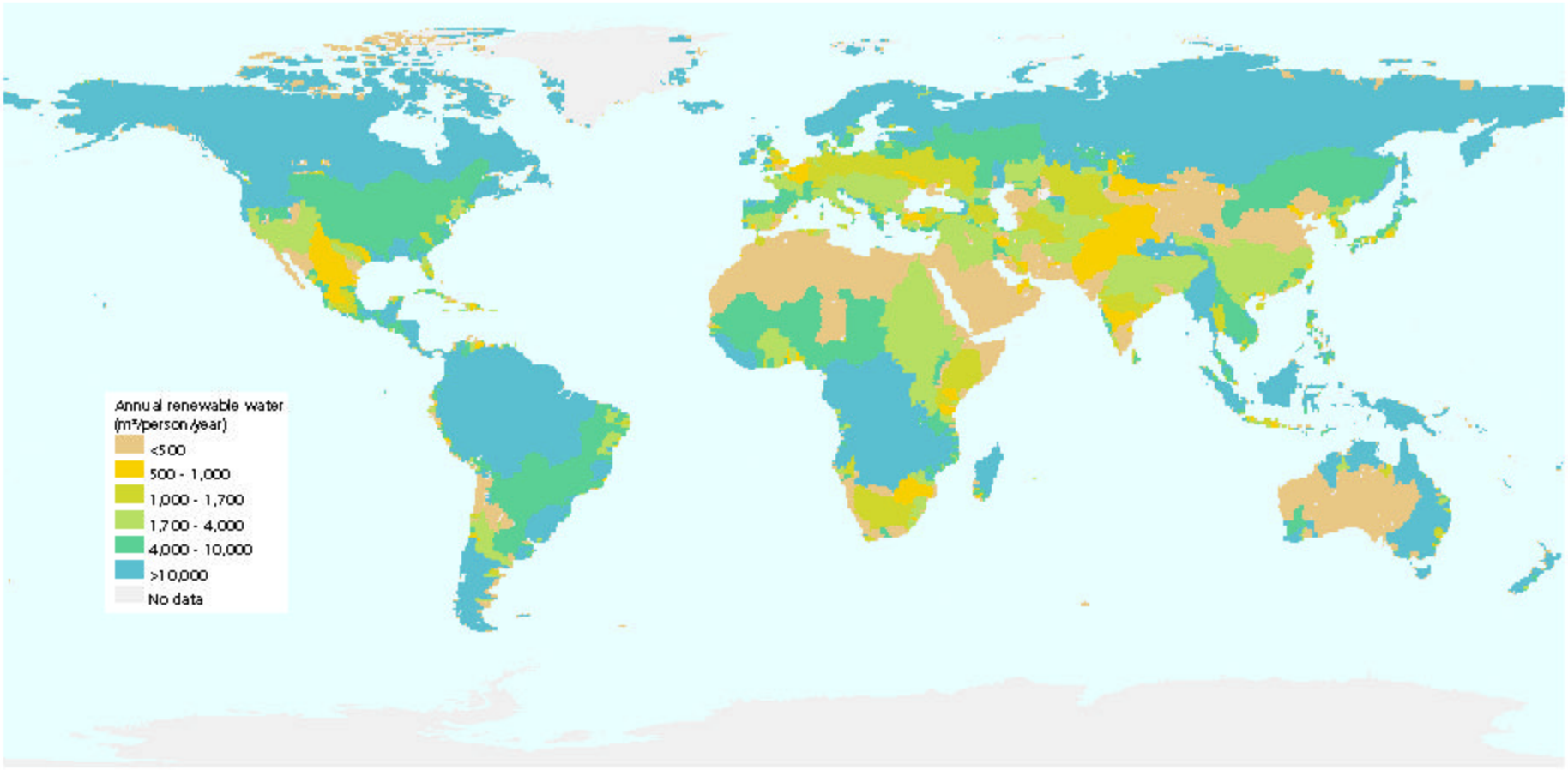
Intensive Agricultural Land Use by Subbasin



Source: GLCCD, 1998. Watershed boundaries are from EDC 1999.
Projection: Interrupted Goode's Homolosine

