


Model run	Hard Bed	Soft bed	Increased Manning's
Model run description	All silt removed downstream of Firsby rail bridge	Silt levels based on 2014 survey	No channel maintenance
Flood area extent (km2)	0.15	0.15	0.4
Number of Properties	0	0	0



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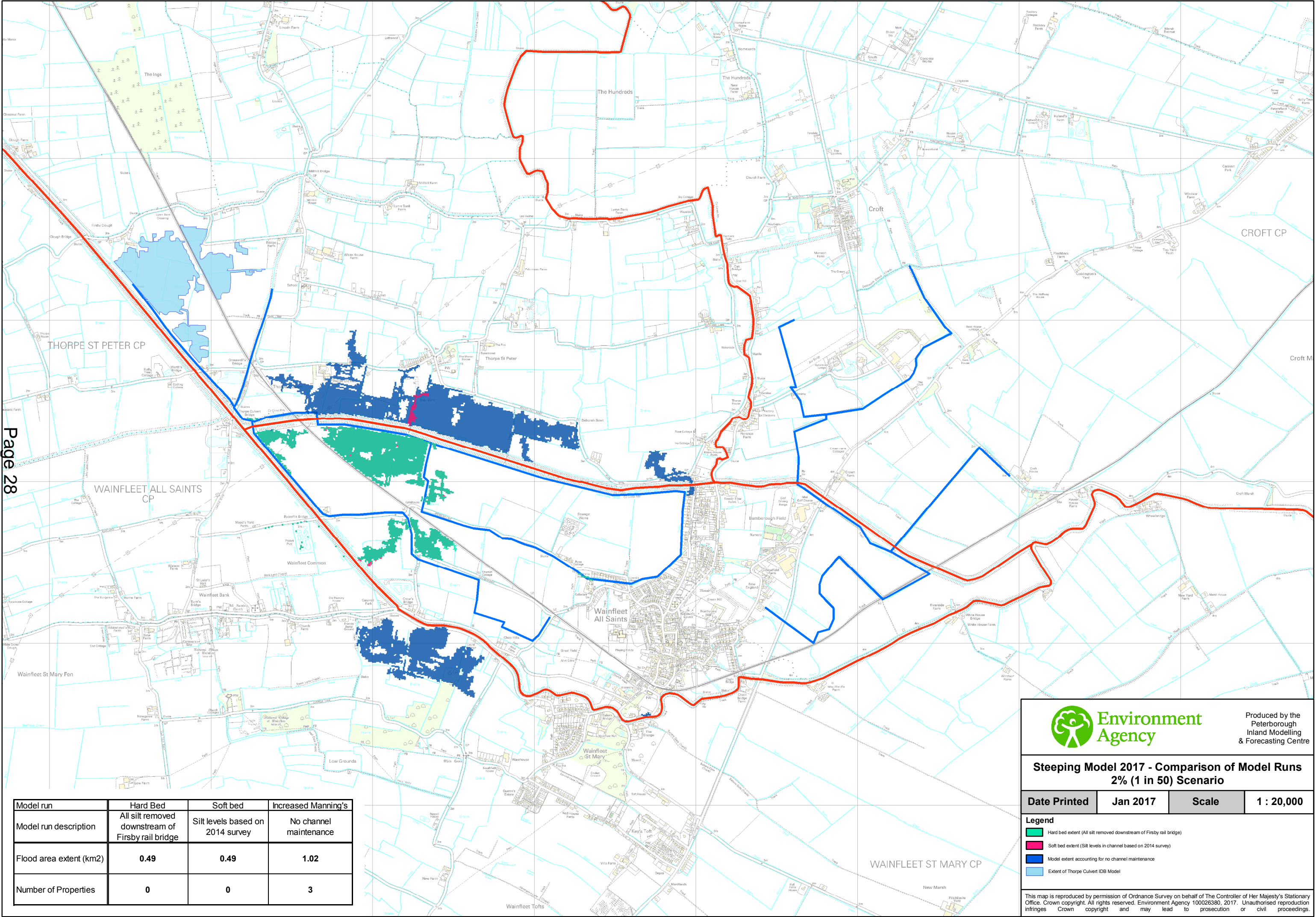
Steeping Model 2017 - Comparison of Model Runs
5% (1 in 20) Scenario

Date Printed	Jan 2017	Scale	1 : 20,000
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Legend

- Hard bed extent (All silt removed downstream of Firsby rail bridge)
- Soft bed extent (Silt levels in channel based on 2014 survey)
- Model extent accounting for no channel maintenance
- Extent of Thorpe Culvert IDB Model

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Model run	Hard Bed	Soft bed	Increased Manning's
Model run description	All silt removed downstream of Firsby rail bridge	Silt levels based on 2014 survey	No channel maintenance
Flood area extent (km2)	0.49	0.49	1.02
Number of Properties	0	0	3



