Newton Stewart FLOOD PROTECTION SCHEME



Board 5: Background to the Hydrology & Hydraulic Modelling

Information Input to Computational Model

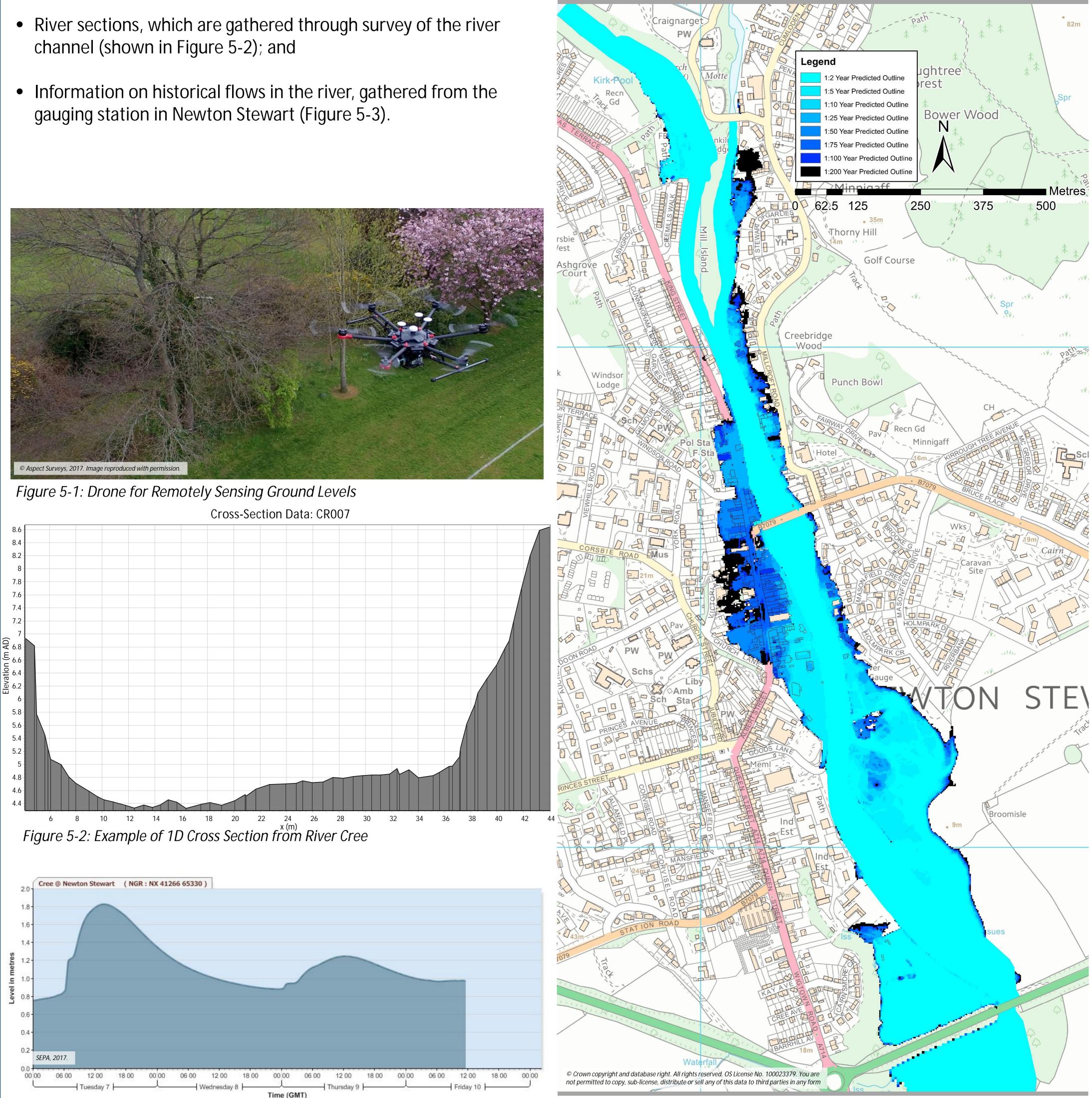
Computational river models consist of the following information:

- Ground and road levels, gathered using survey and remotely sensed data (Figure 5-1);
- channel (shown in Figure 5-2); and
- gauging station in Newton Stewart (Figure 5-3).

Information Output from Computational Model

The river model produces the following:

- Water levels and velocities along the river
- Mapping to indicate areas of flooding (Figure 5-4).



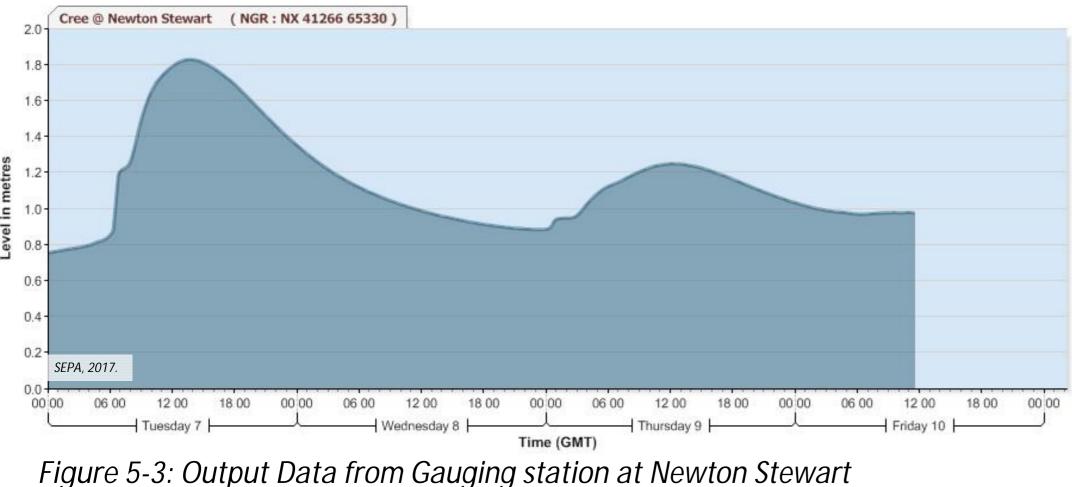


Figure 5-4: Baseline Predicted Flood Outlines