Map 9

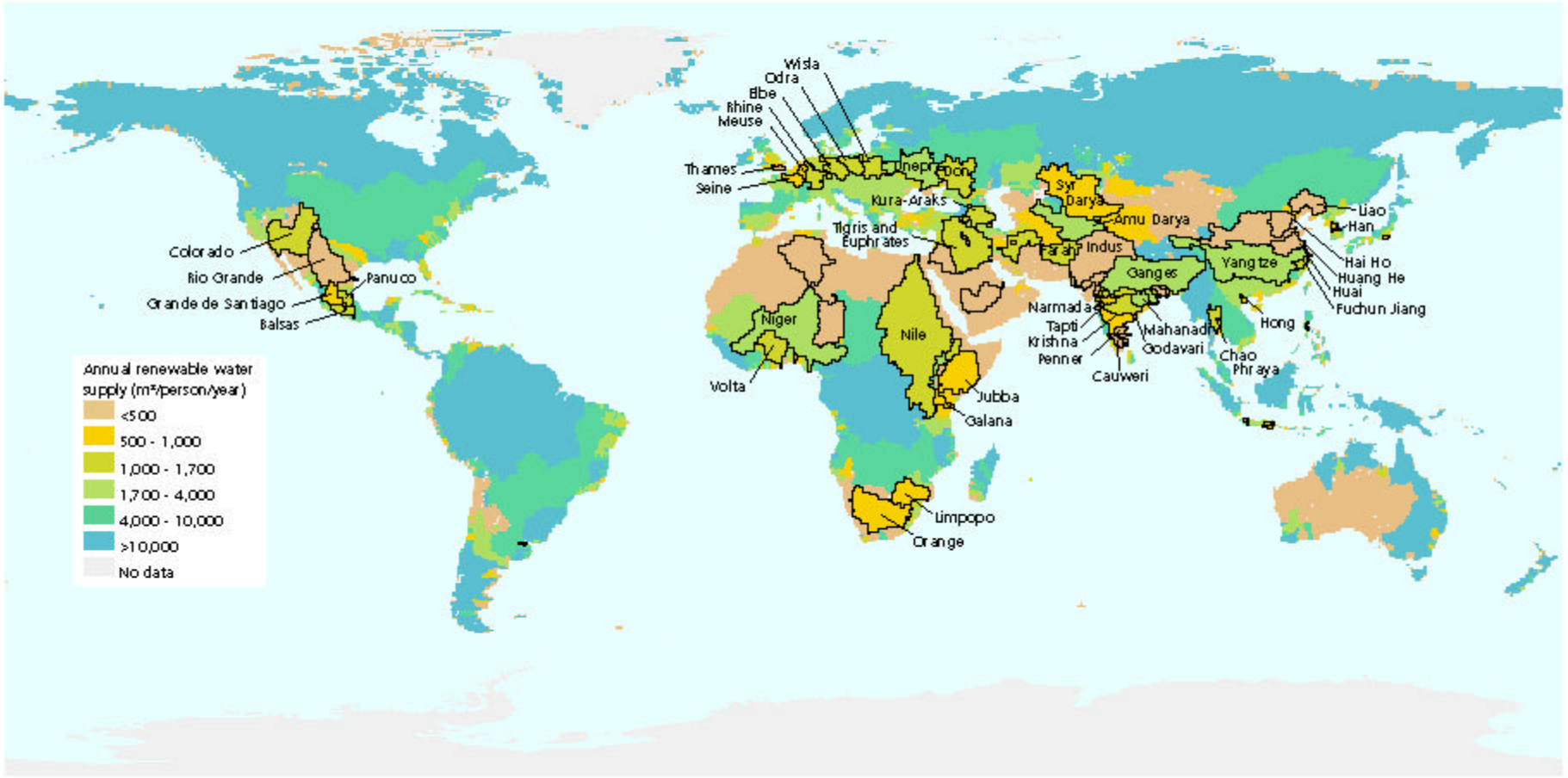
Annual Renewable Water Supply Per Person by River Basin, 1995



Source: CIESIN et al., 2000; Fekete et al., 1999.
Projection: Geographic

Map 10

Projected Annual Renewable Water Supply Per Person by River Basin, 2025



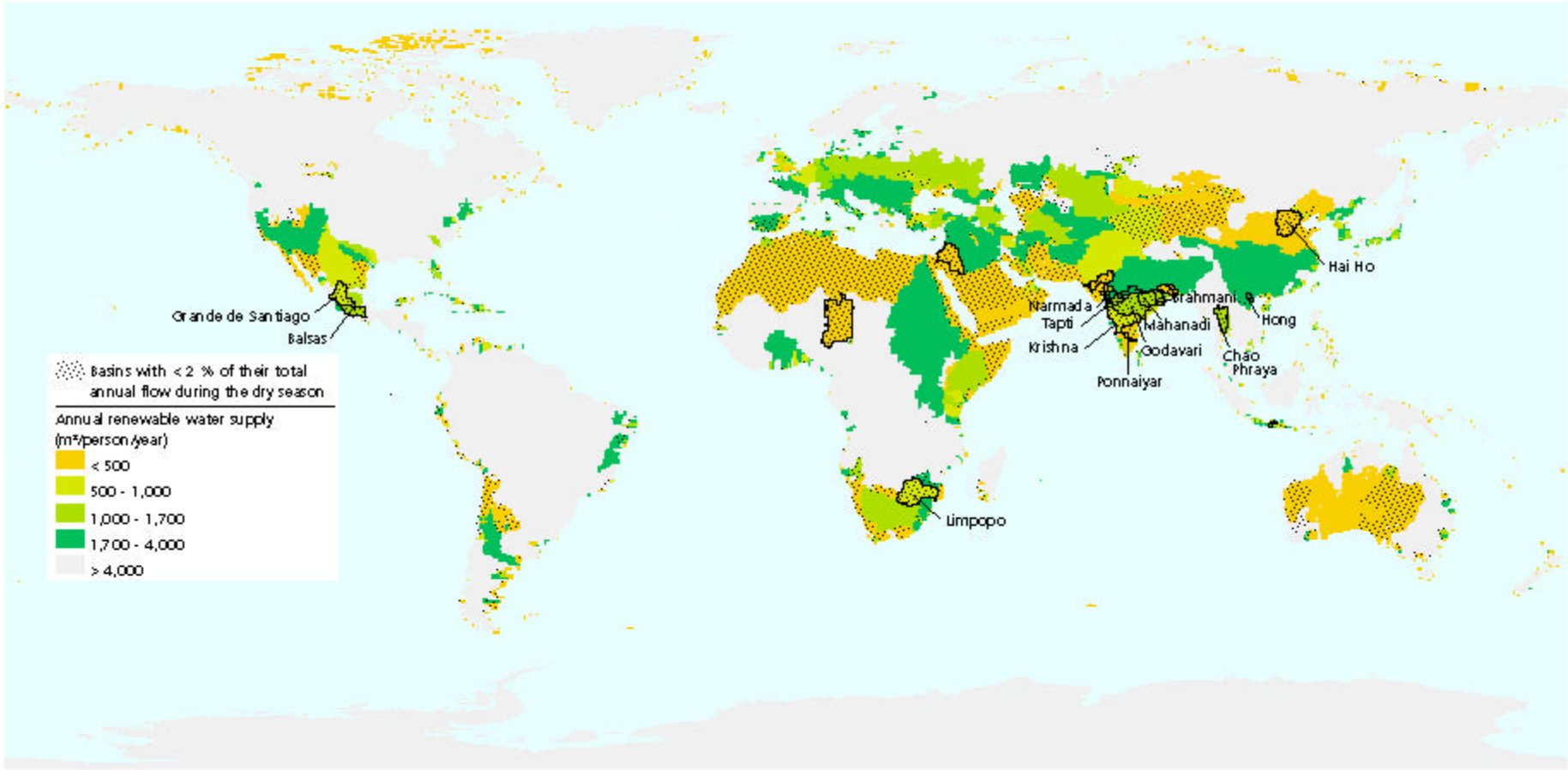
Source: CIESIN et al., 2000; Fekete et al., 1999.

