# The downstream boundary conditions in both canals:

## Downstream the main canal (Q-h)

|  |  |
| --- | --- |
| Discharge | Water level |
| 0.000001 | 103.153 |
| 2.27 | 103.653 |
| 7.19 | 104.153 |
| 14.16 | 104.653 |
| 23.28 | 105.153 |
| 34.19 | 105.653 |
| 46.96 | 106.153 |
| 61.58 | 106.653 |

## Downstream the branch canal (Q-h)

|  |  |
| --- | --- |
| Discharge | Water level |
| 25.59 | 106.557 |
| 18.88 | 106.057 |
| 10.88 | 105.307 |
| 8.73 | 105.057 |
| 6.82 | 104.807 |
| 5.16 | 104.557 |
| 3.72 | 104.307 |
| 2.51 | 104.057 |

# Model setup

## Grid construction



## Bathymetry



## Hydrodynamic boundary conditions

