

Management Zone CU—rules and assessment criteria

Plan commenced: 7 June 2019

Term of the plan: 10 years

Rules summary

The following rules are a guide only. For more information about the flood work application process please call 1300 662 077.

Table 1. Rules for Management Zone CU

Ref.	Rule
1.	All flood works All flood work applications in Management Zone (MZ) CU must be assessed against the assessment criteria for MZ CU.

Assessment criteria summary

Flood work applications in MZ CU must be assessed against the following assessment criteria.

The assessment criteria are a guide only. For more information about the flood work application process please call 1300 662 077.

Applicants may be required to submit technical studies or supporting information to demonstrate that a flood work or proposed flood work meets the criteria outlined in the plan.

Table 2. Assessment criteria for Management Zone CU

Ref.	Criterion
1.	Ecological and cultural impacts A flood work approval must not be granted or amended to authorise the construction or modification of a flood work in MZ CU unless, in the minister's opinion, the construction or modification of the flood will maintain adequate flood connectivity to: <ul style="list-style-type: none">(a) ecological assets, and(b) facilitate fish passage, under a range of flood scenarios including, at a minimum, scenarios for the relevant small and large design floods.

Ref.	Criterion
2.	<p>Ecological and cultural impacts continued</p> <p>A flood work approval must not be granted or amended to authorise the construction or modification of a flood work in MZ CU unless, in the minister’s opinion, the construction or modification of the flood will maintain adequate flood connectivity to:</p> <ul style="list-style-type: none"> (a) Aboriginal values, and (b) heritage sites, <p>under a range of flood scenarios including, at a minimum, scenarios for the relevant large and small design floods.</p>
3.	<p>Ecological and cultural impacts continued</p> <p>A flood work approval must not be granted or amended to authorise the construction or modification of a flood work in MZ CU if, in the minister’s opinion, the construction or modification of the flood work is likely to disturb the ground surface of a heritage site or cause more than minimal erosion to a heritage site.</p>
4.	<p>Drainage impacts</p> <p>A flood work approval must not be granted or amended to authorise the construction or modification of a flood work in MZ CU unless, in the minister’s opinion, the flood work can be constructed or modified to maintain drainage on adjacent landholdings and other landholdings that may be affected by the proposed flood work within 12 hours of existing drainage time when compared to drainage times under pre-development and existing development conditions for a range of flood scenarios including, at a minimum, scenarios for the relevant small and large design floods.</p>
5.	<p>Hydraulic local impacts</p> <p>In determining whether to grant or amend a flood work approval to authorise the construction or modification of a flood work in MZ CU, the minister may have regard to whether construction or modification of the flood work would be likely to:</p> <p>Redistribution</p> <ul style="list-style-type: none"> (a) redistribute the peak flood flow by more than 5% on adjacent landholdings and other landholdings that may be affected by the proposed flood work when compared to the peak flood flow under pre-development and existing development conditions for one or more flood scenarios, or
6.	<p>Hydraulic local impacts—flood levels</p> <ul style="list-style-type: none"> (b) increase flood levels by more than 20 cm on adjacent landholdings and other landholdings that may be affected by the proposed flood work when compared to flood levels under pre-development and existing development conditions under one or more flood scenarios, or

Ref.	Criterion
7.	<p>Hydraulic local impacts—flood flow velocities</p> <p>(c) increase flow velocity by more than 50% on the landholding under application, adjacent landholdings and other landholdings that may be affected by the proposed flood work when compared to flow velocity under pre-development conditions under one or more flood scenarios, unless:</p> <ul style="list-style-type: none"> (i) increases by more than 50% are in isolated areas where the landholder mitigates the impact on the flood wave so that the average impact across the landholding under application is no greater than 50%, and (ii) flow velocity is not increased by more than 50% at the boundary of the landholding under application, or
8.	<p>Hydraulic local impacts—flood levels and impact on high-value infrastructure</p> <p>(d) increase flood levels such that they impact high-value infrastructure when compared to flood levels under pre-development and existing development conditions under one or more flood scenarios, or</p>
9.	<p>Hydraulic local impacts—flow velocities and soil erodibility</p> <p>(e) increase flow velocity by an amount that is likely to have more than a minimal impact on soil erodibility on the landholding under application, adjacent landholdings and other landholdings that may be affected by the proposed flood work, taking into account the ground cover on those landholdings.</p>
10.	<p>Hydraulic cumulative impacts</p> <p>In determining whether to grant or amend a flood work approval to authorise the construction or modification of a flood work in MZ CU the minister may have regard to whether construction or modification of the flood work is or is likely to redistribute the peak flood flow by more than 5% at any of the peak discharge calculation locations as determined by the minister, when compared to redistribution under existing development conditions under one or more flood scenarios considered relevant by the minister.</p>

More information

More information about the Upper Namoi Valley Floodplain Management Plan 2019 is available at the NSW Department of Planning, Industry and Environment’s website, www.industry.nsw.gov.au/water