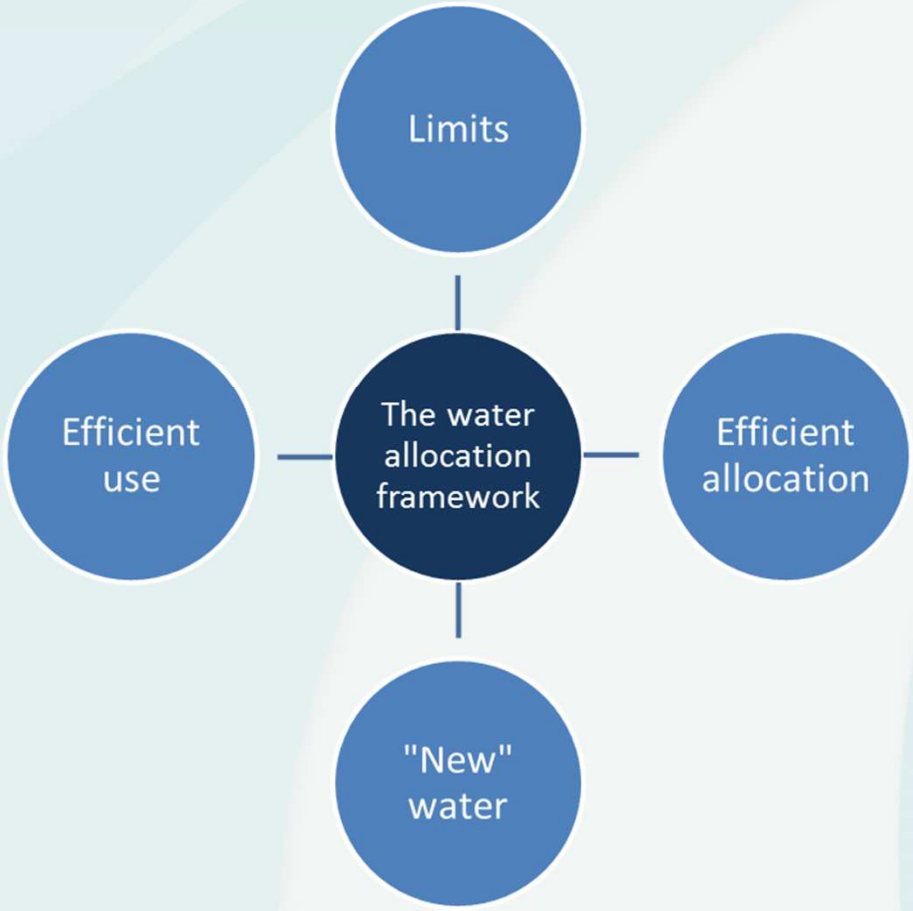
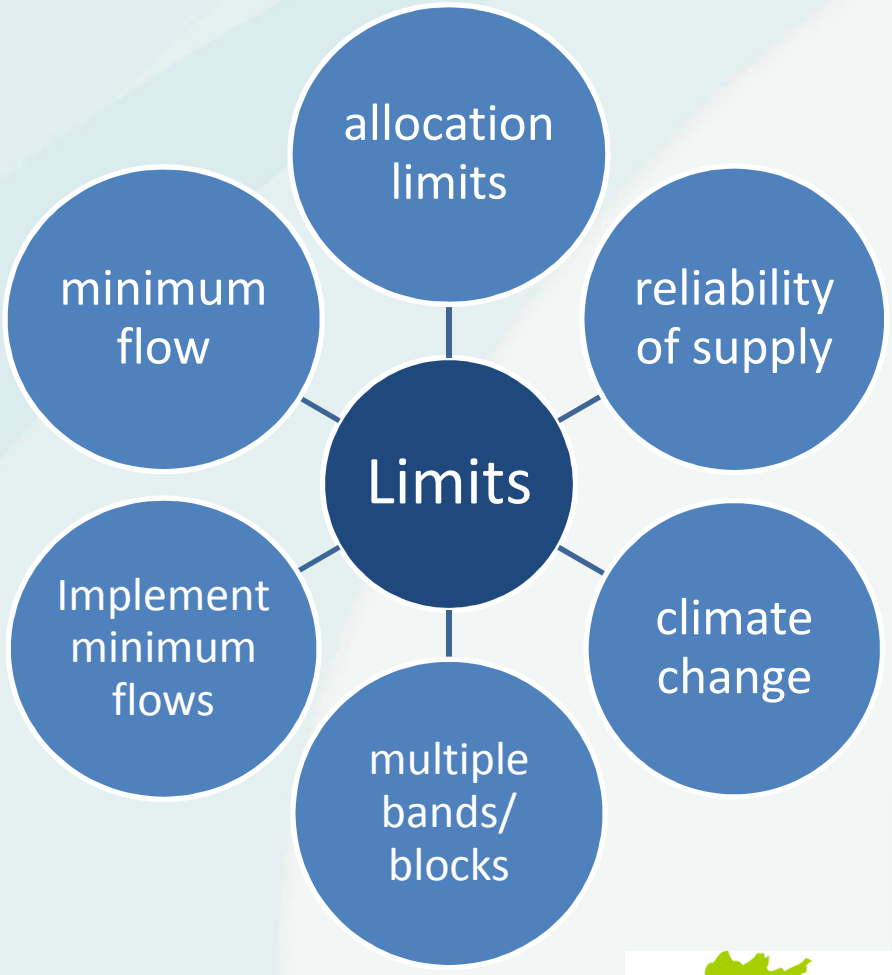
The water allocation framework



