



E FLOWS – SALVATION OR TRAP

River – a unique Ecosystem

Dynamic (Sectional, Annual, decadal etc) *entity*

Physical (Geomorphology, Hydrology,

Temperature, Flood plain and Riparian zone) *entity*

Chemical (Water and Soil chemistry) *entity*

Biological (Plants & Animals) *entity*

Social (Economic, political) *entity*



E FLOWS – SALVATION OR TRAP

River Yamuna –A Case Study

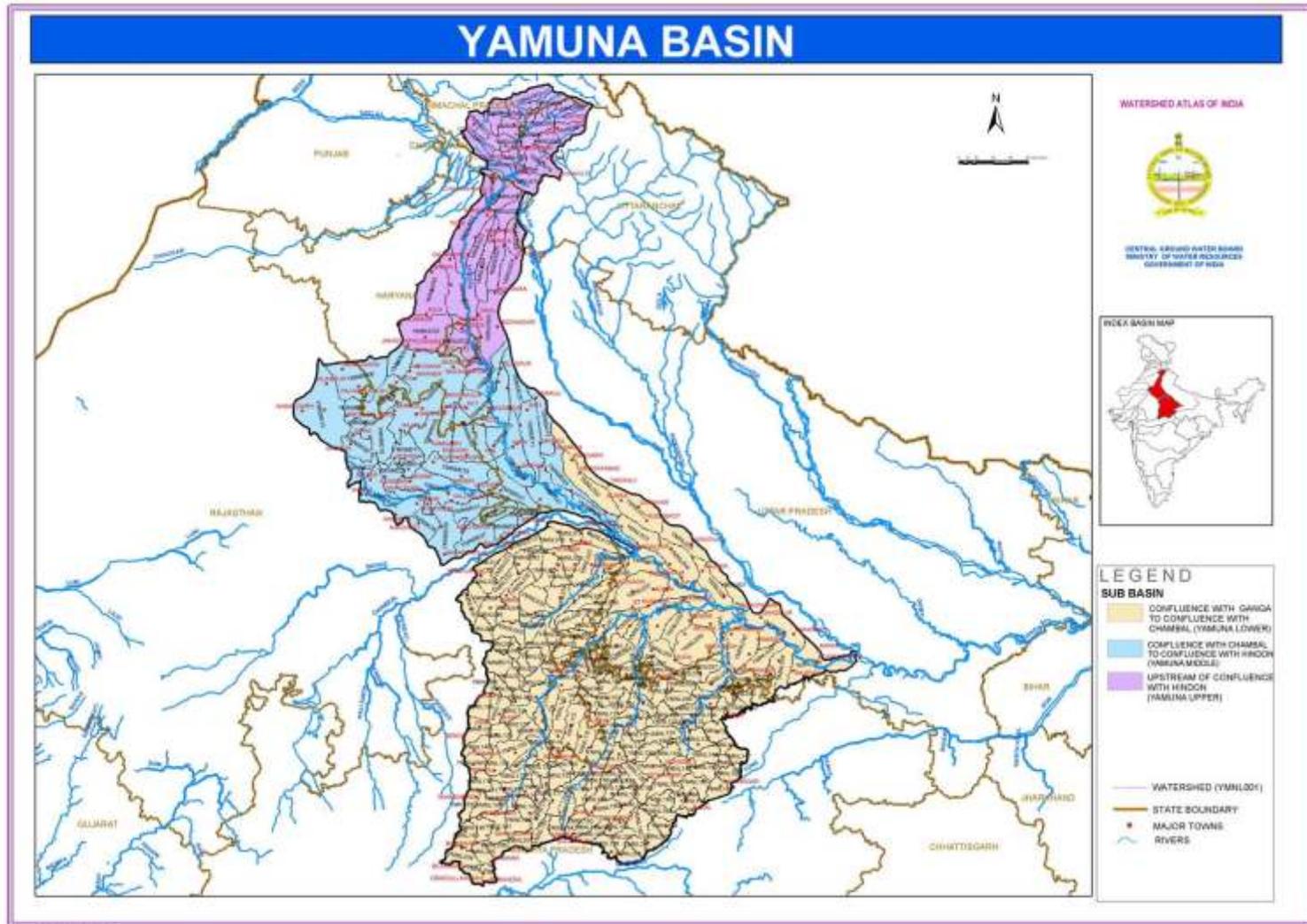


E FLOWS – SALVATION OR TRAP





E FLOWS – SALVATION OR TRAP





E FLOWS – SALVATION OR TRAP

Yamuna at Hathnikund Barrage – Feb 07





E FLOWS – SALVATION OR TRAP

Yamuna in Delhi – Feb 07





E FLOWS – SALVATION OR TRAP

DECADAL FLOW IN THE RIVER YAMUNA

(Downstream of Tajewala / Hathnikund Barrage)