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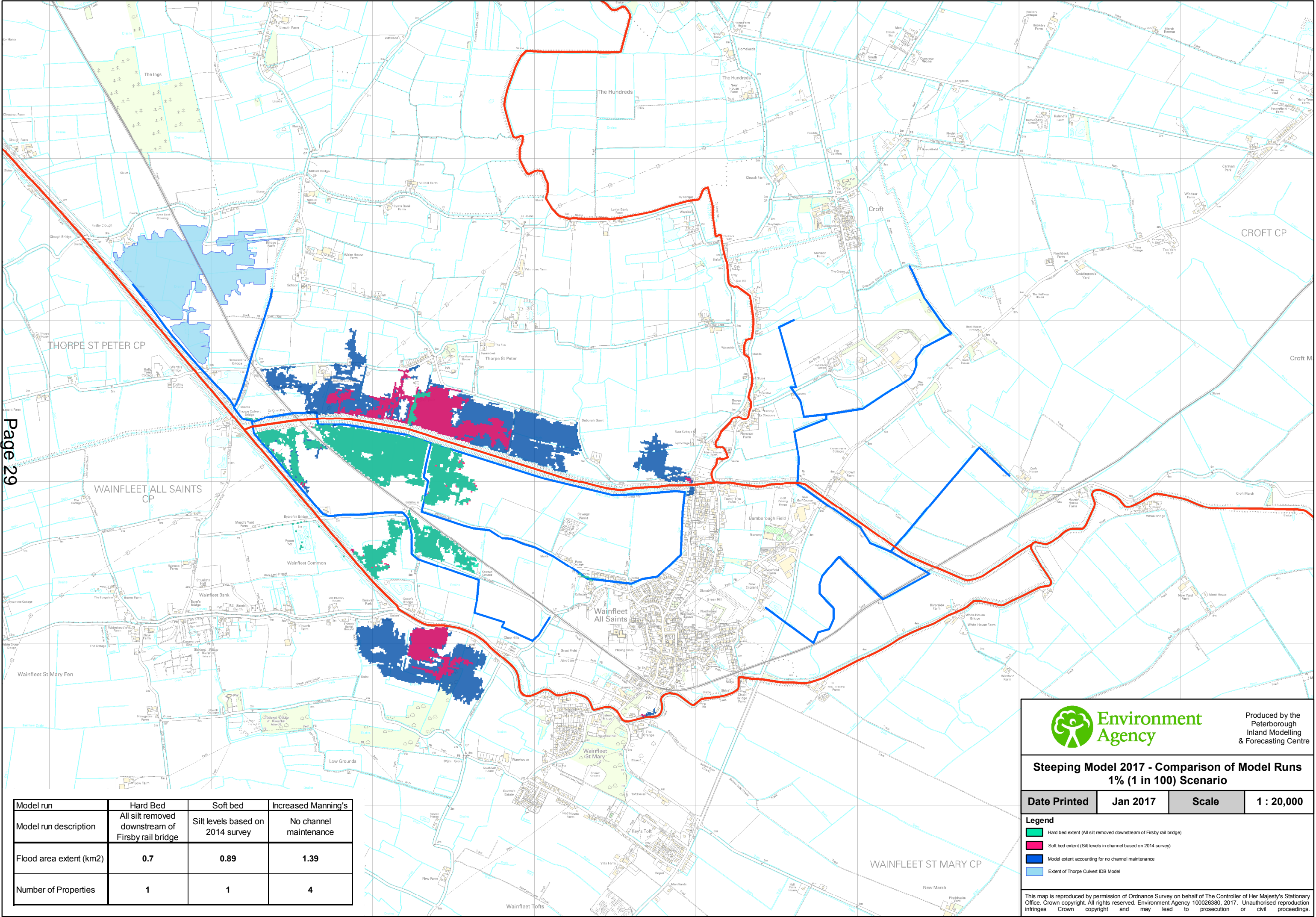
Steeping Model 2017 - Comparison of Model Runs
2% (1 in 50) Scenario

Date Printed	Jan 2017	Scale	1 : 20,000
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Legend

- Hard bed extent (All silt removed downstream of Firsby rail bridge)
- Soft bed extent (Silt levels in channel based on 2014 survey)
- Model extent accounting for no channel maintenance
- Extent of Thorpe Culvert IDB Model

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Model run	Hard Bed	Soft bed	Increased Manning's
Model run description	All silt removed downstream of Firsby rail bridge	Silt levels based on 2014 survey	No channel maintenance
Flood area extent (km2)	0.7	0.89	1.39
Number of Properties	1	1	4



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**Steeping Model 2017 - Comparison of Model Runs
1% (1 in 100) Scenario**

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Legend

- Hard bed extent (All silt removed downstream of Firsby rail bridge)
- Soft bed extent (Silt levels in channel based on 2014 survey)
- Model extent accounting for no channel maintenance
- Extent of Thorpe Culvert IDB Model

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