greater WELLINGTON
REGIONAL COUNCIL
Te Pane Matua Taiao

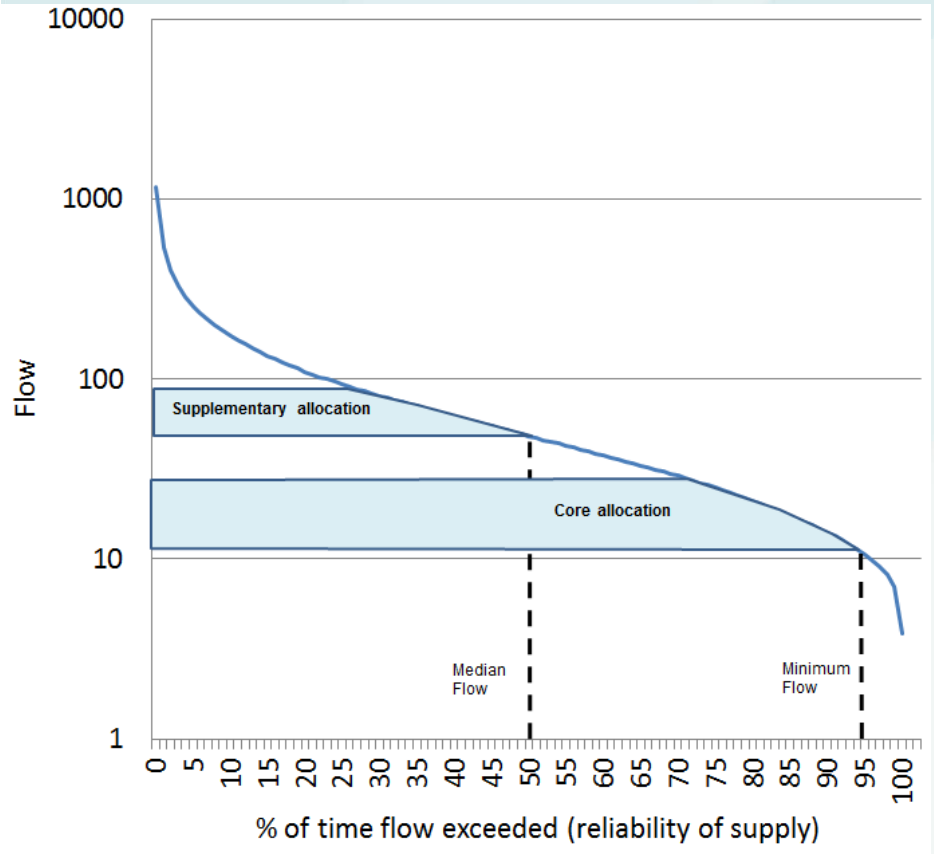
Limits
(the size of the pie)