Projection: Geographic

Note: Outlined basins are projected to have a population of more than 10,000,000 people in 2025. These basins are also in or approaching water scarcity, with less than 2,500 m³ of water per person per year. Unlabeled, outlined basins in Africa and the Middle East have no perennial river flowing through them.

Map 11

Annual Renewable Water Supply and Dry Season Flow by River Basin



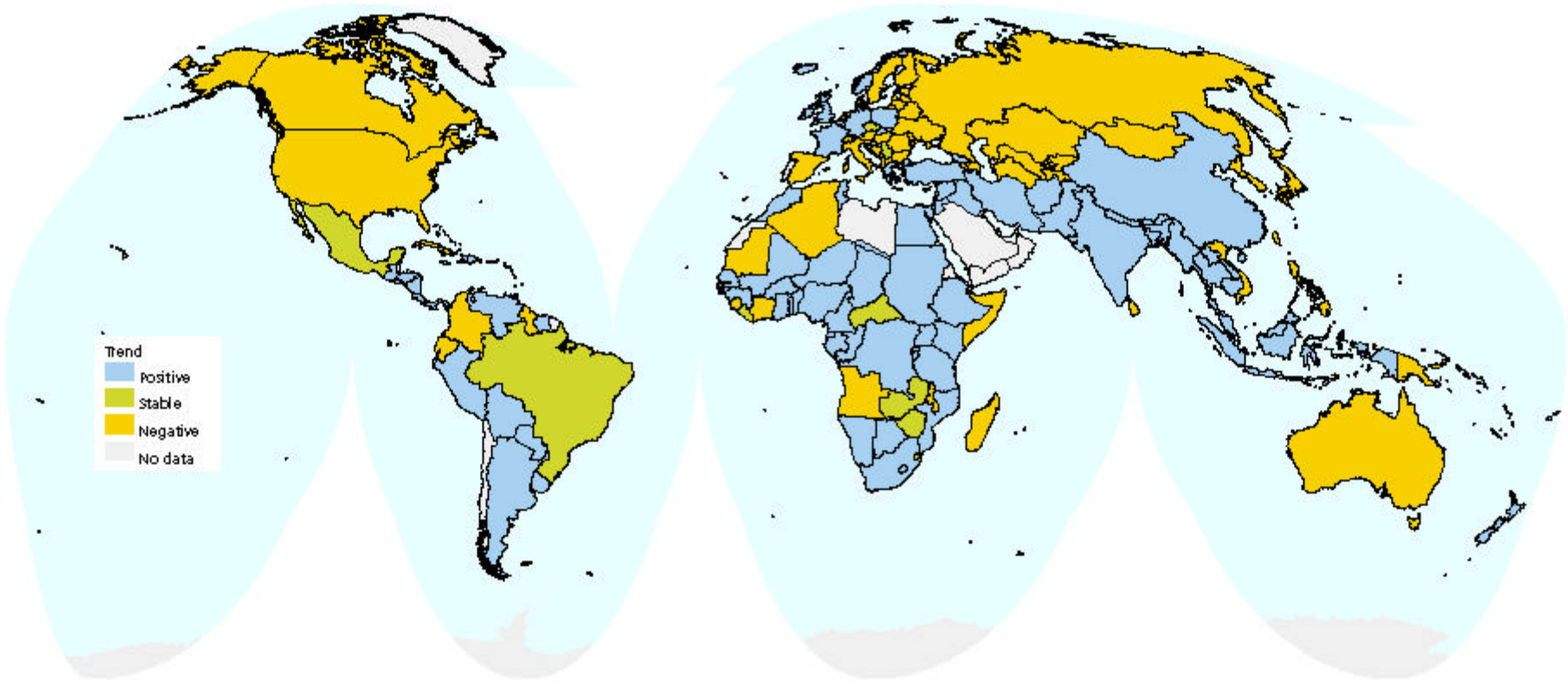
Source: Fekete et al., 1999; CIESIN et al., 2000.

