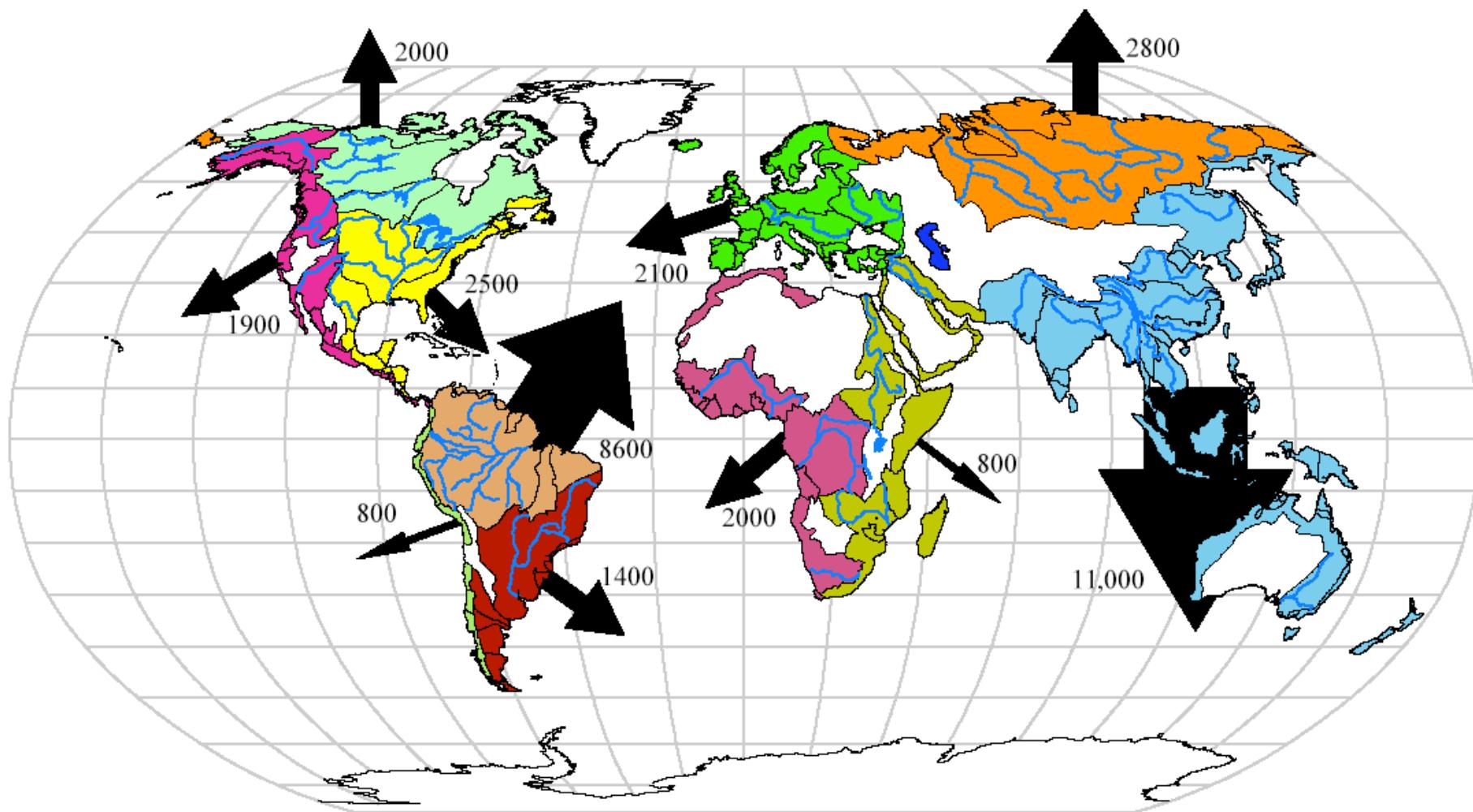
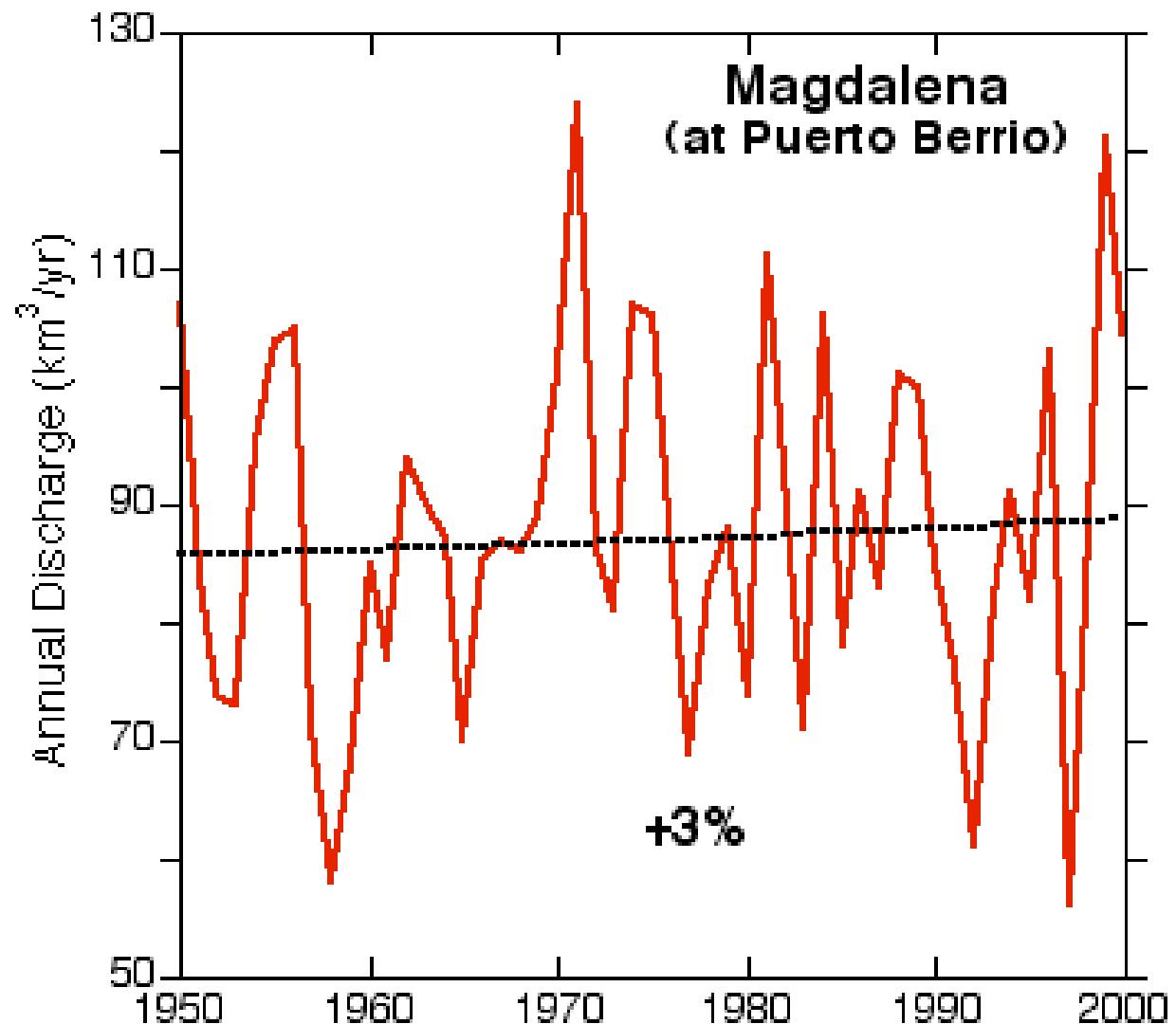


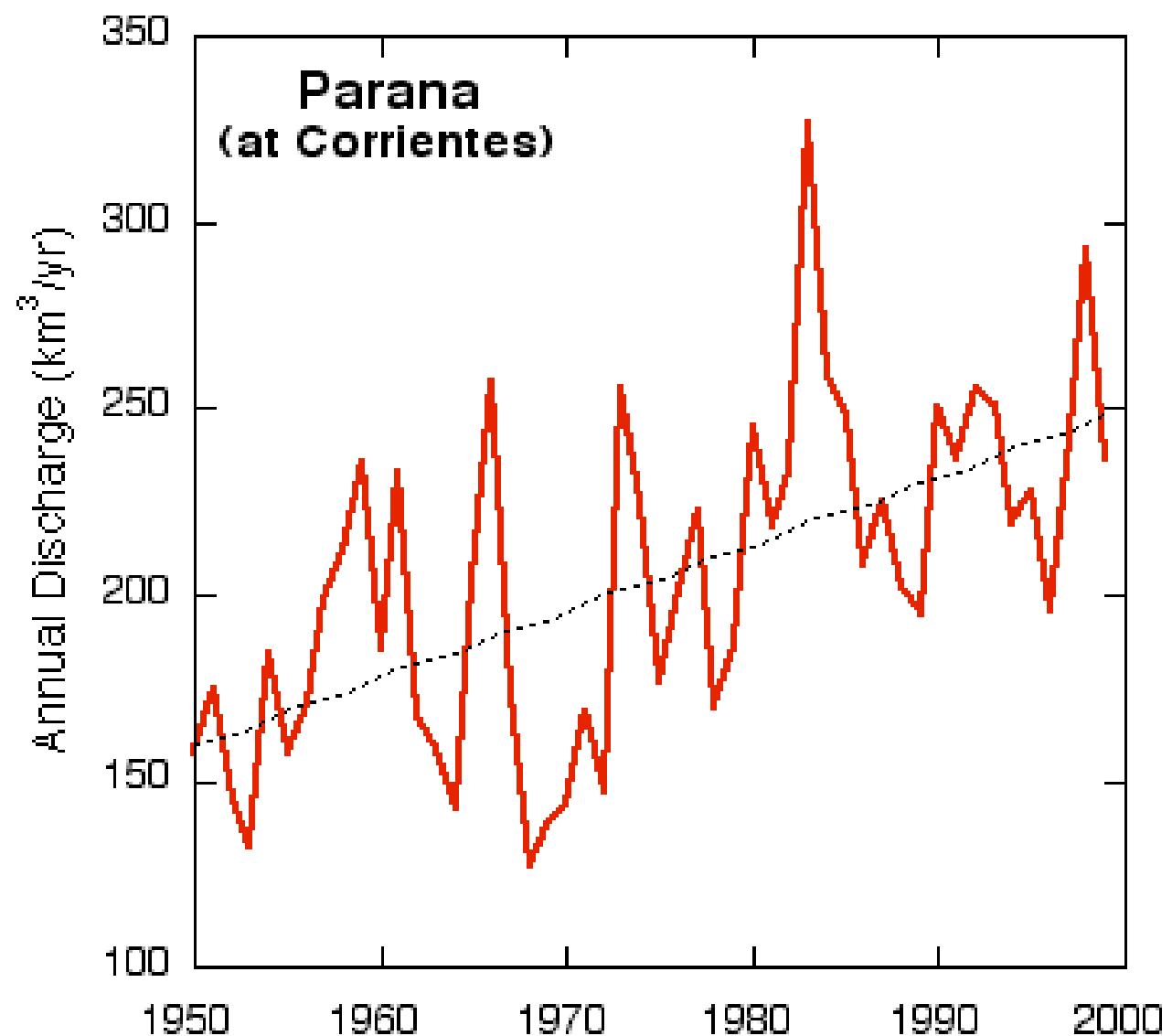
River Discharge to the Coastal Ocean: A Global Analysis

