

**ASSESSMENT OF POLLUTION IMPACTS FROM ACCIDENTAL SPILLAGES**

| <b>REACH</b>            | <b>Road Length (km)</b> | <b>Road type</b> | <b>AADT</b> | <b>HGV%</b> | <b>Pacc</b> | <b>Ppol</b> | <b>Pinc (%)</b> |
|-------------------------|-------------------------|------------------|-------------|-------------|-------------|-------------|-----------------|
| Stewards Brook          | 1.3                     | 5.35             | 35801       | 7.59        | 0.006898    | 0.3         | 0.206942        |
| St Helens Canal         | 3                       | 0.31             | 36055       | 12.71       | 0.001556    | 0.3         | 0.046667        |
| Flood Brook             | 1                       | 5.35             | 45792       | 8.13        | 0.00727     | 0.3         | 0.218096        |
| <b>Stewards Brook</b>   |                         |                  |             |             |             |             | <b>0.21%</b>    |
| <b>St Helen's Canal</b> |                         |                  |             |             |             |             | <b>0.05%</b>    |
| <b>Flood Brook</b>      |                         |                  |             |             |             |             | <b>0.22%</b>    |

Based on:

Stewards Brook - AADT Total = 35801 with 7.59% HGV. Road type used is 'roundabout' to simulate toll plaza

St Helens Canal - AADT Total = 36055 with 12.71% HGV. Road type used is 'no junction'

Flood Brook - AADT Total = 45792 with 8.13% HGV. Road type used is 'roundabout'

These water bodies have been assessed as they are the only water bodies accepting surface water run off from the scheme