Drains
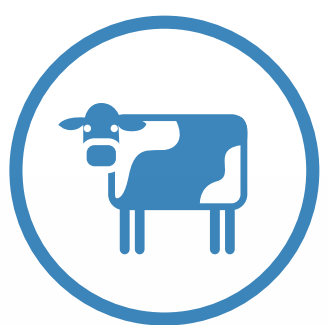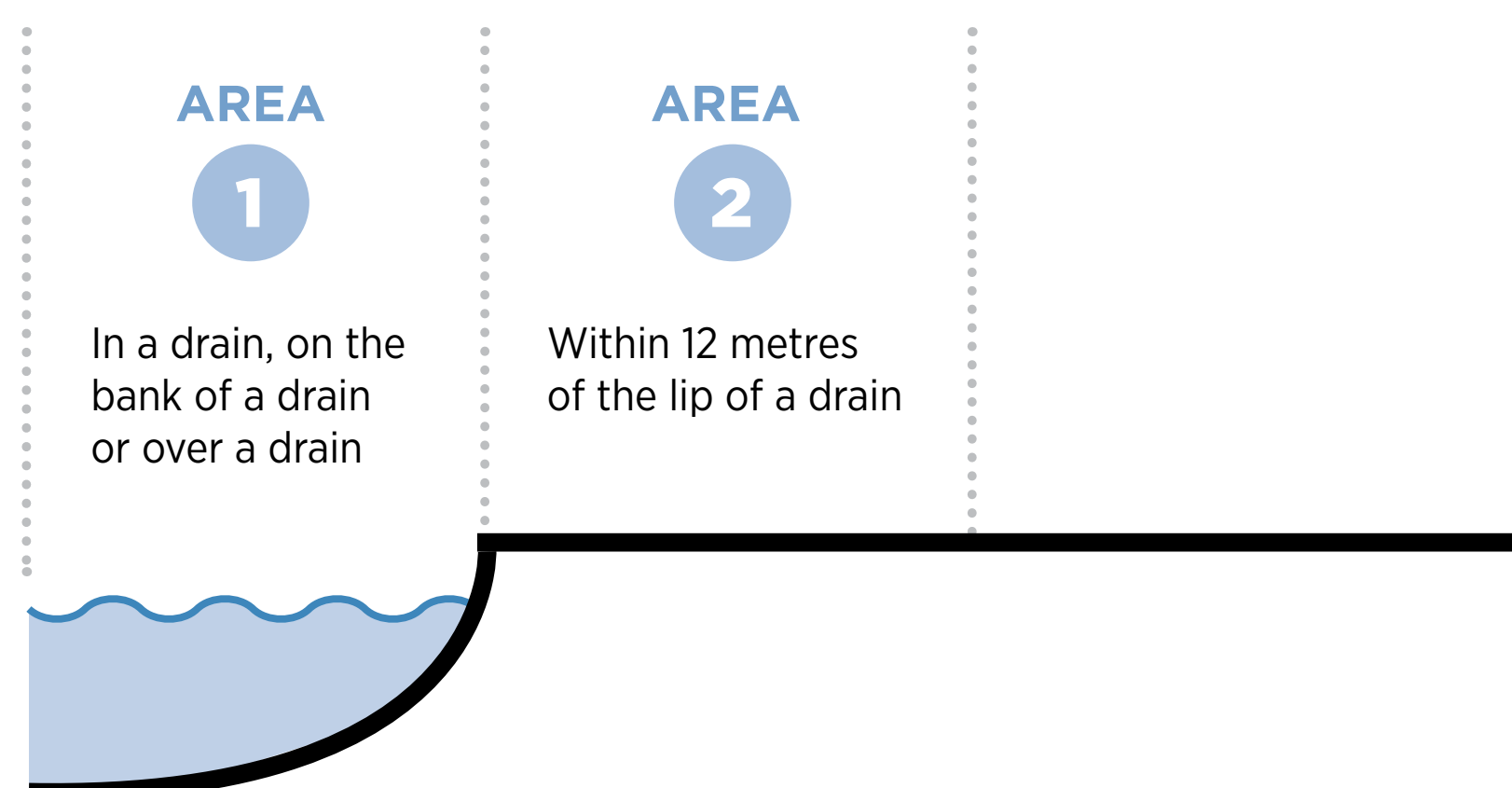
The Bylaw Applicable Areas for drains are not changing.