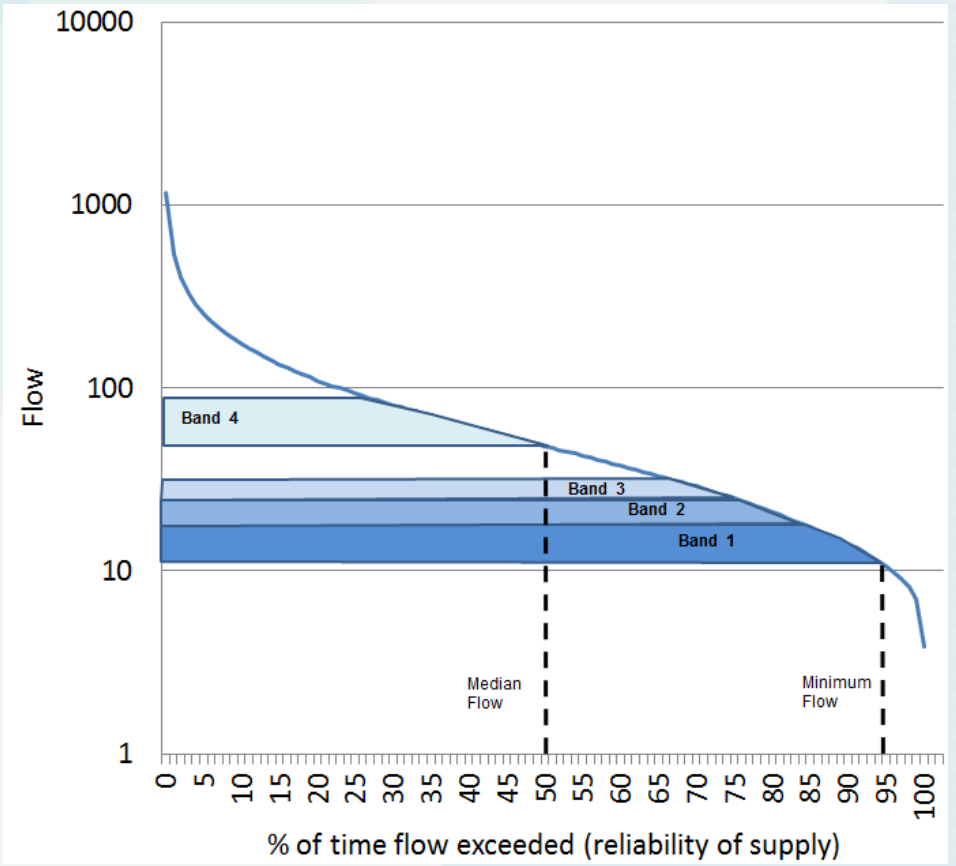


Ruamāhanga Whaitua Committee

greater WELLINGTON
REGIONAL COUNCIL
