Thesis subject is the evaluation of runoff and flood regime of rivers Lužnice and Skřemelice at the closing profiles just before their confluences. The results are compared with findings from the profile Pilař, which were published in the past by other authors. More attention is paid to the evaluation of the hydrological year 2013 and in detail is described the flood in June of the same year. Daily flow data from the years 1971 - 2014 were used for evaluating of runoff conditions. The assessment of the runoff regime in terms of daily, monthly and annual flows were compared with the runoff regime in Pilař gauge station. The source regions with dominating influence on the resulting runoff were discovered. Analysis of the flood regime confirmed that spring floods in Lužnice came mainly from upland and hilly parts of catchment and large summer floods have main source area in the catchment of Lužnice river itself, before the confluence of the Lužnice river and Skřemelic river. When assessing flood in 2013, the main source areas of flood flows that hit Lužnice river basin were founded. The flood extremity was compared in each closing profiles.