Projection: Geographic

Note: Outlined, labeled basins are those which have both less than 2 percent of their total annual flow during the dry season and an estimated 1995 population of greater than 10,000,000 people. Outlined, unlabeled basins in Africa and the Middle East meet the above conditions, but have no perennial river flowing through them.

Map 12

Trends in Inland Capture Fisheries by Country, 1984 - 97

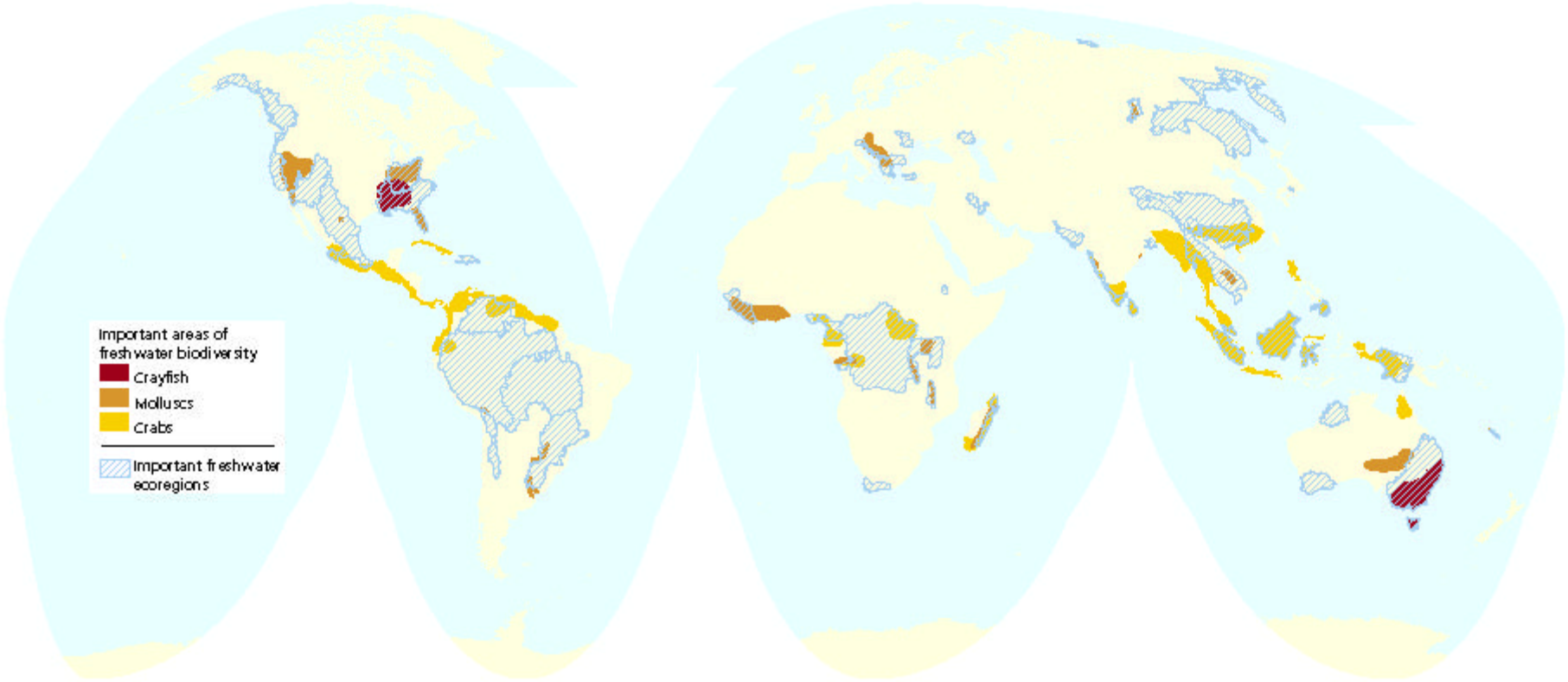


Source: FAO, 1998a; ESRI, 1998.