Te Pane Matua Taiao

Multiple bands/block

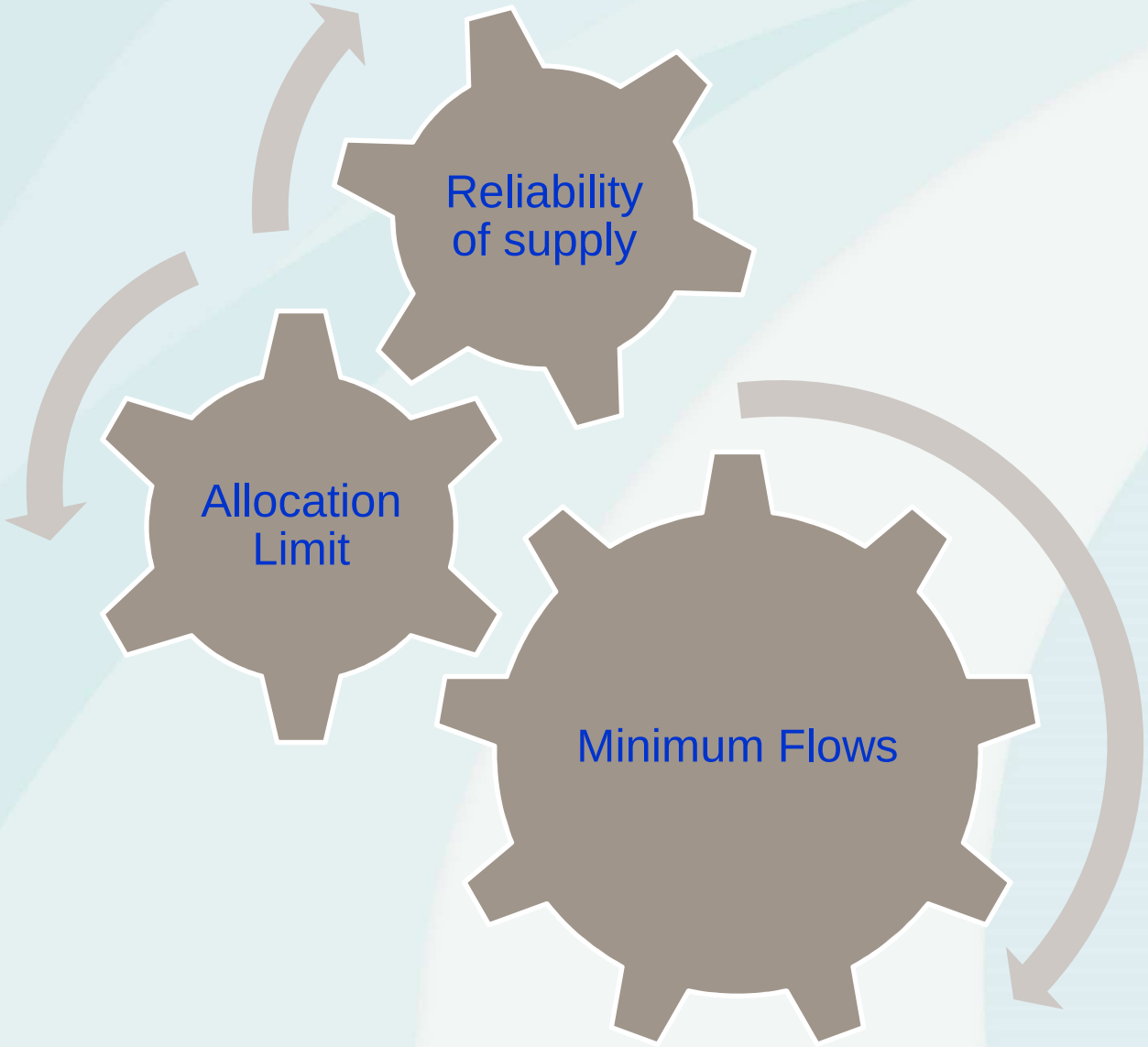




greater WELLINGTON