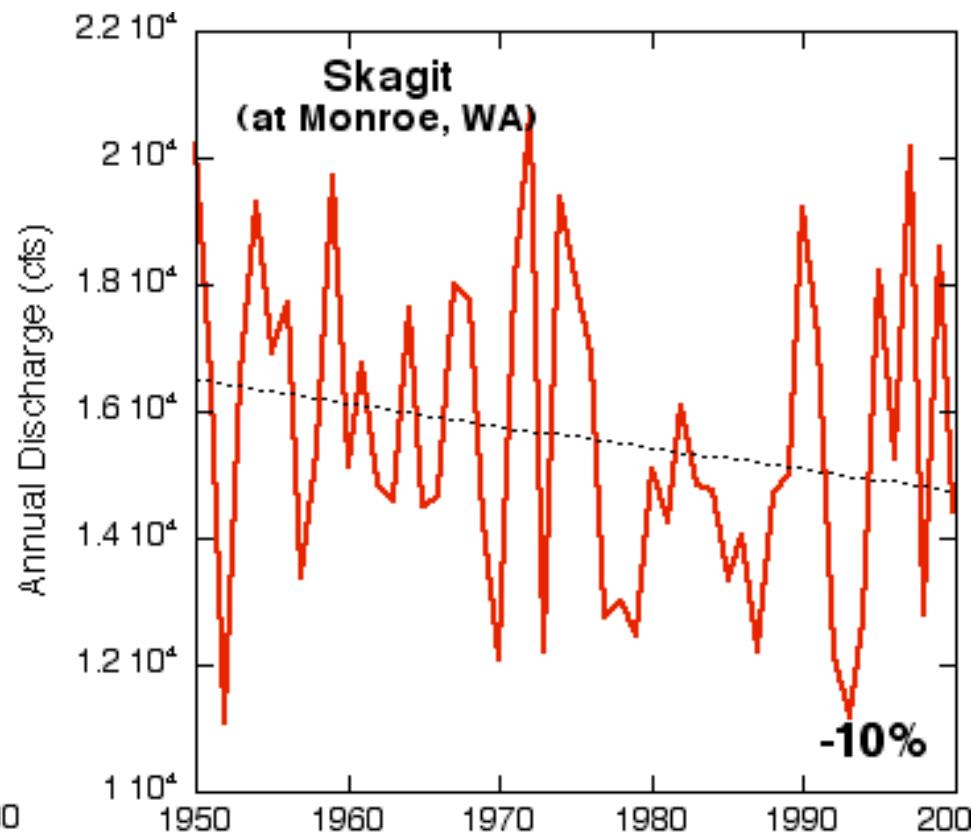
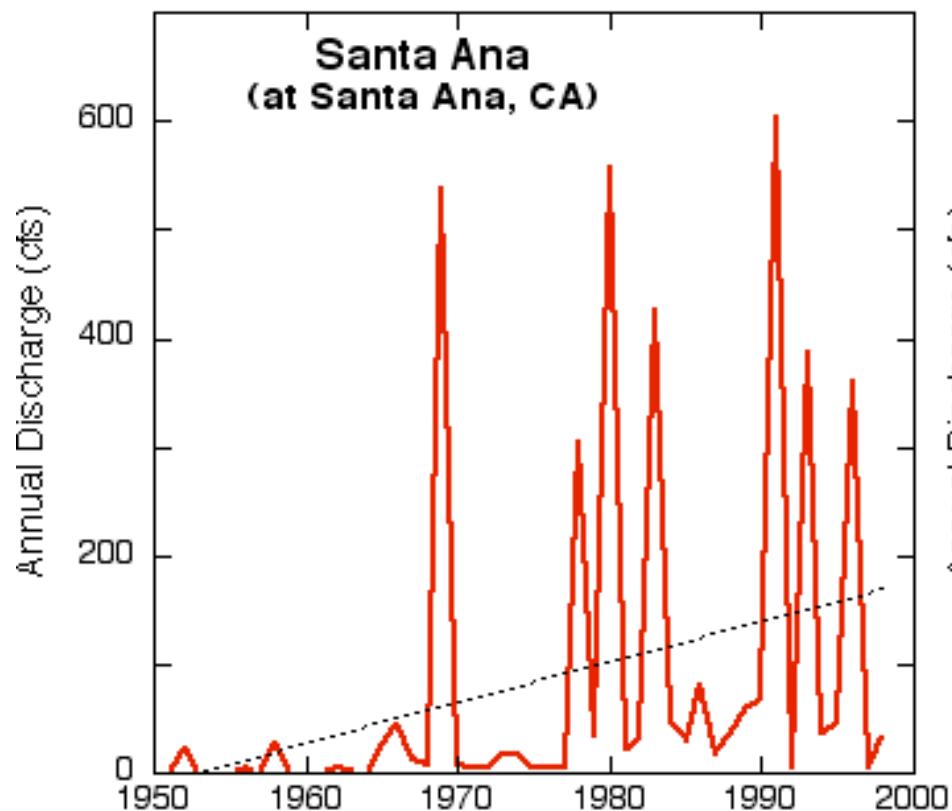
J.D. Milliman and K.L. Farnsworth
Cambridge Univ. Press

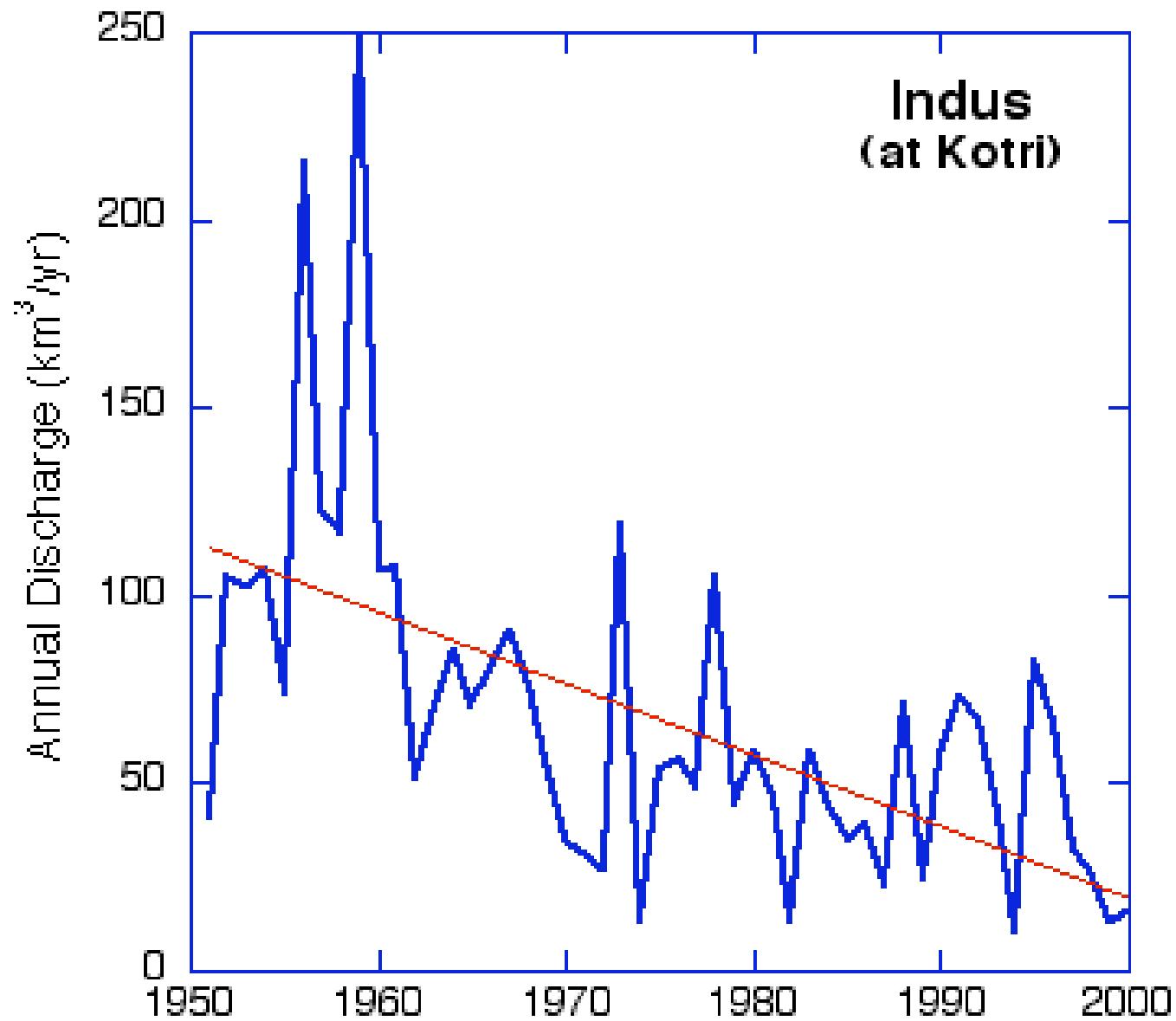
Fluvial Freshwater Discharge to the Coastal Ocean

