

Movie S1 and S2 captions.

Movie S1. LandsatLook time-lapse video of the 1991 C. E. avulsion on the Sefid Rud river delta in Iran (approximately at location 87.01207, 26.60116). Imagery is taken from NASA/USGS Landsat archive.

Movie S2. False-color time-lapse video of the 2008 C. E. avulsion on the Kosi River, India (approximately at location 49.92847, 37.44119), with surface water highlighted in yellow. Water masks were extracted using the Normalized Difference Water Index (NDWI) from NASA/USGS Landsat 5 multispectral imagery.