REGIONAL COUNCIL
Te Pane Matua Taiao

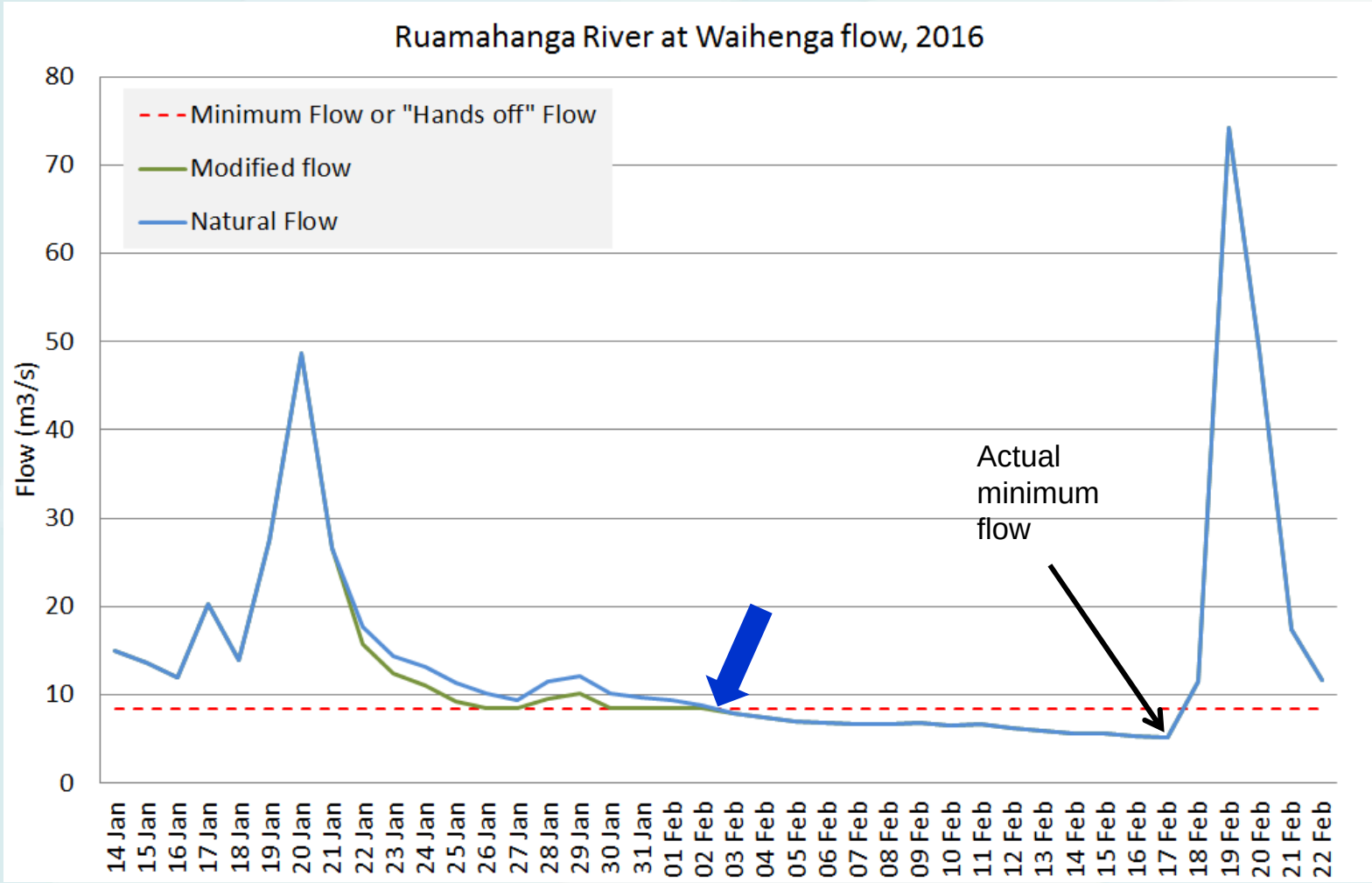
How and where to set the limits?