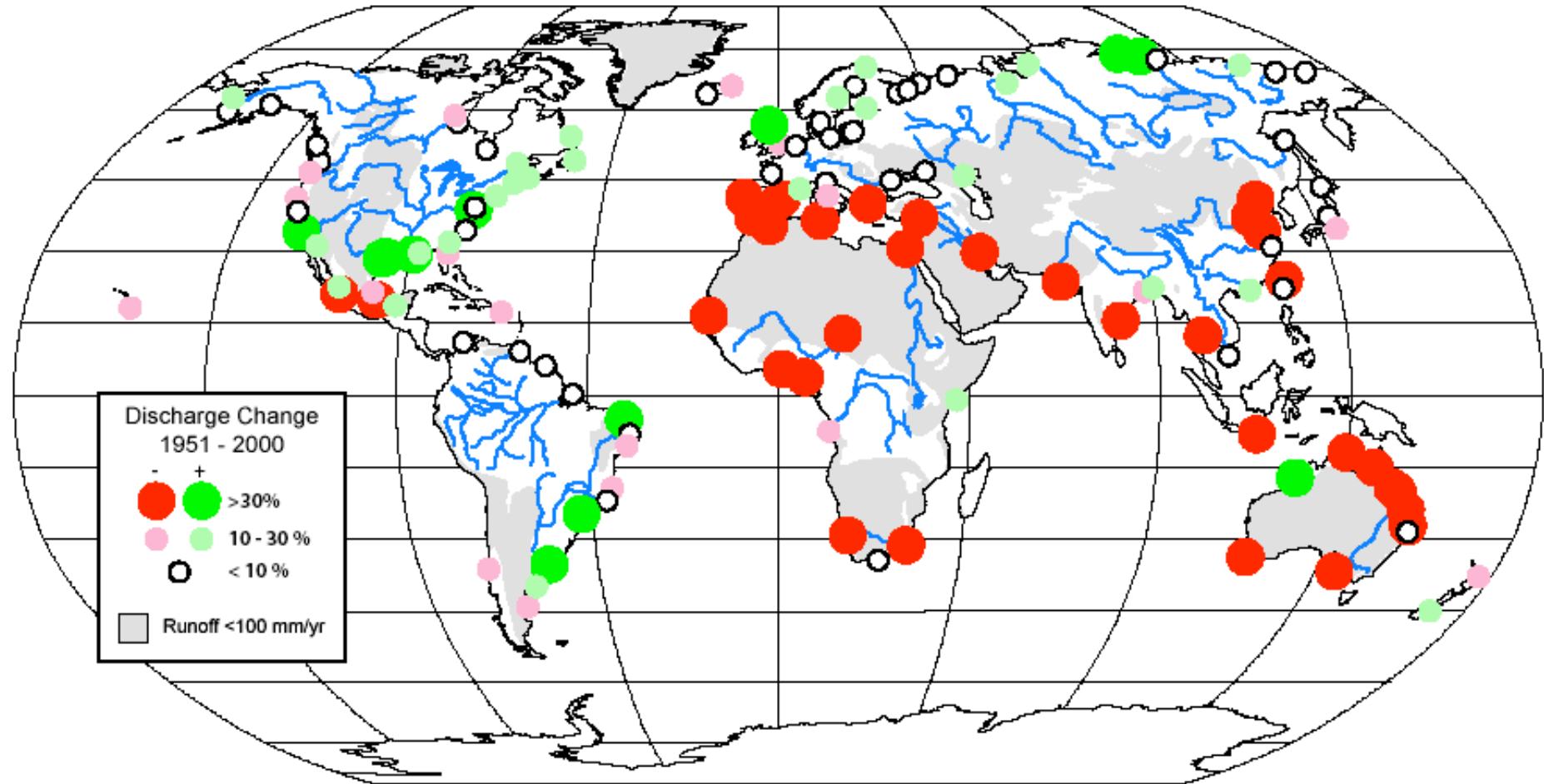




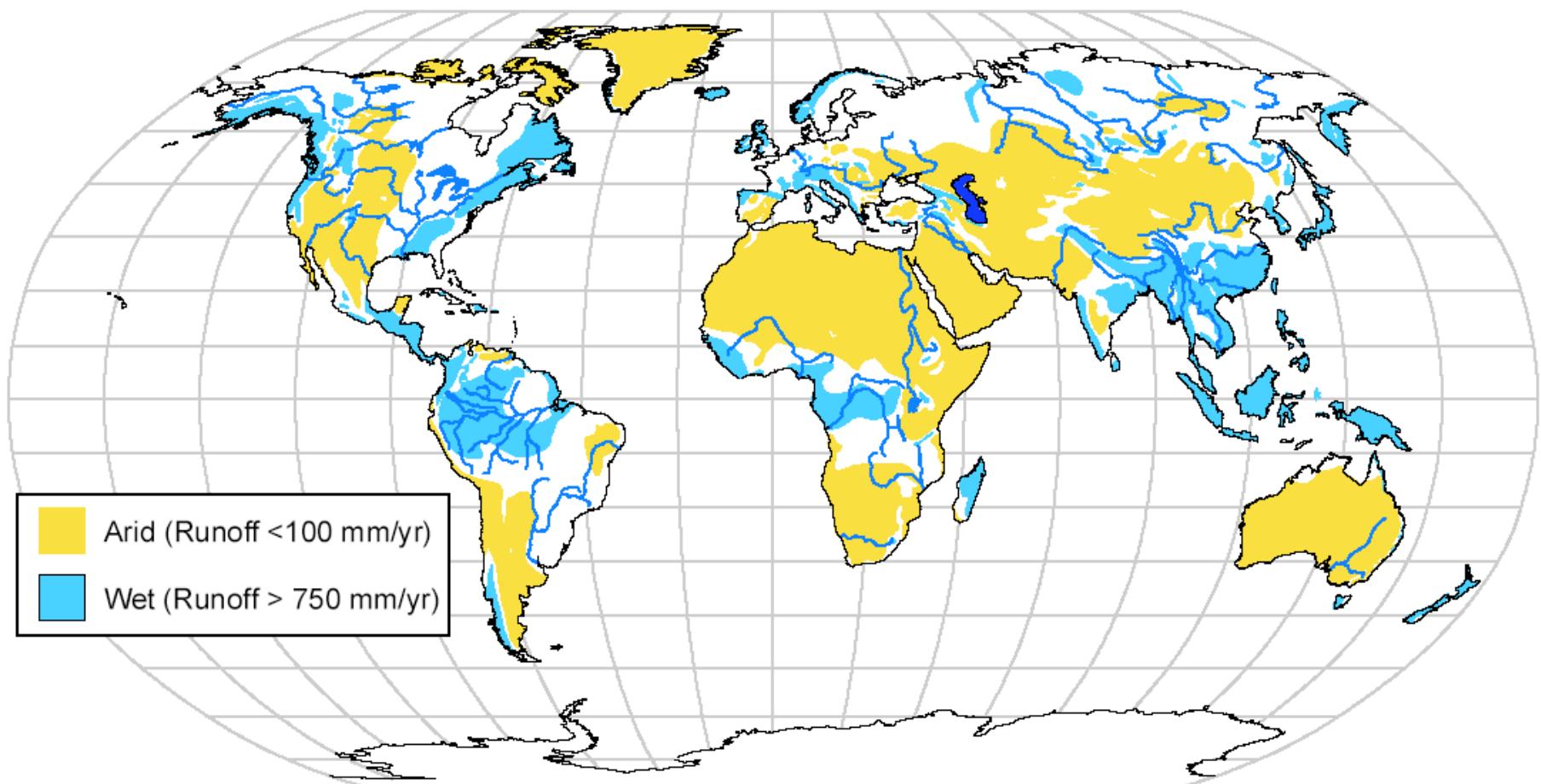








Global Distribution of Arid and Wet Regions



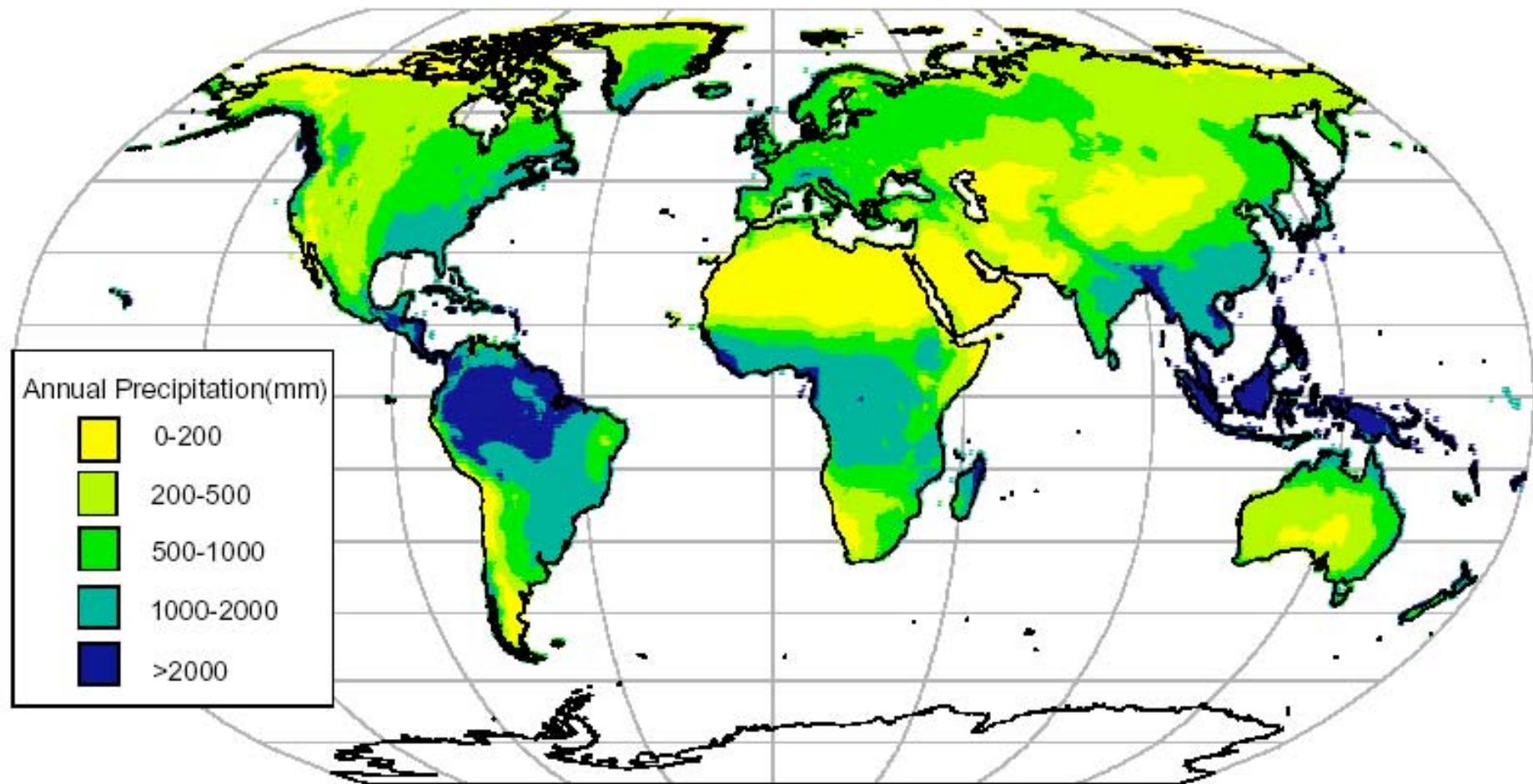
$$\Delta R = \Delta P - \Sigma(\Delta ET + \Delta S + \Delta C)$$

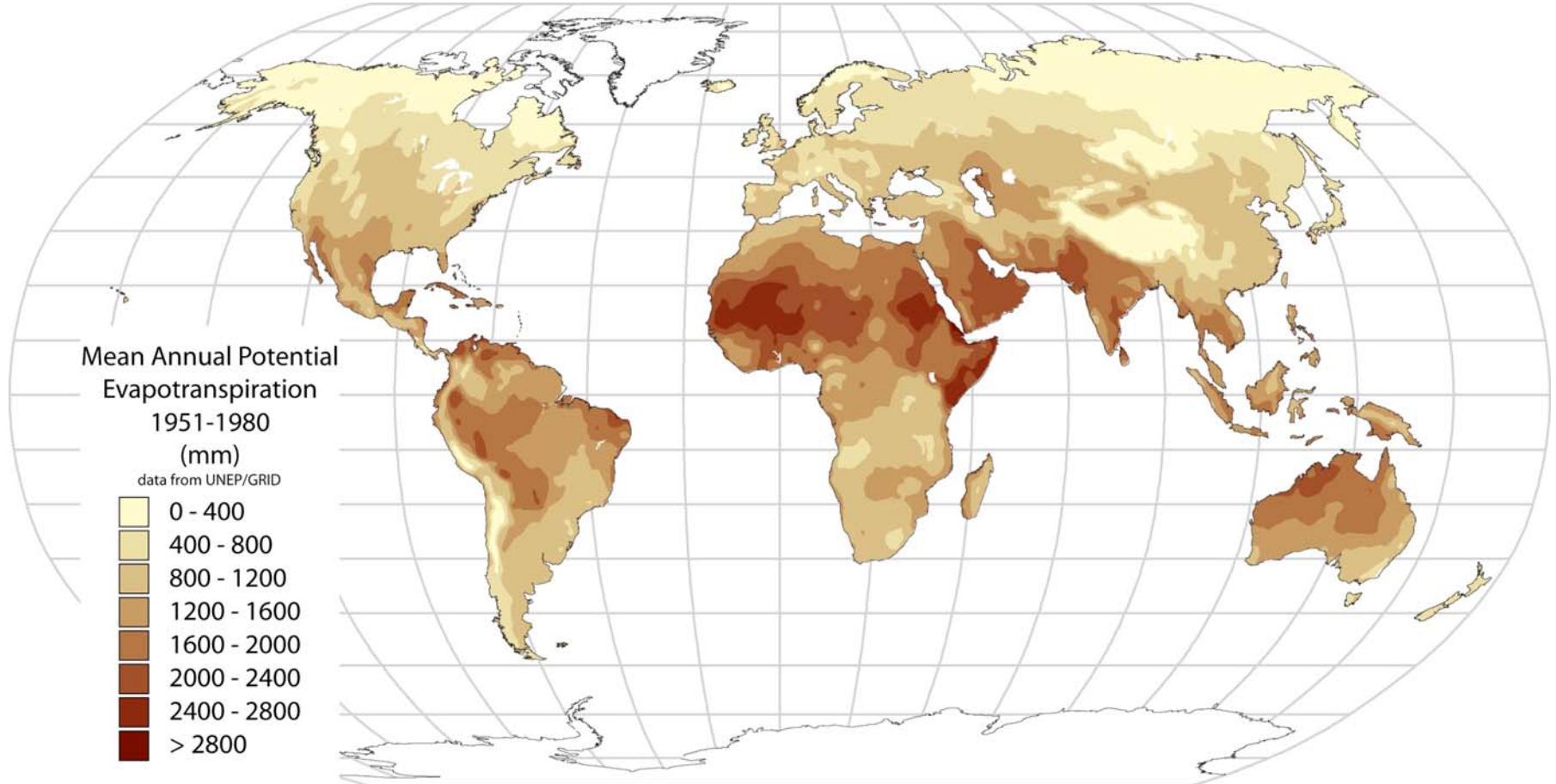
$$\Delta R = \Delta P - \Sigma(\Delta ET + \Delta S + \Delta C)$$

