**APPENDIX 7**

**FLOOD RISK ASSESSMENT SUMMARY**

***Internal Flood depth in properties before and after the proposed works***

***Each row is one property – 21 properties shown***

*Table provided by Environment Agency*

*using data taken from Network Rail’s Level 3 Flood Risk Assessment dated March 2016*

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Location** | **Flood Depth (m) in the Property - Baseline (existing) Condition** | | | | | **Flood Depth (m) in the Property - Proposed Condition** | | | | |
| **5** | **20** | **75** | **100** | **100+cc** | **5** | **20** | **75** | **100** | **100+cc** |
| **East of the proposed works**  (Within the area where temporary defences can be deployed at Vicarage Road) | 0.20 | 0.52 | 0.63 | 0.65 | 0.78 | 0.22 | 0.52 | 0.64 | 0.65 | 0.78 |
| 0.06 | 0.38 | 0.49 | 0.51 | 0.64 | 0.08 | 0.38 | 0.50 | 0.51 | 0.64 |
| - | - | 0.03 | 0.05 | 0.17 | - | - | 0.03 | 0.06 | 0.17 |
| - | 0.04 | 0.15 | 0.16 | 0.31 | - | 0.04 | 0.15 | 0.19 | 0.31 |
| - | - | 0.08 | 0.1 | 0.22 | - | - | 0.08 | 0.11 | 0.22 |
| - | - | 0.09 | 0.11 | 0.23 | - | - | 0.09 | 0.12 | 0.23 |
| - | 0.08 | 0.18 | 0.19 | 0.33 | - | 0.08 | 0.18 | 0.21 | 0.33 |
| - | 0.1 | 0.2 | 0.21 | 0.36 | - | 0.1 | 0.2 | 0.24 | 0.36 |
| - | 0.07 | 0.17 | 0.19 | 0.31 | - | 0.07 | 0.17 | 0.2 | 0.31 |
| **West of the proposed works**  (Within the area where temporary defences can be deployed at South Hinksey) | 0.2 | 0.45 | 0.57 | 0.58 | 0.69 | 0.17 | 0.45 | 0.57 | 0.59 | 0.71 |
| 0.04 | 0.29 | 0.41 | 0.42 | 0.53 | 0.01 | 0.29 | 0.41 | 0.43 | 0.55 |
| 0.22 | 0.47 | 0.59 | 0.6 | 0.71 | 0.19 | 0.47 | 0.59 | 0.61 | 0.73 |
| 0.24 | 0.49 | 0.61 | 0.62 | 0.73 | 0.21 | 0.49 | 0.61 | 0.63 | 0.75 |
| 0.13 | 0.38 | 0.5 | 0.51 | 0.62 | 0.1 | 0.38 | 0.5 | 0.52 | 0.64 |
| 0.19 | 0.44 | 0.56 | 0.57 | 0.68 | 0.16 | 0.44 | 0.56 | 0.58 | 0.7 |
| 0.11 | 0.36 | 0.48 | 0.49 | 0.6 | 0.08 | 0.36 | 0.48 | 0.5 | 0.62 |
| 0.14 | 0.39 | 0.51 | 0.52 | 0.63 | 0.11 | 0.39 | 0.51 | 0.53 | 0.65 |
| - | 0.17 | 0.29 | 0.3 | 0.41 | - | 0.17 | 0.29 | 0.31 | 0.43 |
| - | 0.47 | 0.59 | 0.6 | 0.71 | - | 0.47 | 0.59 | 0.61 | 0.73 |
| - | 0.23 | 0.35 | 0.36 | 0.47 | - | 0.23 | 0.35 | 0.37 | 0.49 |
| - | 0.19 | 0.3 | 0.32 | 0.43 | - | 0.18 | 0.3 | 0.33 | 0.45 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Small decrease in levels (1 to 3cm) |  | No change in level |  | Small increase in levels  (1 to 3cm) |

Properties with existing property level flood protection