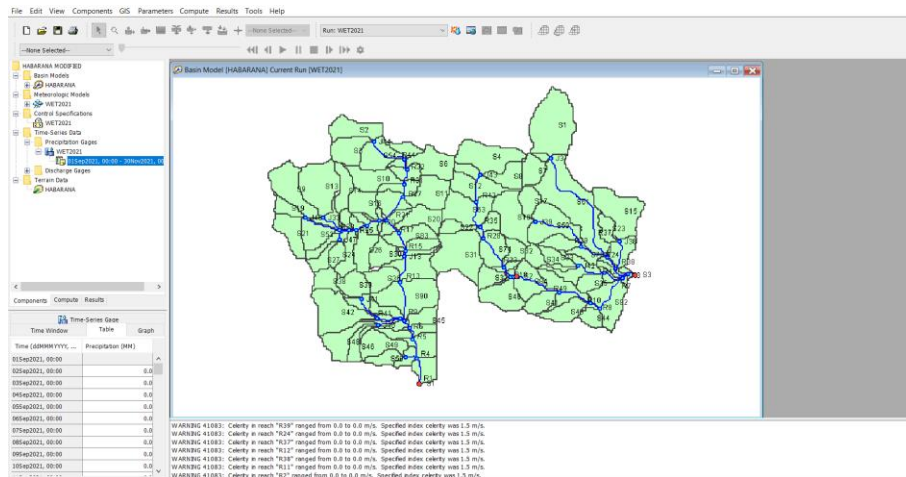


Hydraulics and ecohydrology of rivers

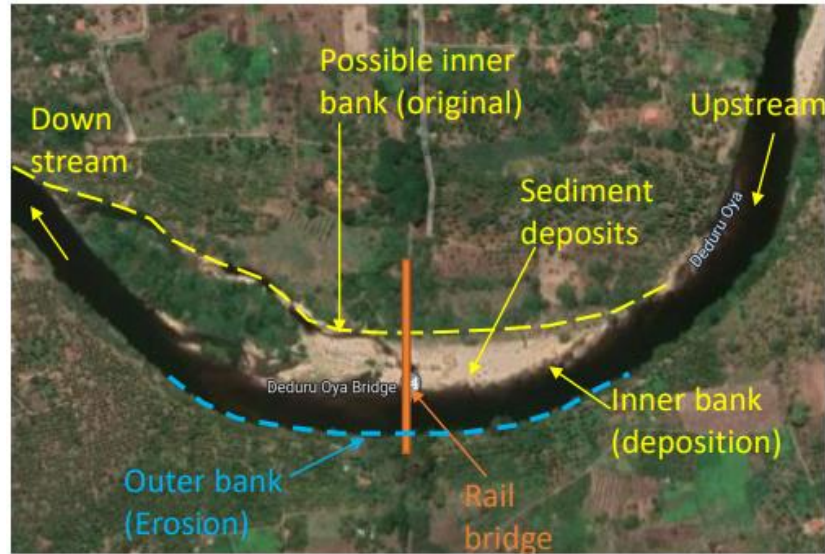
Key Researcher (s): Prof. Ayantha Gomes, Prof. Upaka Rathnayake, Eng. Susantha Wanniarachichi



Field work of ephemeral streams, Habarana



A basin model developed by HEC-HMS for an ephemeral stream catchment



Aggressive meandering at a critical location (Railway bridge, Manuwangama) along Deduru oya

- The fundamental and applied studies related to all types of rivers ranging from small headwater streams (including ephemeral streams) to large rivers are being conducted. Some examples include, studying flow generation and abstraction losses of ephemeral streams, aggressive river meandering, river regulation and impacts, and rehabilitation of urban lotic waters. One key research the department is involved in is aggressive river meandering related issues of Deduru oya where identification of causes and solutions had to be related by an integrative approach involving analytical, physical and numerical models.