Long Term - Assume:

$$\Delta S \text{ and } \Delta C = 0$$

$$\text{So, } \Delta R = \Delta P - \Delta ET$$





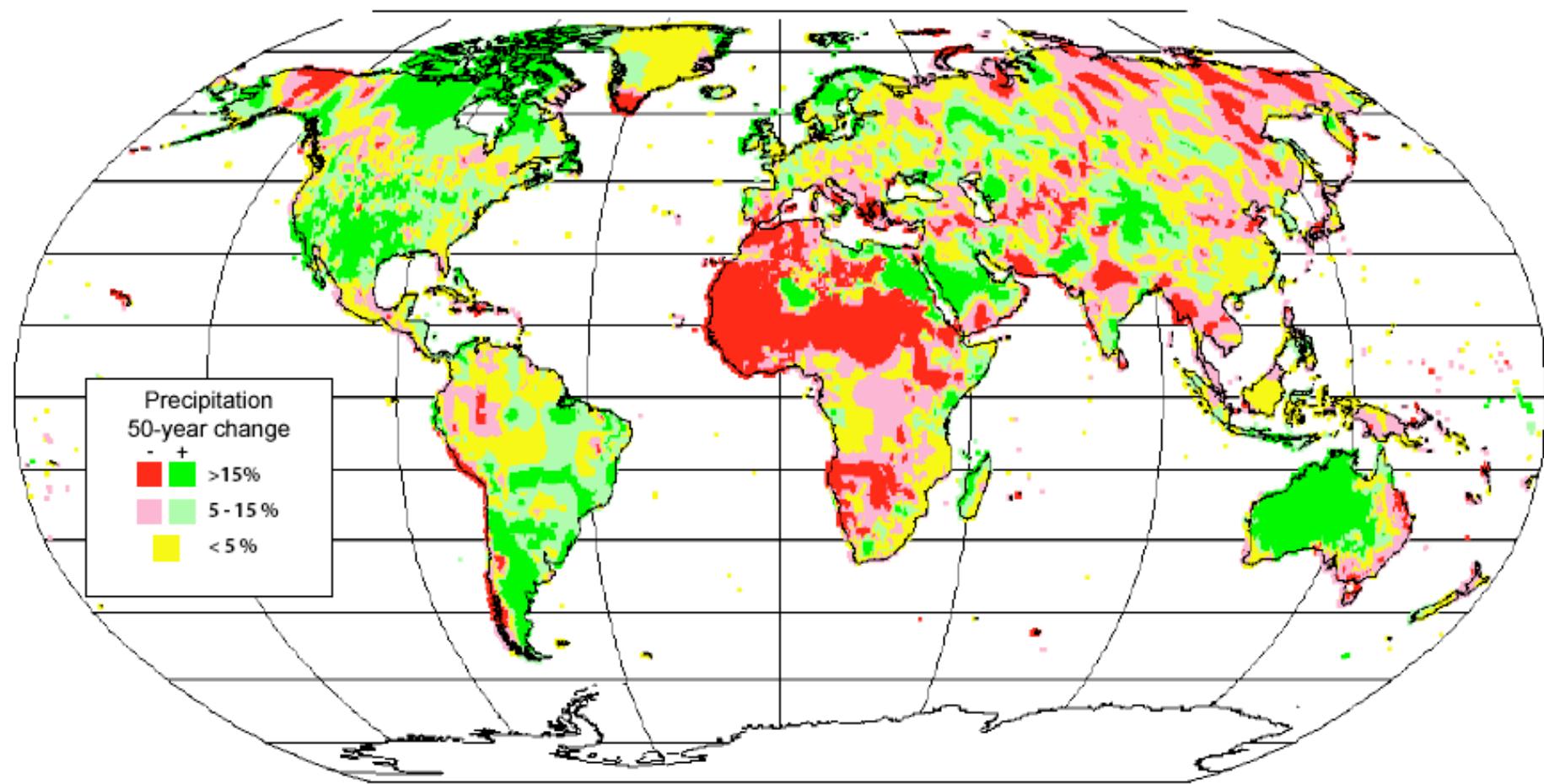
$$\Delta R = \Delta P - \Sigma(\Delta ET + \Delta S + \Delta C)$$

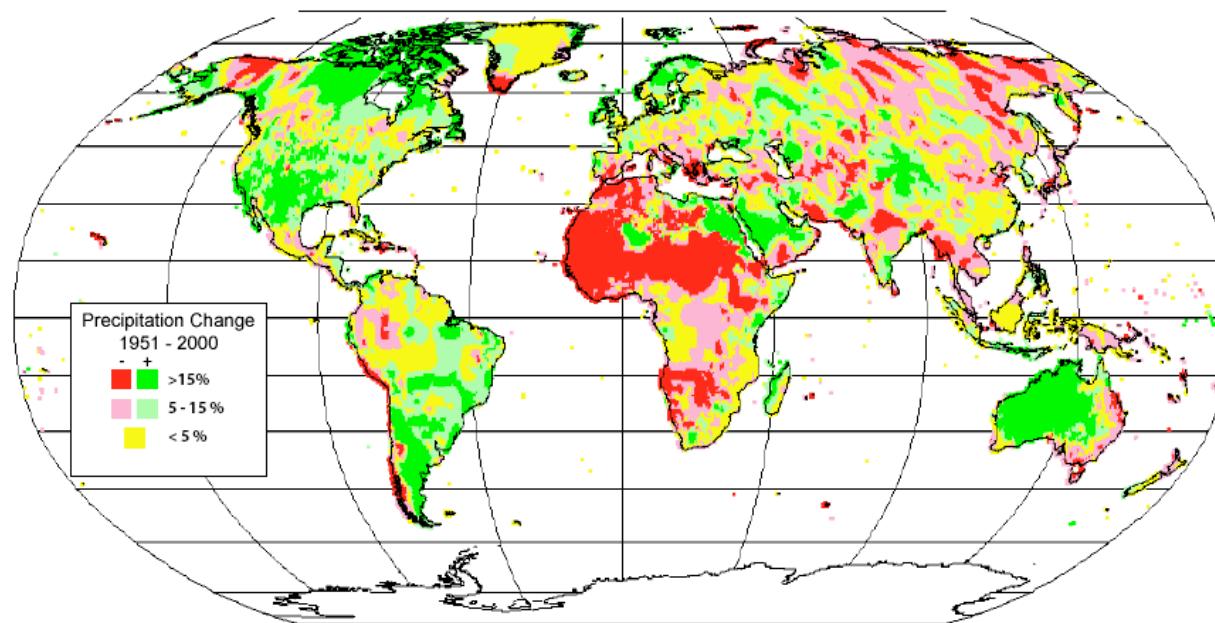
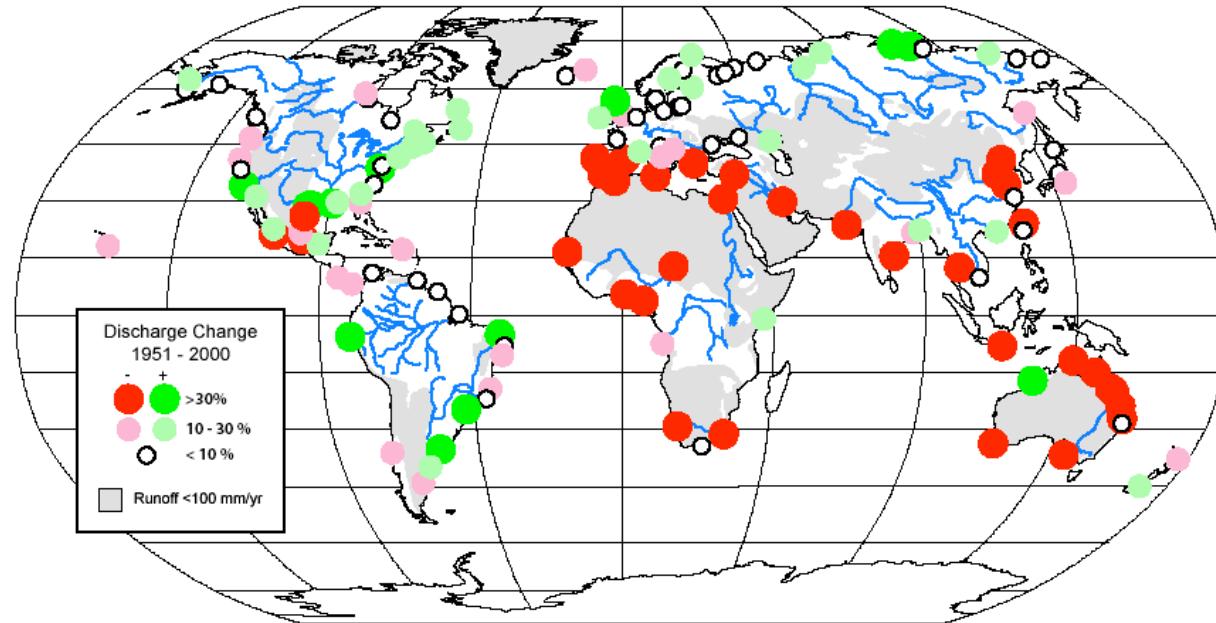
Long Term: ΔS and $\Delta C = 0$

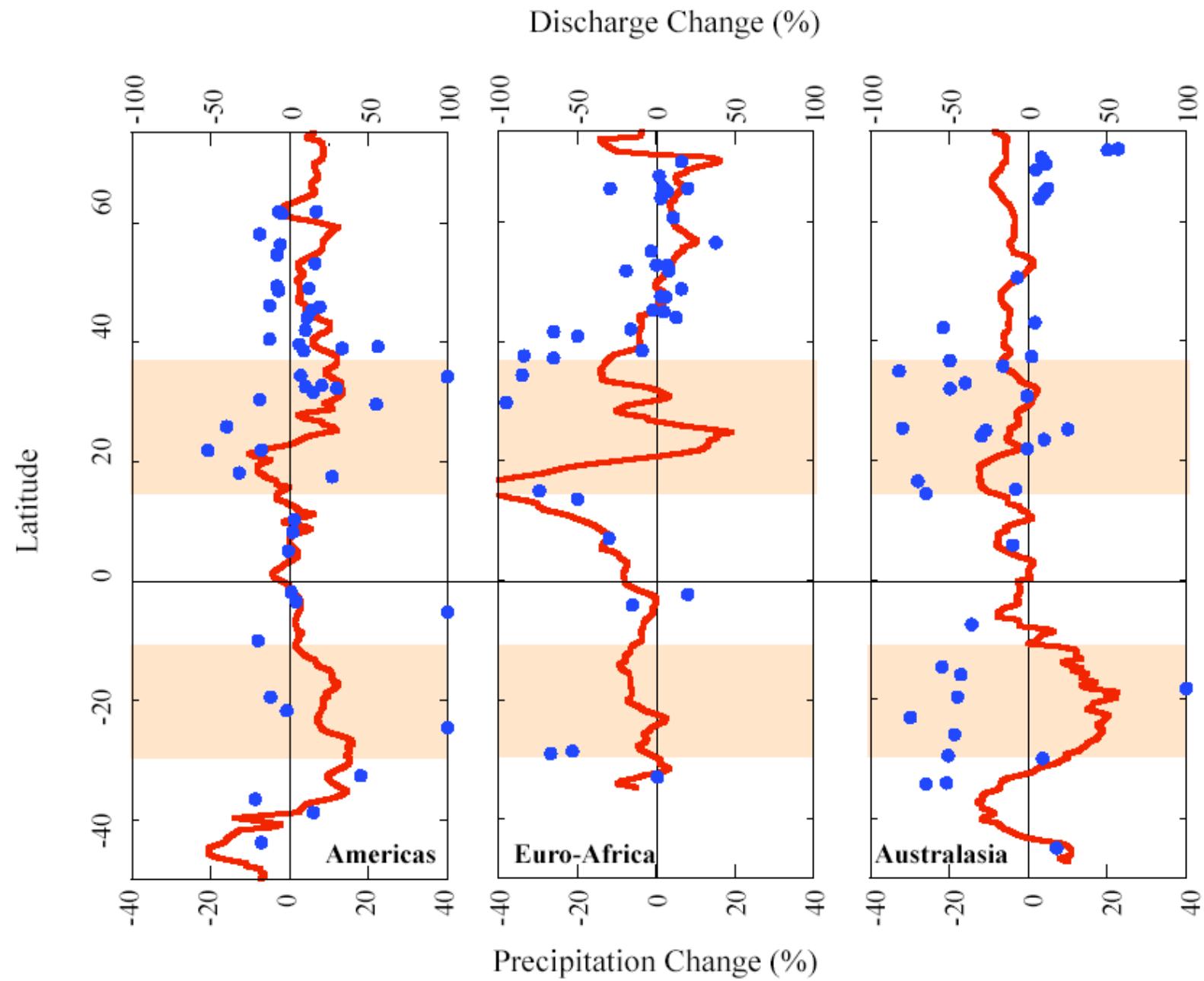
$$\text{So, } \Delta R = \Delta P - \Delta ET$$

