

2.10.2 Operational flooding impacts - velocity

Submission number(s)

021, 081, Clarence Valley Council.

Issue description

1. A 20 per cent increase in velocity from Cassons Creek will increase scouring and result in floodwaters moving equipment and vegetation. The EIS states this would be contained in the creek- this is incorrect.

Response

1. The EIS or the Working paper - Hydrology and flooding does not state that the flows / water would be contained within Cassons Creek.

The EIS clearly states below-

8.4.3 Corindi River

Velocities at the project boundary, downstream of the 85 metre bridge over Corindi River, are up to 1.6 metres per second in the 100 year ARI flood event, which is an increase of about five per cent from the current situation. These impacts dissipate downstream to close to zero per cent within about 100 metres of the project boundary.

Velocities downstream of the 280 metre floodplain bridge would be around 1.4 metres per second in the 100 year ARI flood event, which is an increase of 20 per cent compared to the existing scenario. The area downstream of the bridge is open grassland, and is not expected to experience increased scour as a result of the greater velocities.

Velocities downstream of the 56 metre bridge over Cassons Creek are up to 1.5 metres per second in the 100 year ARI flood event, which is an increase of 20 per cent compared to the existing scenario. These increased velocities are contained within Cassons Creek, and decrease to less than one metre per second within 125 metres of the project boundary.

2.10.2 Operational flooding impacts - velocity

Submission number(s)

021, 081, Clarence Valley Council.

Issue description

1. A 20 per cent increase in velocity from Cassons Creek will increase scouring and result in floodwaters moving equipment and vegetation. The EIS states this would be contained in the creek- this is incorrect.

Response

1. The EIS or the Working paper - Hydrology and flooding does not state that the flows / water would be contained within Cassons Creek.