Projection: Interrupted Goode's Homolosine

Map 13

Important Areas and Ecoregions for Freshwater Biodiversity



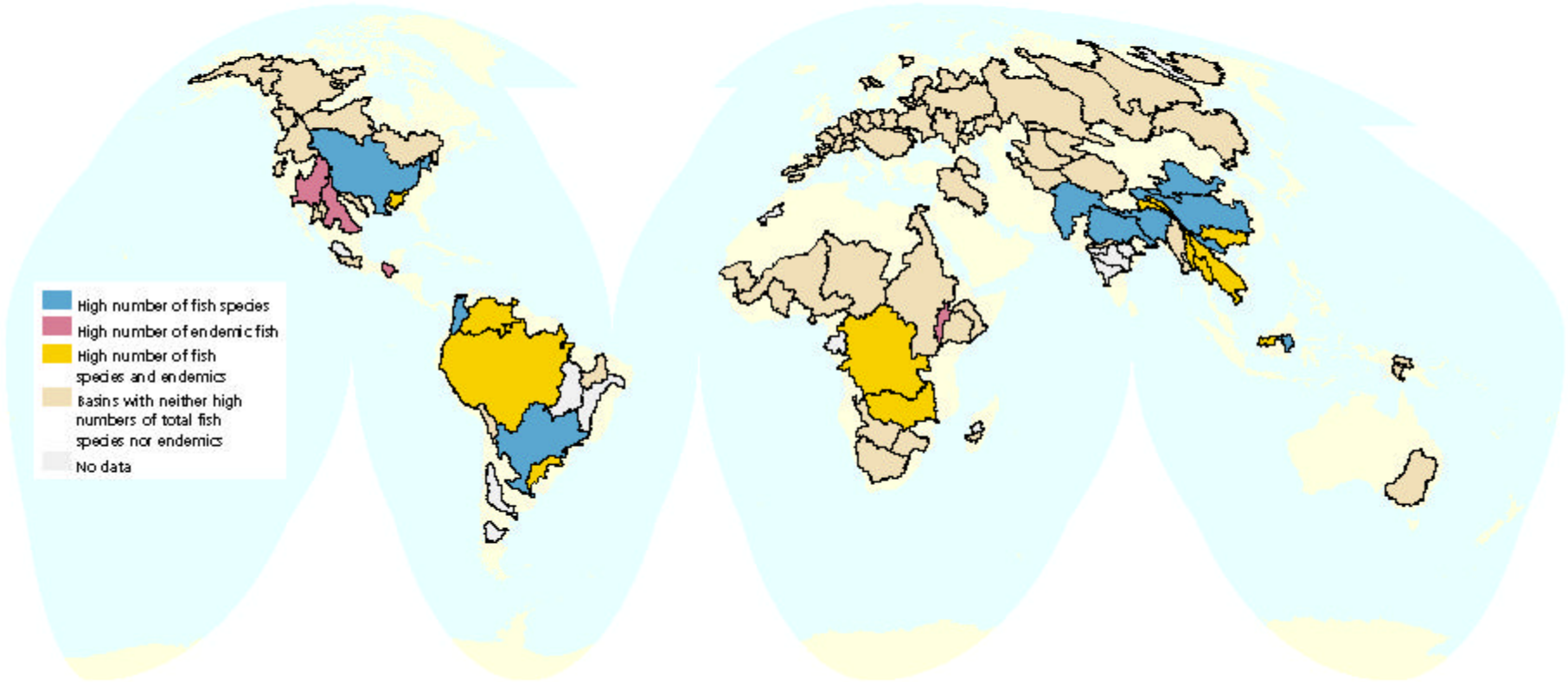
Source: Olson and Dinerstein, 1998; Goombridge and Jenkins, 1998.

Projection: Interrupted Goode's Homolosine

Note: Important areas for molluscs, crayfish, and crabs are from Goombridge and Jenkins (1998) based on data provided by P. Bouchet, O. Gargominy, A. Borgan, W. Ponder, K. Crandall, N. Cumberlidge, R. von Sternberg, D. Belk, and the IUCN/Species Survival Commission Inland Water Crustacean and Mollusc Specialist Groups.