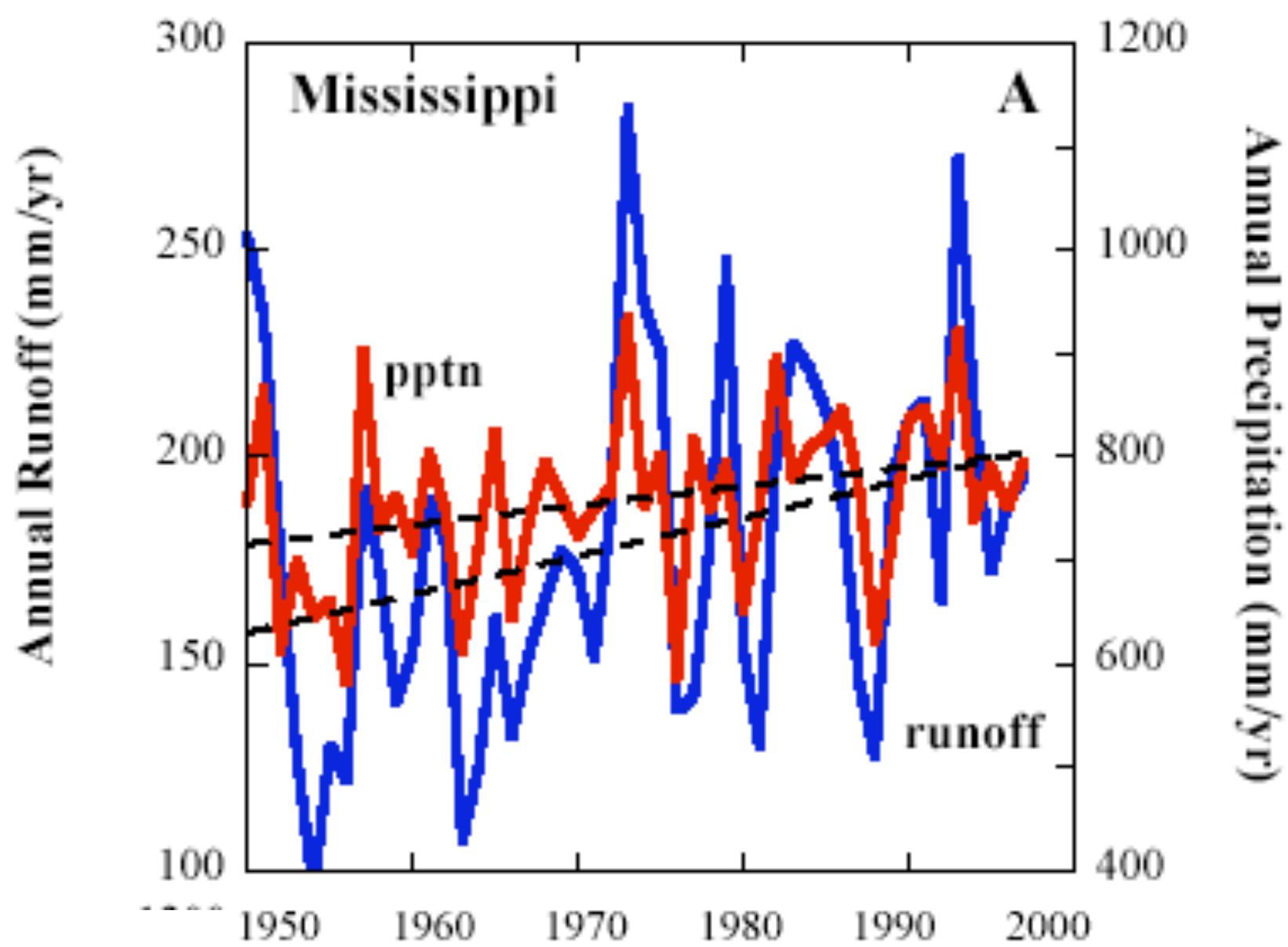
If $\Delta ET \sim 0$,

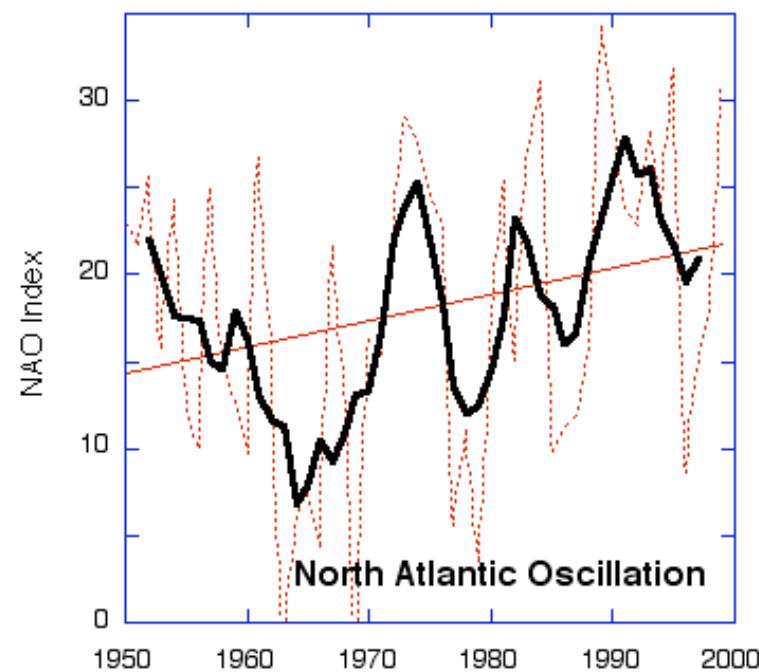
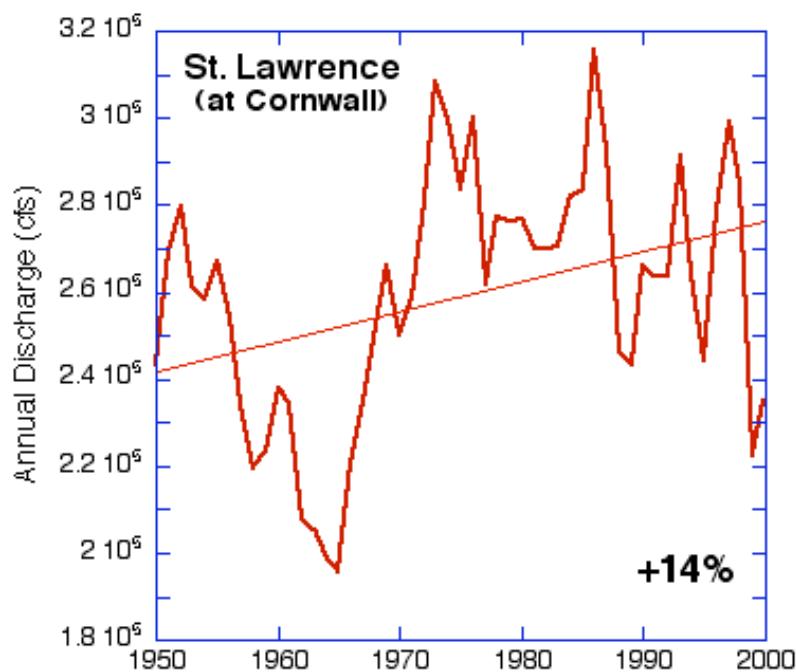
$$\text{Then } \Delta R = f\Delta P$$

