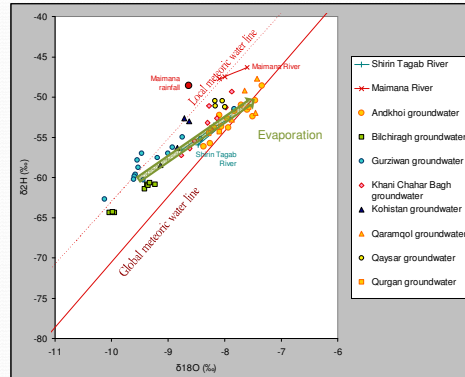
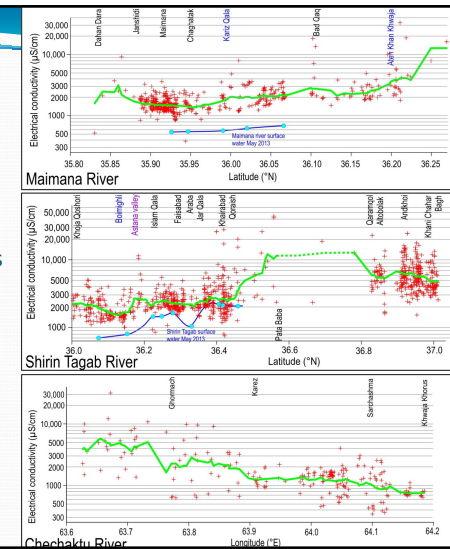


and stable isotopes provide clear evidence of evapoconcentration

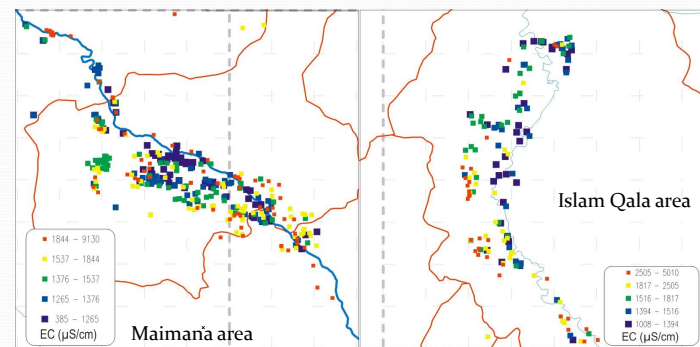


Salinity

Salinity profiles appear to show potential for infiltration of fresher river water into aquifers



...and this is confirmed by maps



Arsenic (As)

Arsenic	
EC 1998 Directive:	< 10 $\mu\text{g/L}$
WHO (2011): Provisional guideline	< 10 $\mu\text{g/L}$
25-percentile in Faryab	= 0.46 $\mu\text{g/L}$ (N=132)
50-percentile in Faryab	= 0.70 $\mu\text{g/L}$ (N=132)
90-percentile in Faryab	= 1.31 $\mu\text{g/L}$ (N=132)

Only a single sample from Faryab exceeded the WHO (2011) guideline of 10 $\mu\text{g/L}$, from Khani Chahar Bagh district. The next highest concentration is a single sample at 5.1 $\mu\text{g/L}$ in Qurgan district.

There is a slight tendency to increasing concentrations of arsenic in groundwater to the north.