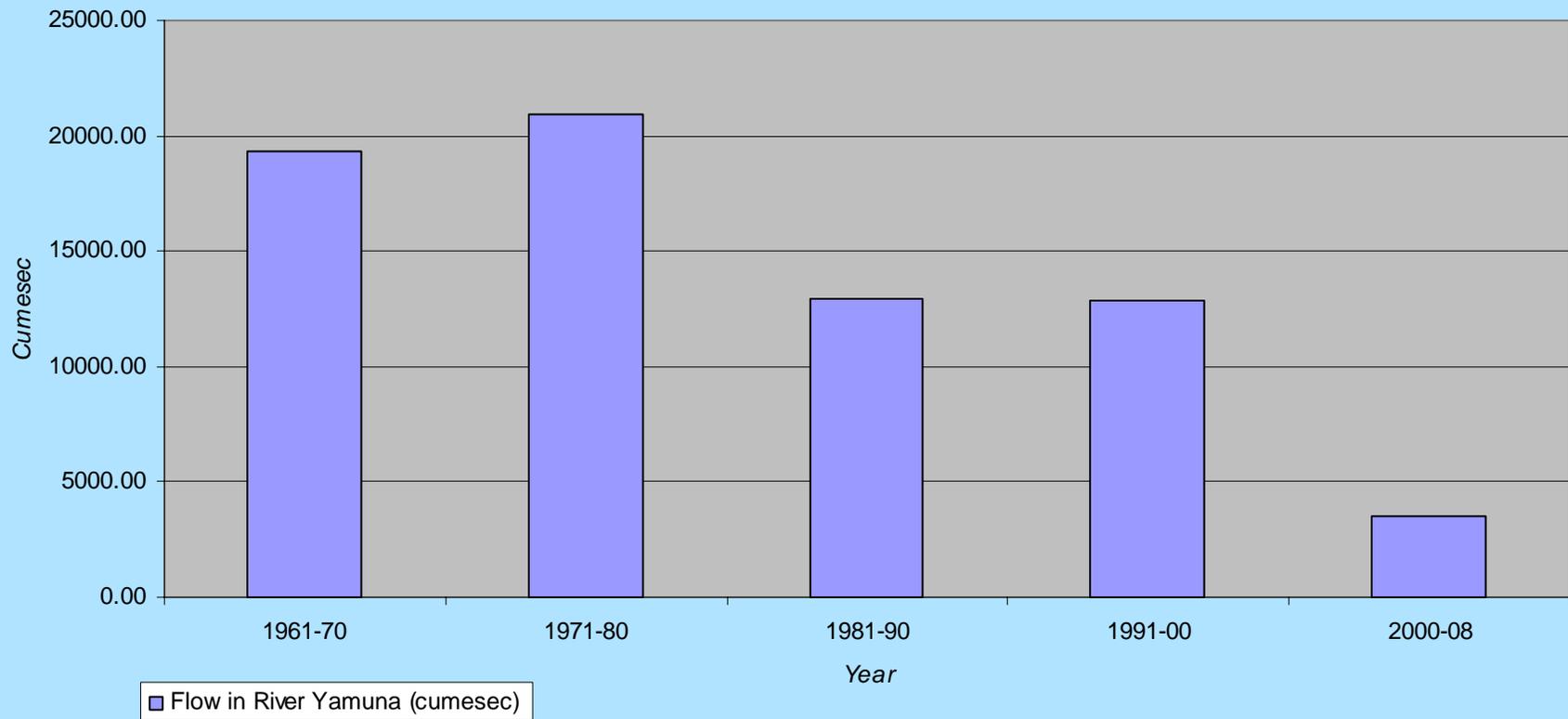
Source: SPIO Irrigation Dept. Haryana, Oct 2008

Year	Flow in river Yamuna (cumesec)
1961-70	19321.90
1971-80	20887.18
1981-90	12928.25
1991-00	12867.20
2000-08 (July 08)	3492.28



E FLOWS – SALVATION OR TRAP

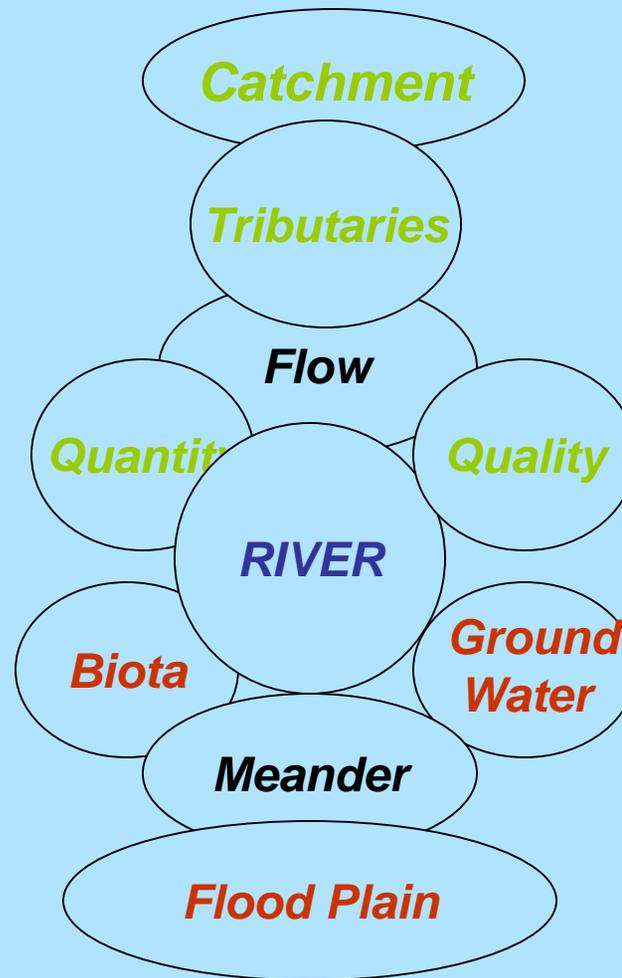
Flow in River Yamuna (cumesec)





E FLOWS – SALVATION OR TRAP

RIVER HEALTH ELEMENTS





E FLOWS – SALVATION OR TRAP

‘Flow’ is integral to a river system (*Behna – Nadi ka dharm hei!!!*)

There is no river san its “unfettered” flow

Abstraction of water from a river should be an exception and not the rule

Are ‘we’ falling into a trap in the name of E - flows?