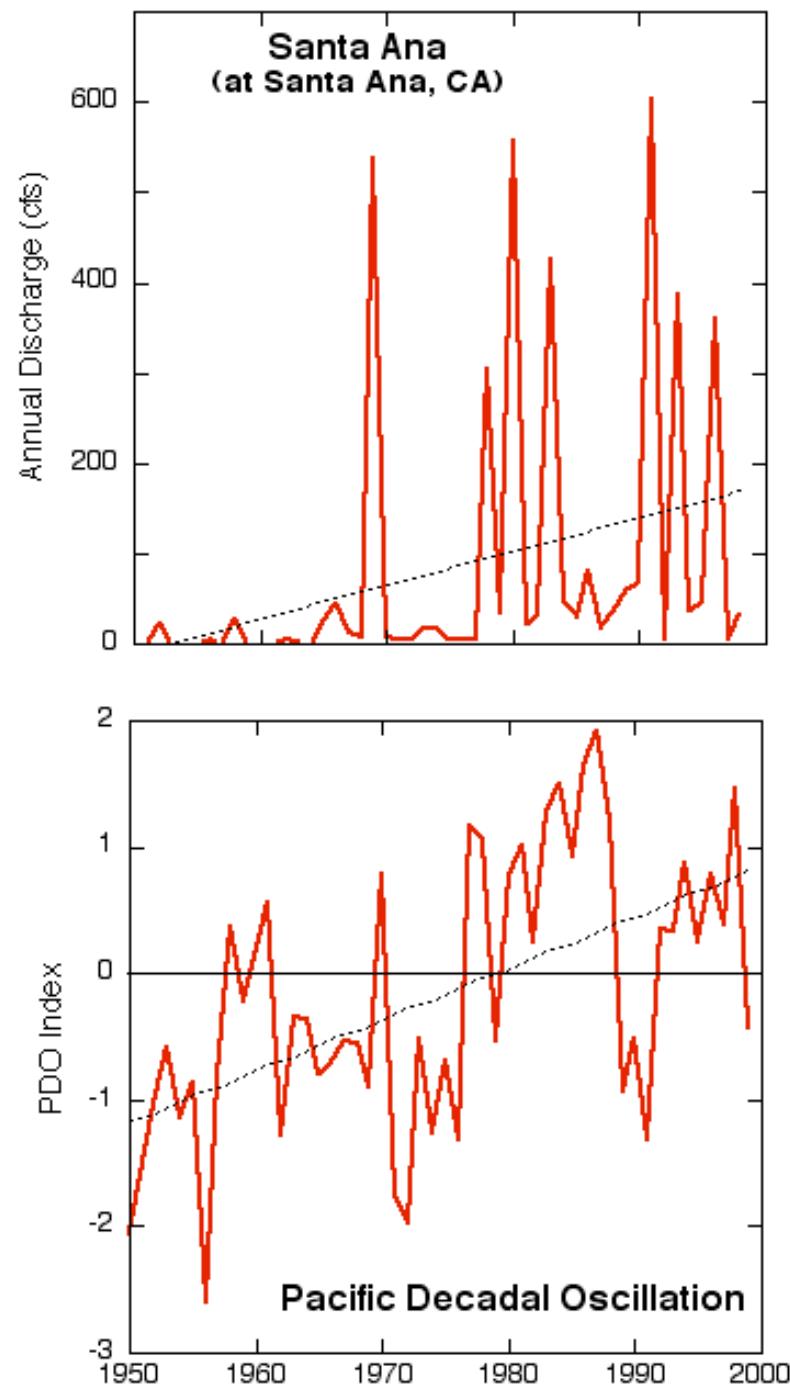


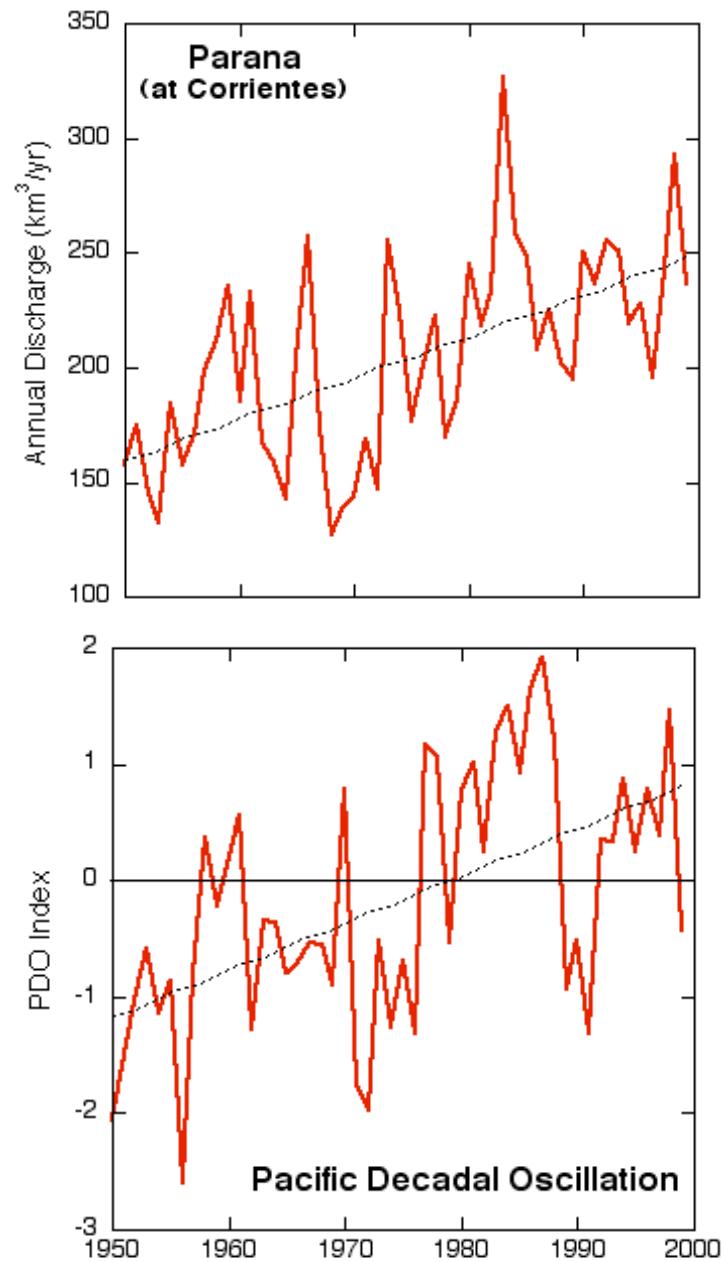


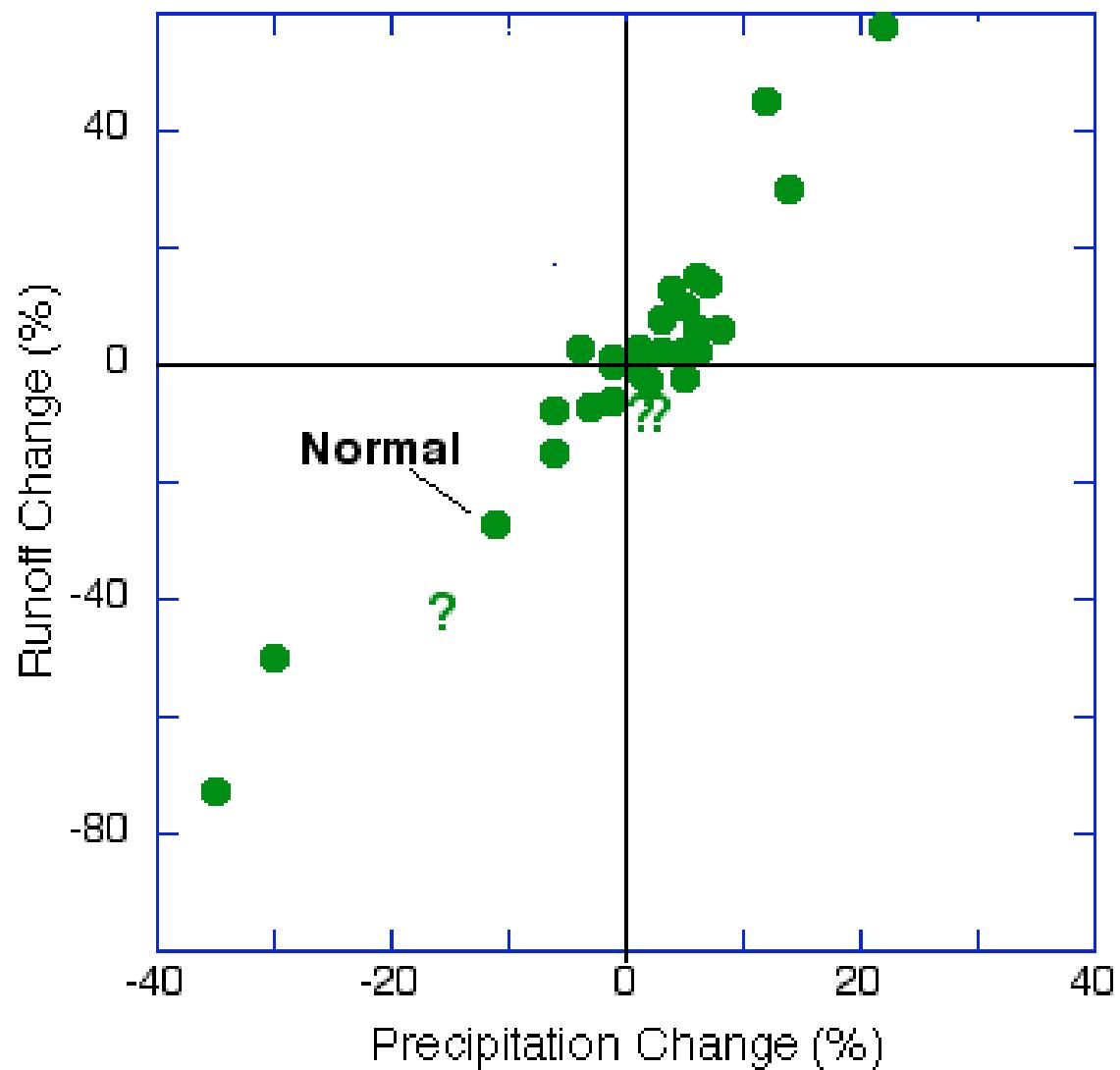


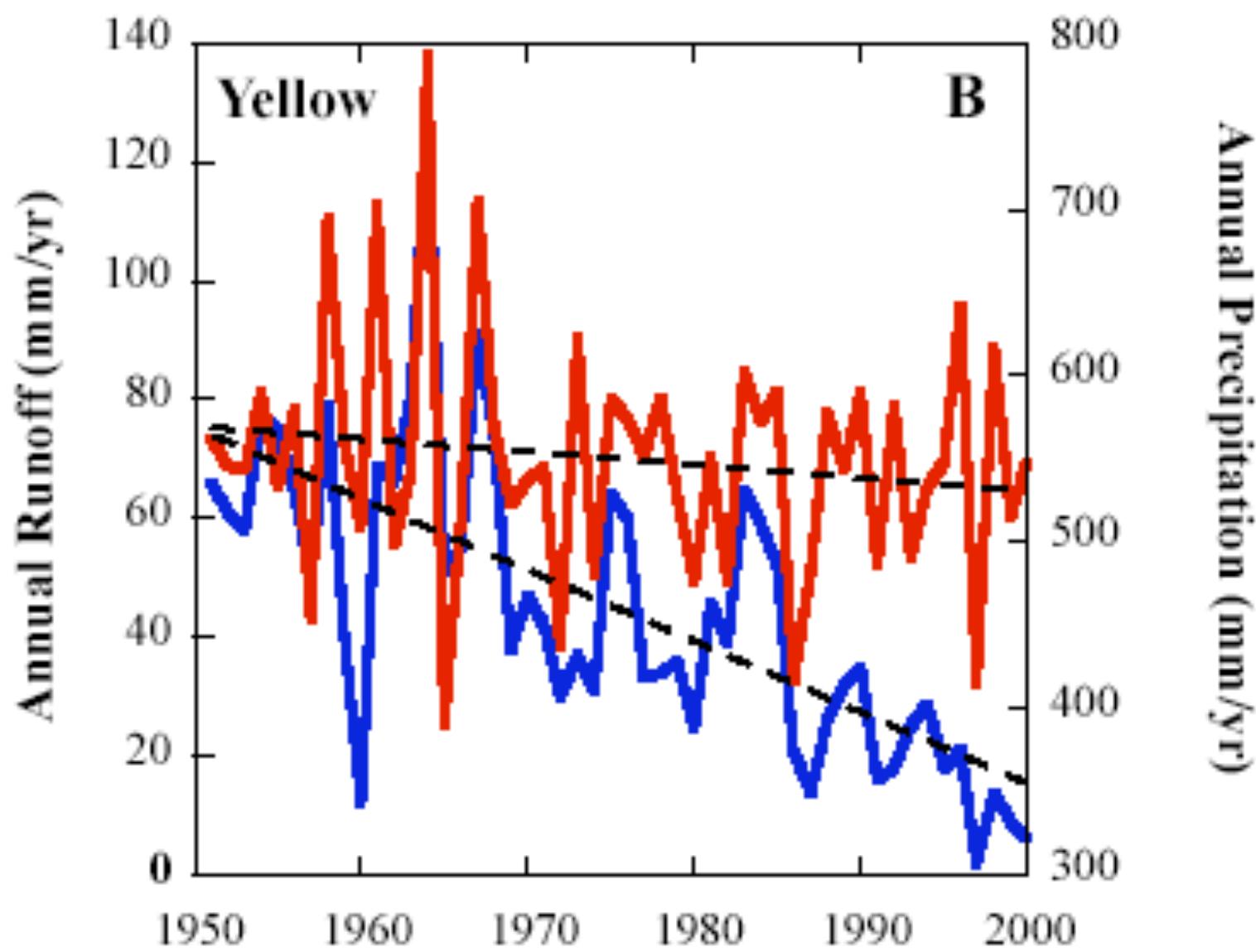


