Fig. S1 Changes of air temperature at some stations of the studied region

Fig. S2 Changes of precipitation at some stations of the studied region
Fig. S3 Changes of monthly soil temperature at 80 cm depth at the Verkhoyansk (24266), Oymyakon (24688) and Ust'-Moma (24382) meteorological stations, 1966 (1977)-2015. Red dash line is Sen’s estimate. The year of change point where continuous data is available was estimated with the Pettitt’s test at p ≤ 0.05

Fig. S4 Patterns of flow changes in May, group A (green, orange and red – the trend slope over the period of record, before and after change point respectively)
Fig. S5 Patterns of flow changes in May, group B (green, orange and red – the trend slope over the period of record, before and after change point respectively)

Fig. S6 Changes of flow in June and August
Fig. S7 Changes of flow in September and October

Fig. S8 Changes of flow in November and December
Fig. S9 Changes of flow in January – April

Fig. S10 Changes of annual flow