Map 14

Fish Species Richness and Endemism by River Basin

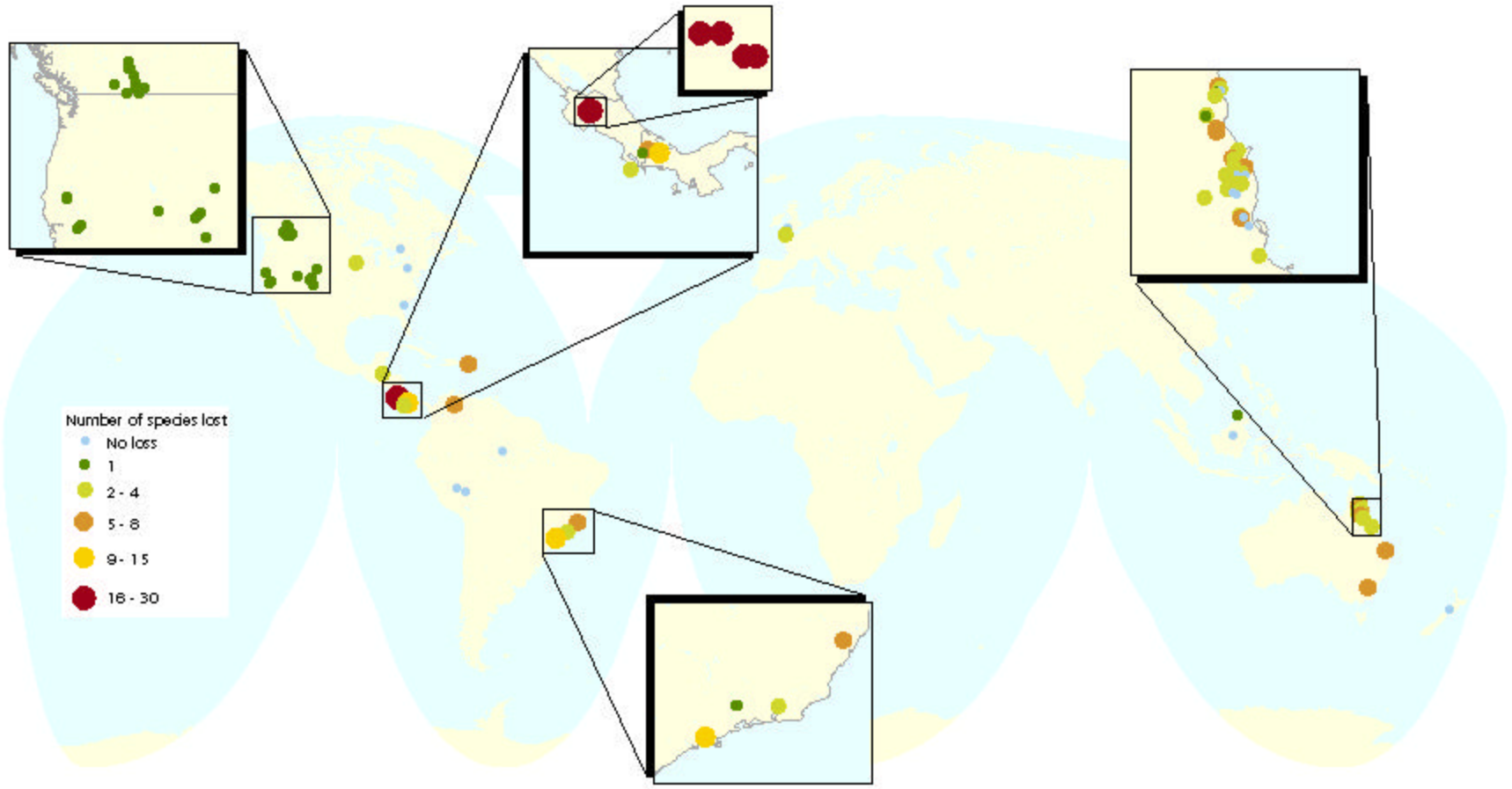


Source: Revenga et al., 1998.

Projection: Interrupted Goode's Homolosine

Map 15

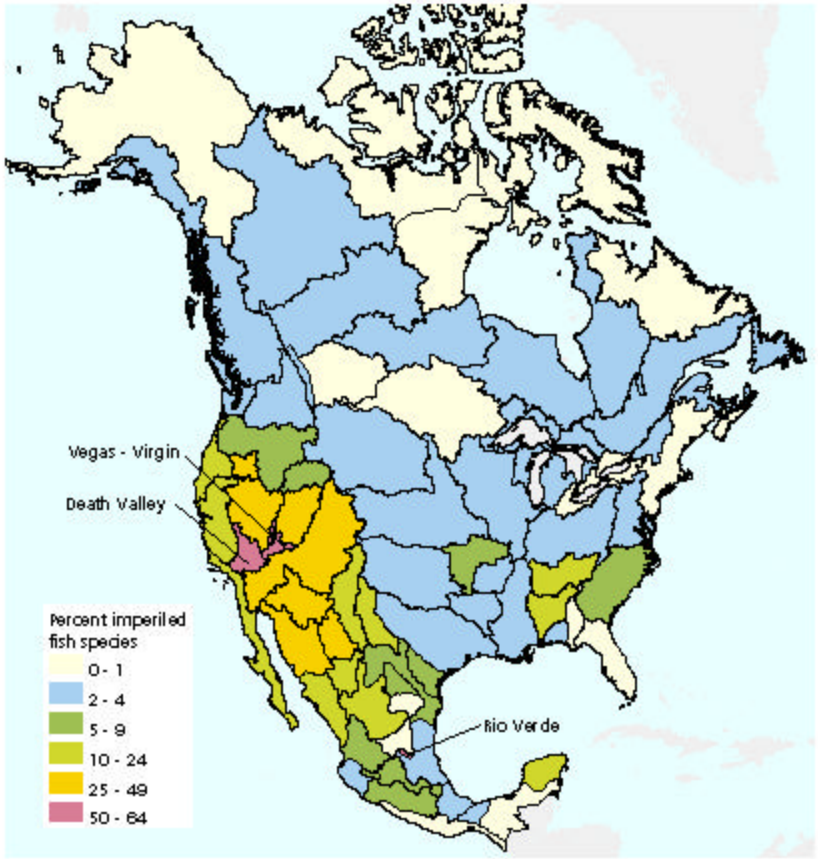
Amphibian Census Sites and Decline Index