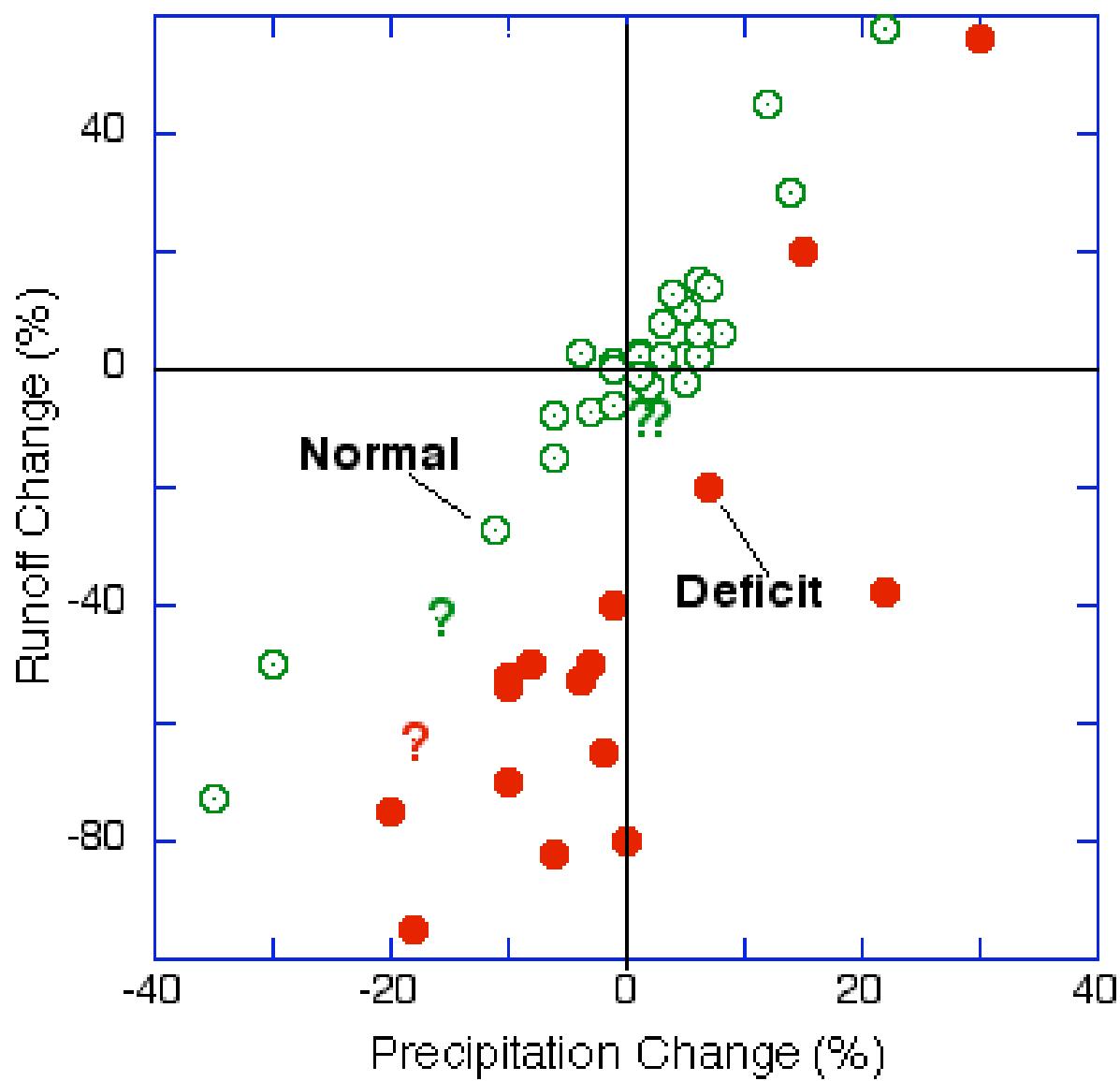


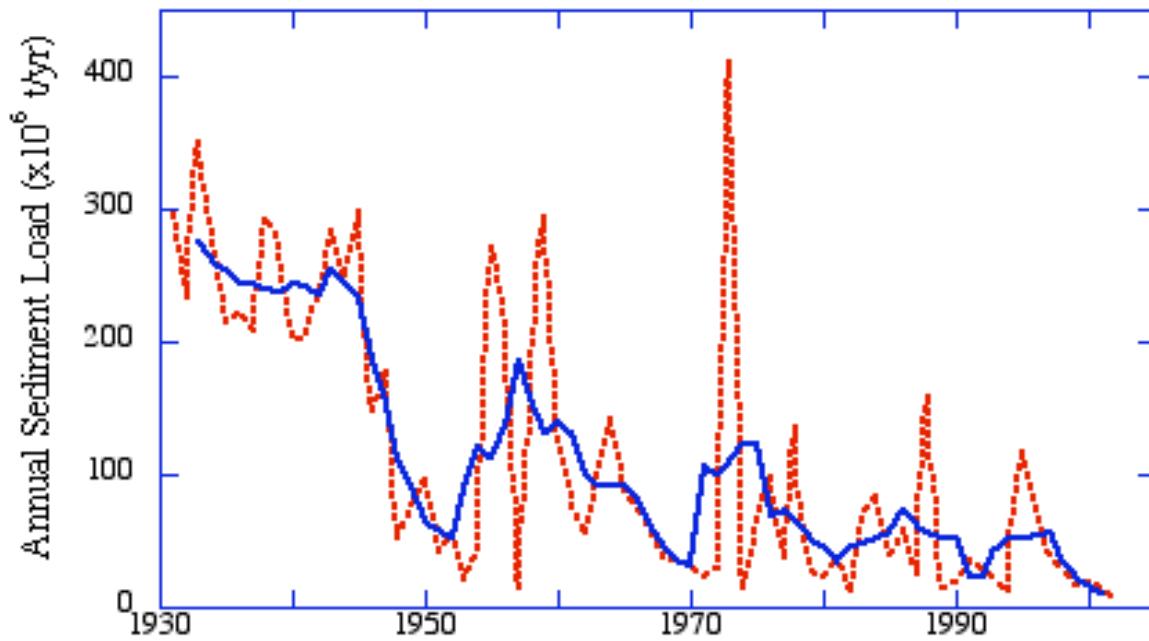
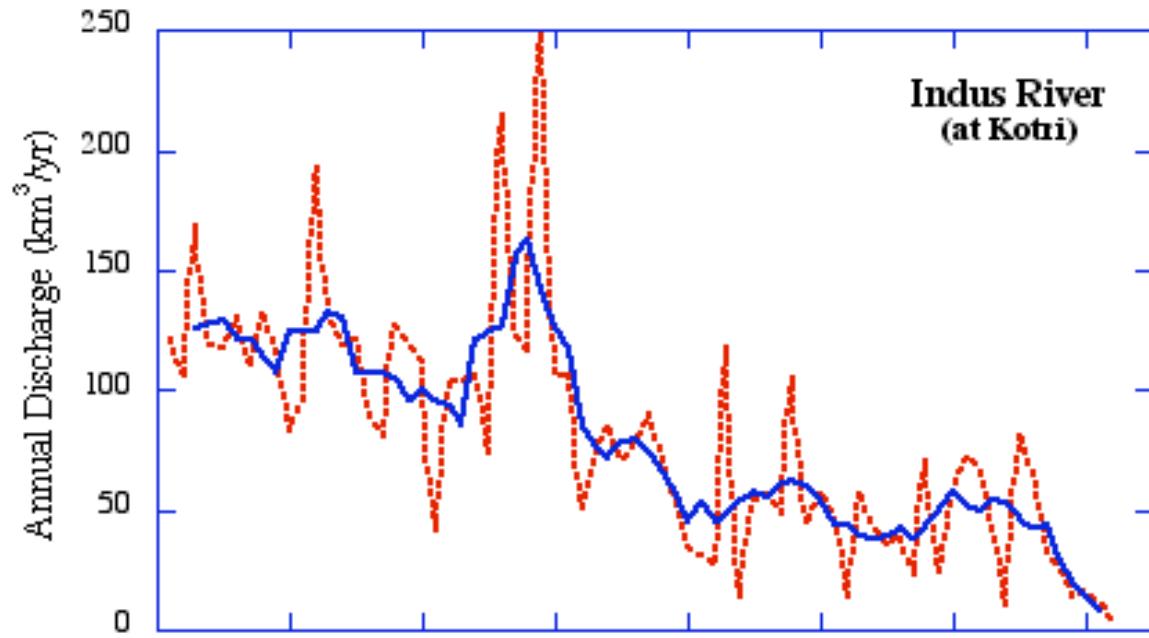