FLOODWAY AND DRAINAGE BYLAW APPLICABLE AREAS – **DRAINAGE SCHEME DRAINS**

AREA
1

In a drain, on the bank of a drain or over a drain

AREA
2

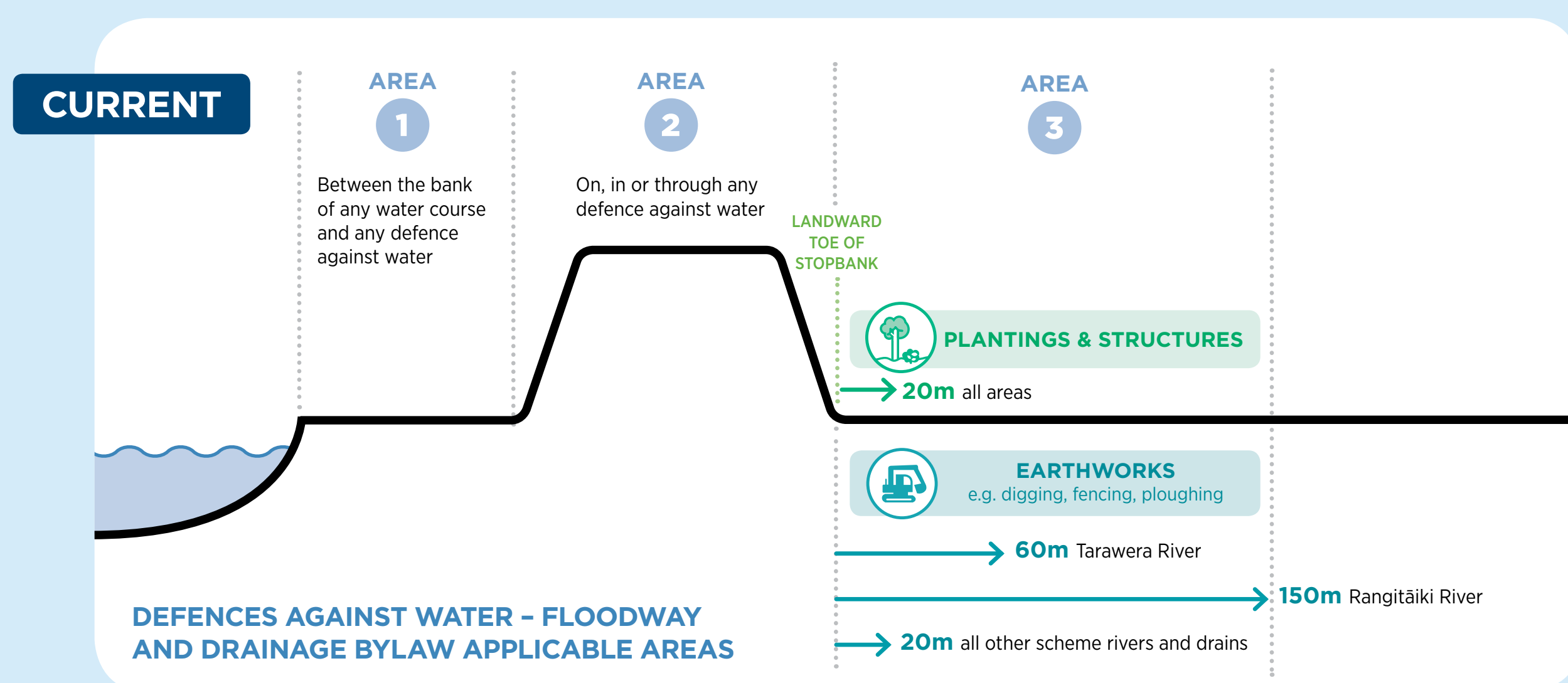Within 12 metres of the lip of a drain

We want to make the existing clauses around stock access to drains clearer.