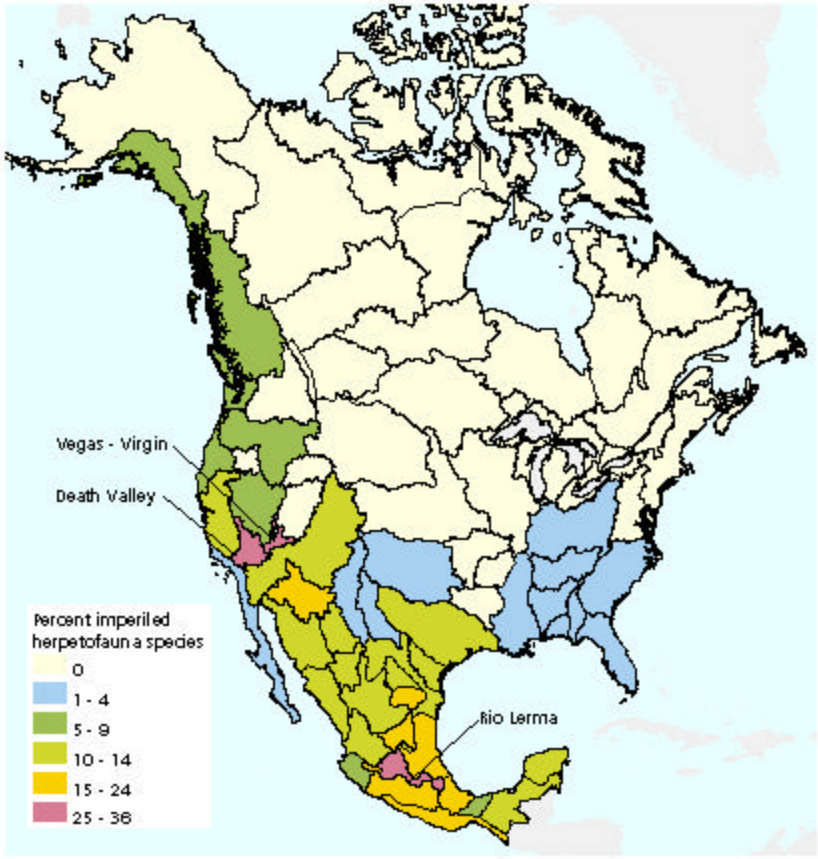


Sources: Carey et al., 2000.
Projection: Interrupted Goode's Homolosine

Map 16

Imperiled Fish and Herpetofauna in North American Freshwater Ecoregions

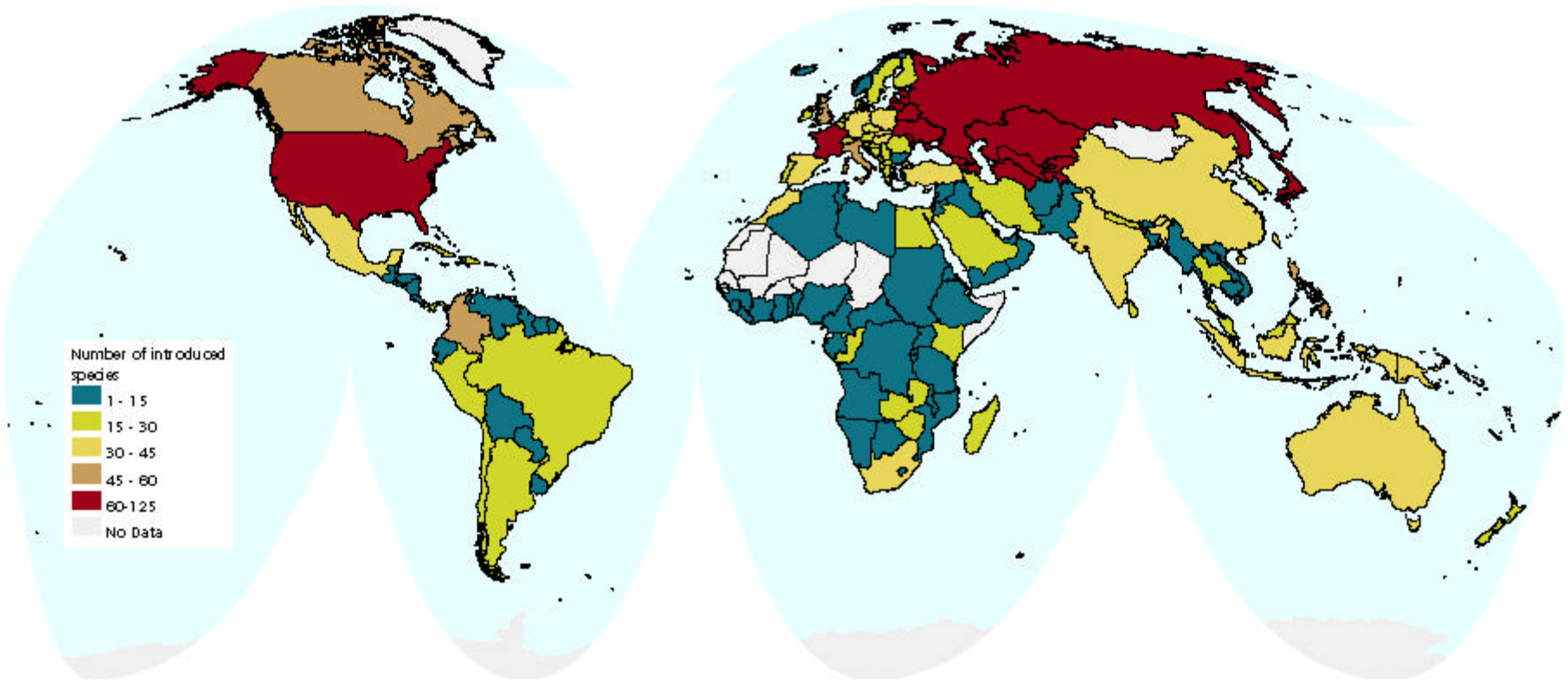




Source: Abell et al., 2000; The Nature Conservancy, 1997; Williams et al., 1989; CONABIO, 1998; Gonzales et al., 1995.
Projection: Lambert Conformal Conic
Central Meridian -96, Reference Latitude 40