© 2007 Europa Technologies

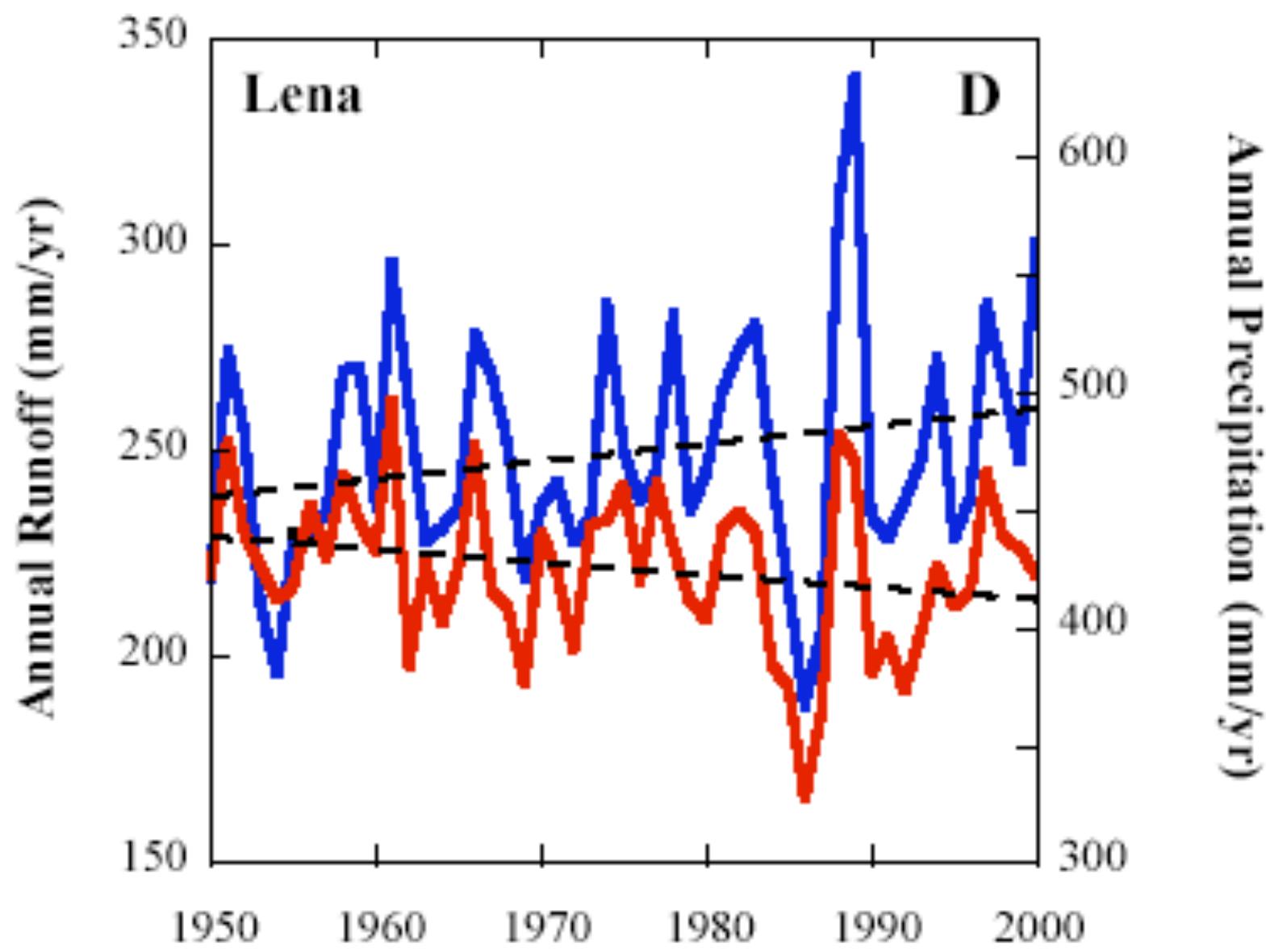
© 2007 Europa Technologies

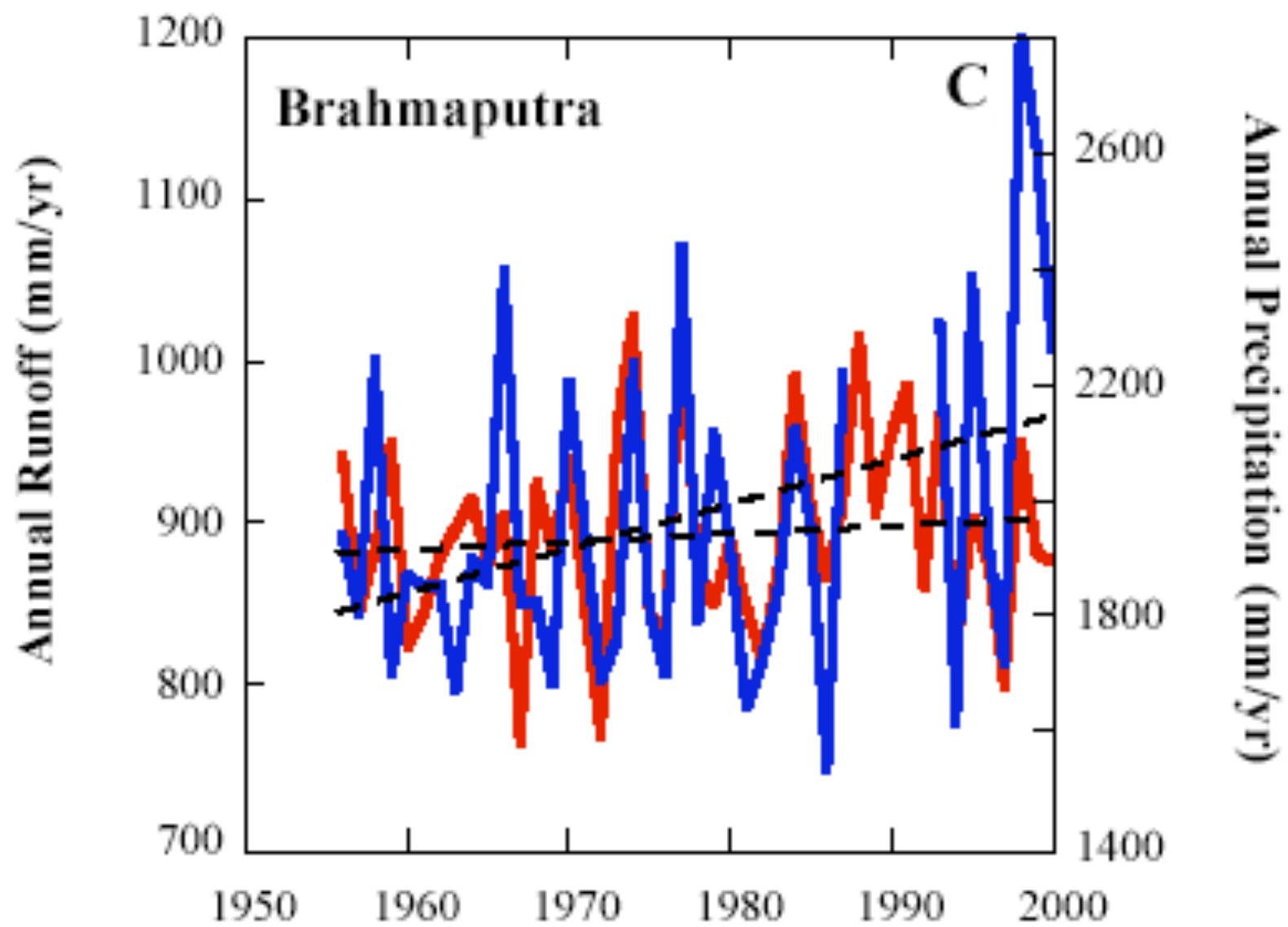


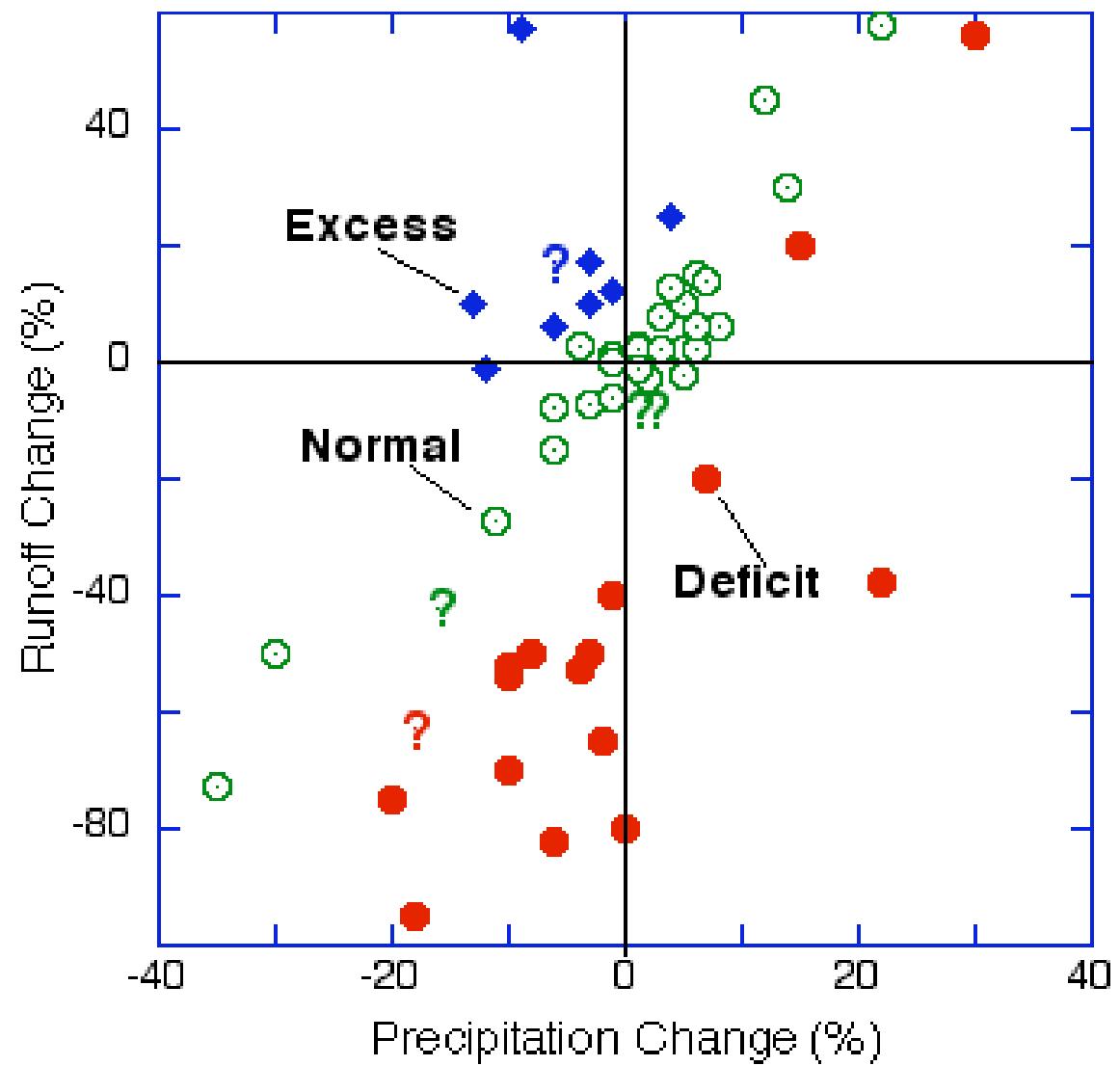
© 2007 Europa Technologies
Image © 2007 DigitalGlobe

Pointer 24°45'09.22" N 67°57'31.90" E elev 12 m

Streaming ||||| 100%







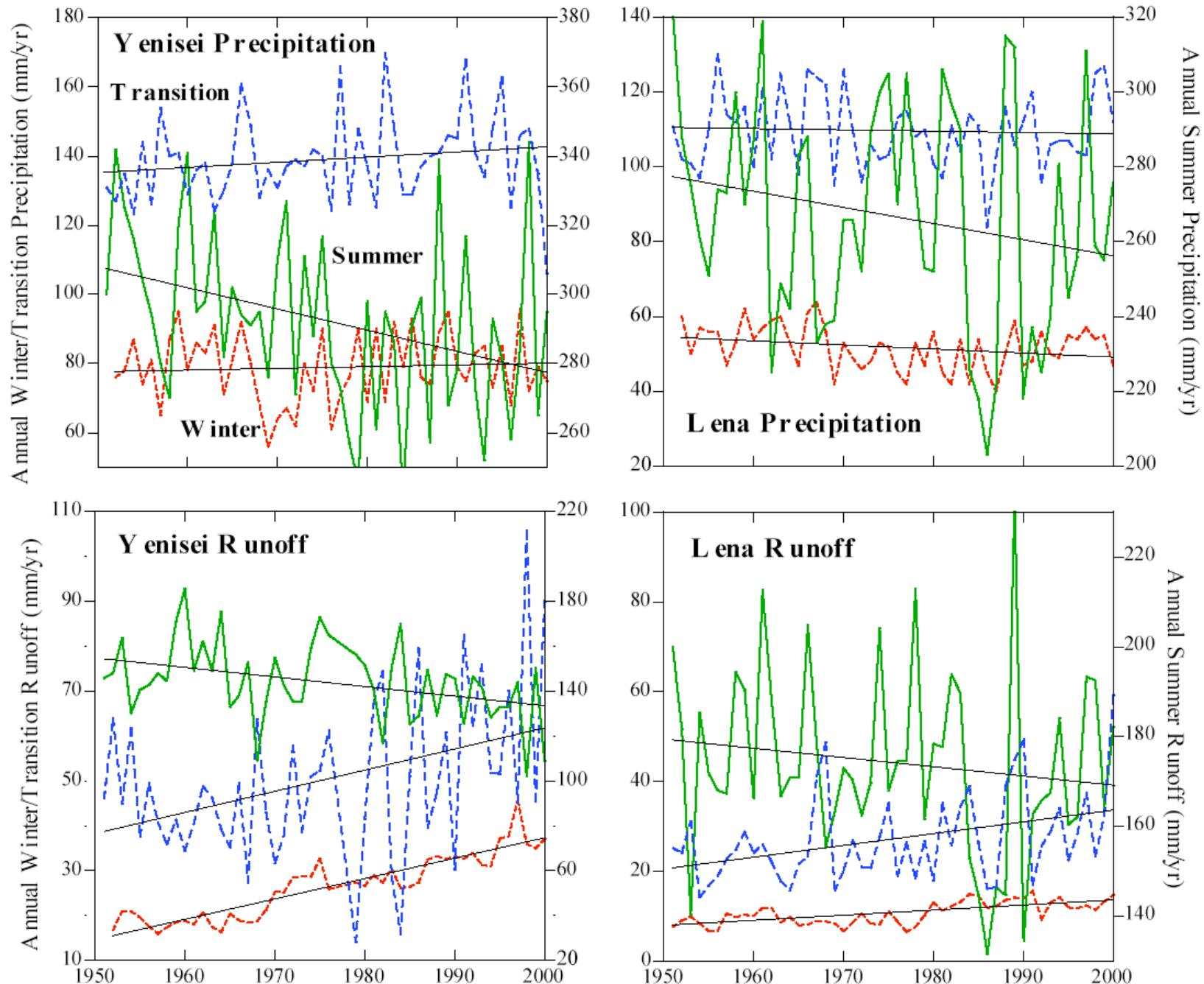




Figure 20: Retreat of the Gangotri Glacier (Garhwal Himalayas) snout during the last 220 years (Source: Jeff Kargel, USGS)

C