We are proposing no stock access to any drain, or the bank of any drain, without prior written authority.
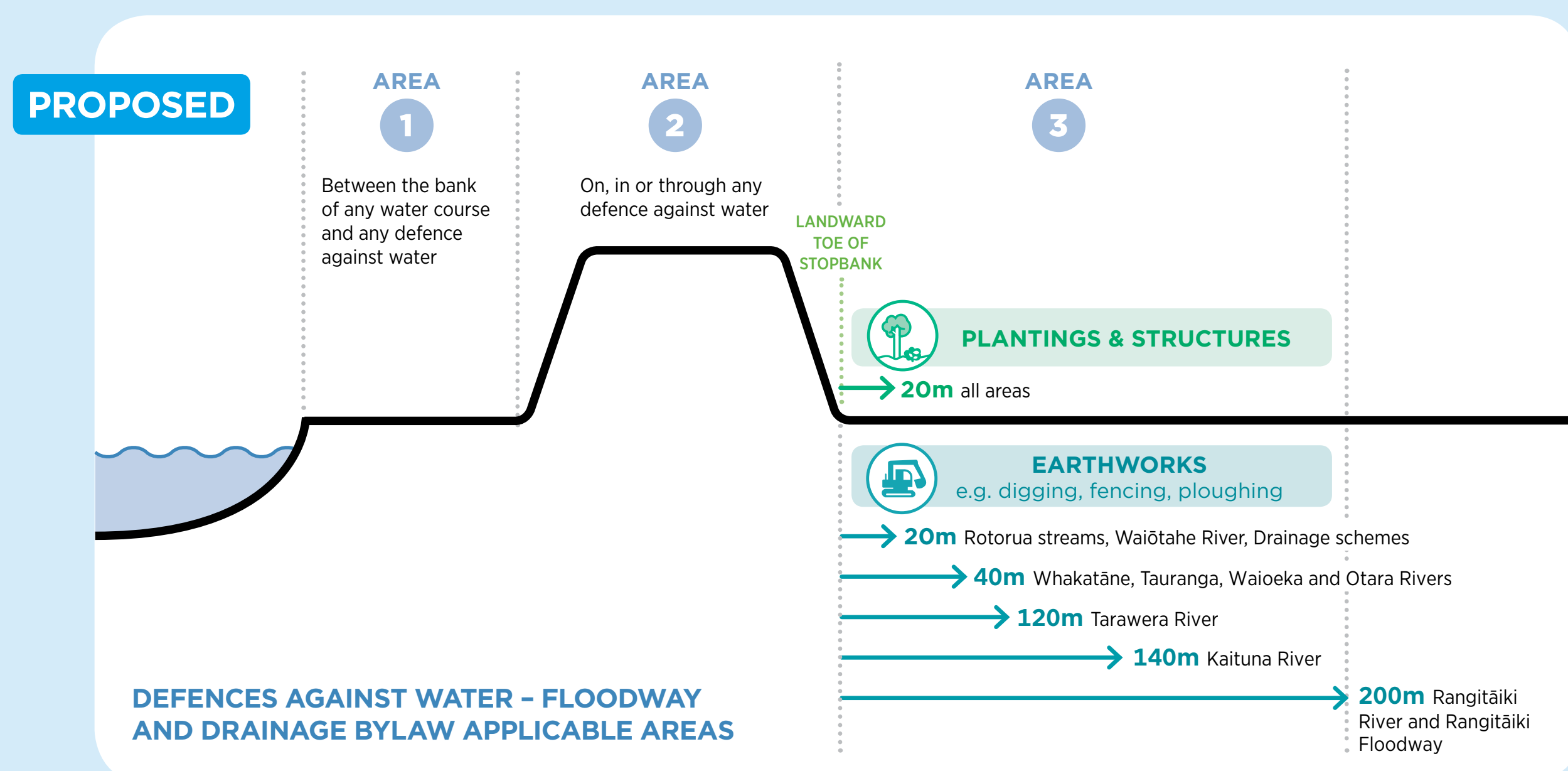
What do you think?

Defences against water

CURRENT

AREA **1**
Between the bank of any water course and any defence against water

AREA **2**
On, in or through any defence against water

AREA **3**

LANDWARD TOE OF STOPBANK

🌳 PLANTINGS & STRUCTURES
→ **20m** all areas

🚜 EARTHWORKS
e.g. digging, fencing, ploughing
→ **60m** Tarawera River
→ **150m** Rangitāiki River
→ **20m** all other scheme rivers and drains

DEFENCES AGAINST WATER – FLOODWAY AND DRAINAGE BYLAW APPLICABLE AREAS

PROPOSED

AREA **1**
Between the bank of any water course and any defence against water

AREA **2**
On, in or through any defence against water

AREA **3**

LANDWARD TOE OF STOPBANK

🌳 PLANTINGS & STRUCTURES
→ **20m** all areas

🚜 EARTHWORKS
e.g. digging, fencing, ploughing
→ **20m** Rotorua streams, Waiōtahe River, Drainage schemes
→ **40m** Whakatāne, Tauranga, Waioeka and Otara Rivers
→ **120m** Tarawera River
→ **140m** Kaituna River
→ **200m** Rangitāiki River and Rangitāiki Floodway

DEFENCES AGAINST WATER – FLOODWAY AND DRAINAGE BYLAW APPLICABLE AREAS

No change to Bylaw Applicable Areas 1 and 2.

Larger distances are proposed for earthworks in Bylaw Applicable Area 3.

🚜 **Earthworks** describes disturbance of the soil and can include digging, fencing, ploughing, shelterbelt planting and post driving for horticultural development.

Here's a summary of the proposed changes to Bylaw Applicable Area 3

Waterway	Current distance (metres)	Proposed distance (metres)
Lower Kaituna River	20	**140**
Rotorua streams (Waingaehe, Puarenga, Utuhina, Mangakakahi, Otamatea, Waiowhiro, Ngongotahā, Waitetī)	20	**20**
Tarawera River	60	**120**
Rangitāiki River (including Rangitāiki Floodway)	150	**200**
Whakatāne, Tauranga, Waioeka and Otara and Rivers	20	**40**
Drainage scheme drains and canals	20	**20**

To determine these distances we took into account:

- Historic data and staff observations from previous flood events

- Assessment of geotechnical investigations around the region

- The results of computer-generated models that predict soil, river and asset performance during a flood event

Erosion protection works

Mechanisms to safeguard erosion protection works are weak in the current Bylaw, so these important assets have specific mention in the proposed review.

Except with prior written authority no person shall:

a. Remove, damage, or allow stock to damage, any erosion protection works that have been placed, or planted, adjacent to a river by the Council or its predecessors.

b. Dump or deposit any item on, in or beside any erosion protection works.

Erosion protection works is a term to describe assets, (for example buffer zones and buffer zone plantings, river edge plantings, fencing, rockwork, and trenched willows) which are used to:

• Protect stopbanks and natural channel banks from erosion.

• Maintain channel stability.

• Reduce sediment deposition.