Map 17

Number of Species Introductions into Inland Waters by Country



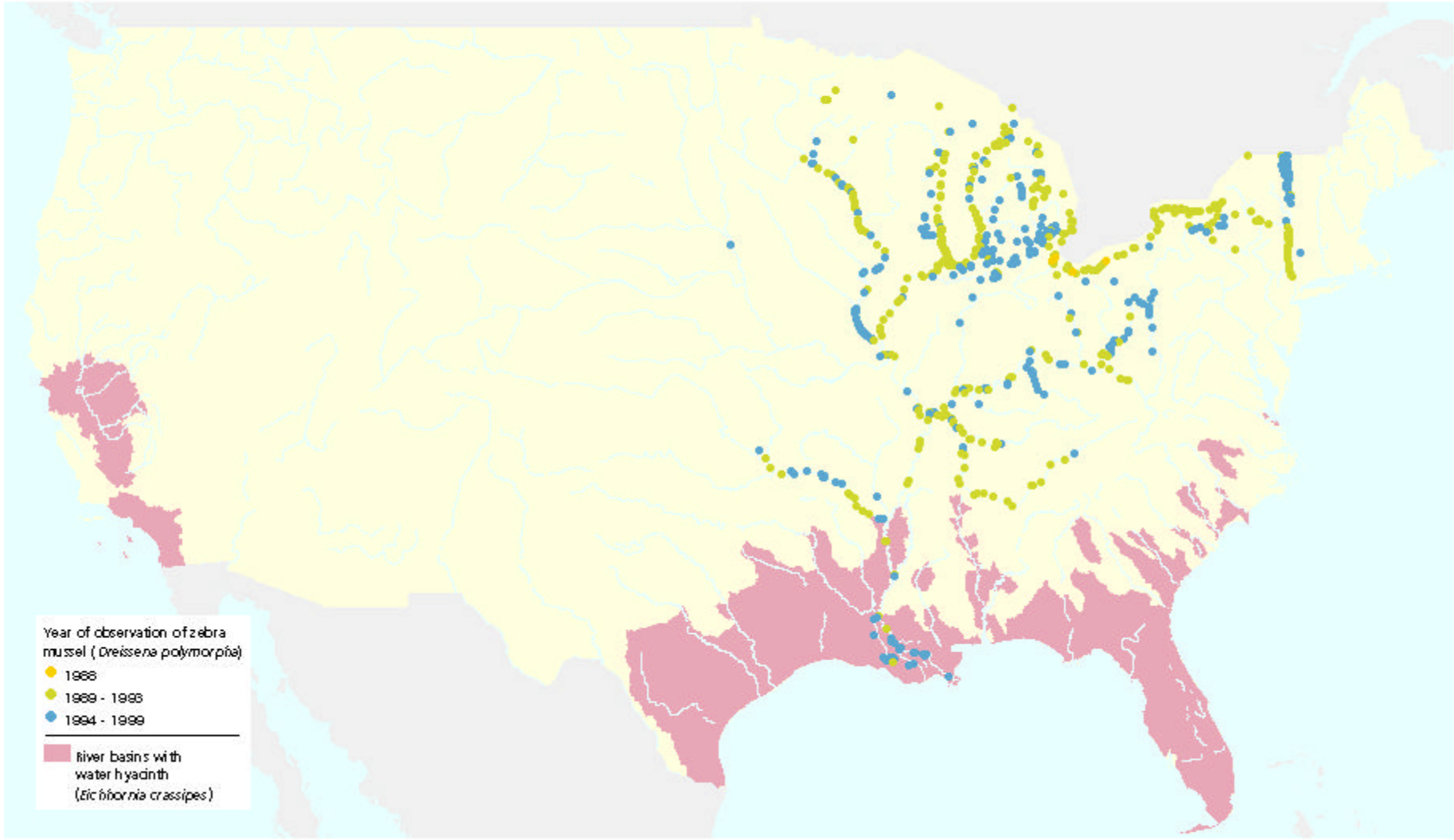
Source: DIAS, 2000; ESRI, 1998.

Projection: Interrupted Goode's Homolosine

Notes: Species introduced into large bodies of water adjoining more than one country (e.g. Black Sea, Caspian Sea, Great Lakes, Lake Kariba) are not included. Due to data limitations, values for the former Yugoslavia, Czechoslovakia and U.S.S.R are shown, rather than for the independent republics. Recent estimates of species introductions for the independent republics are: Armenia, 1; Croatia, 7; Estonia, 18; Georgia, 4; Kazakhstan, 5; Latvia, 1; Lithuania, 2; Russia, 13; Slovenia, 2; Turkmenistan, 1; Ukraine, 10; and Uzbekistan, 18. Azerbaijan, Belarus, Kyrgystan, Macedonia, Moldova, Montenegro, Serbia, Tajikistan, and Bosnia and Herzegovina have no records.

Map 18

Zebra Mussel Expansion and Water Hyacinth Presence in the United States



Source: USGS Zebra Mussel and Invasive Species Websites, 2000.

Projection: Interrupted Goode's Homolosine