greater WELLINGTON
REGIONAL COUNCIL
Te Pane Matua Taiao



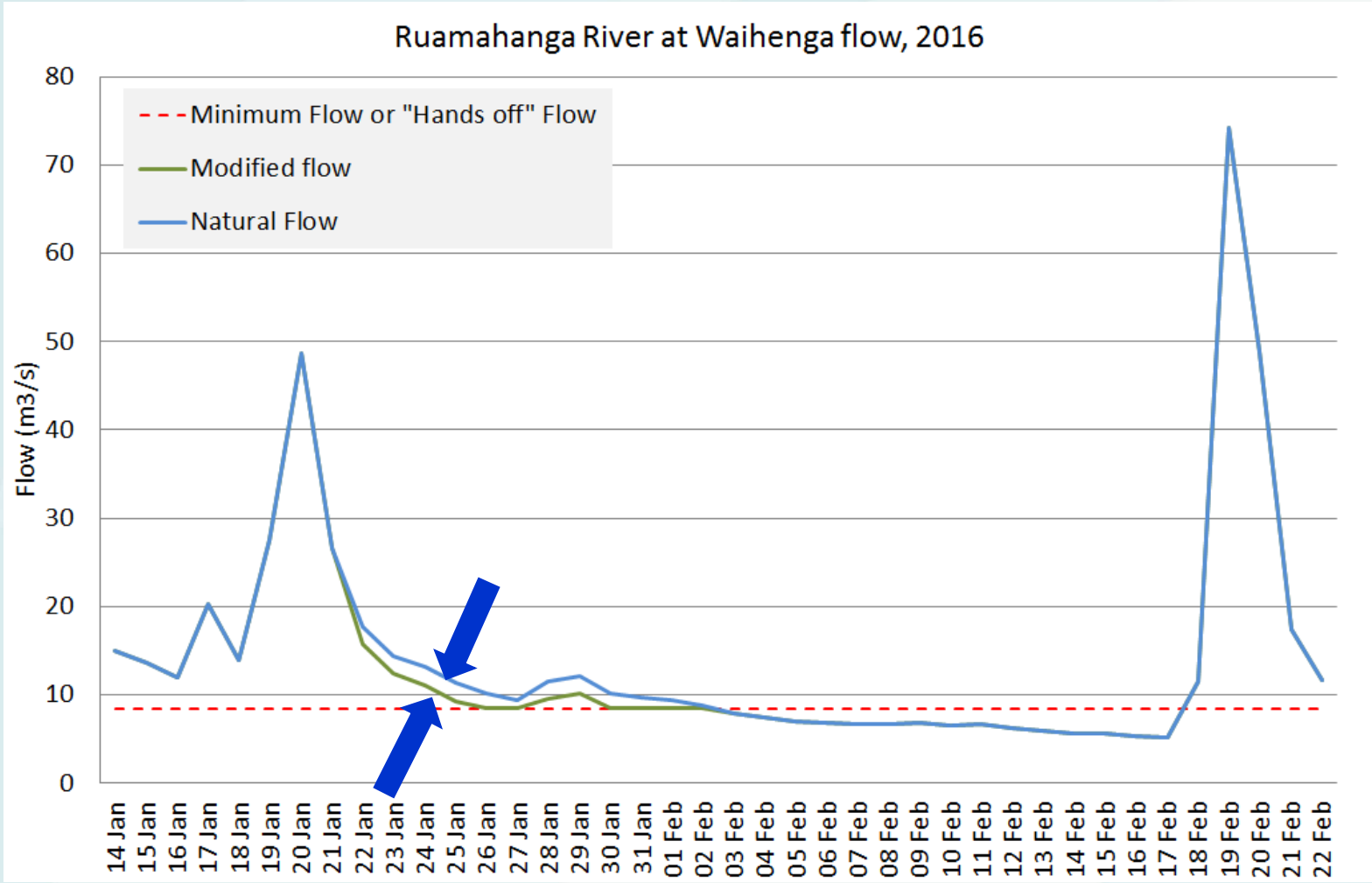
greater WELLINGTON
REGIONAL COUNCIL
Te Pane Matua Taiao

Minimum flows



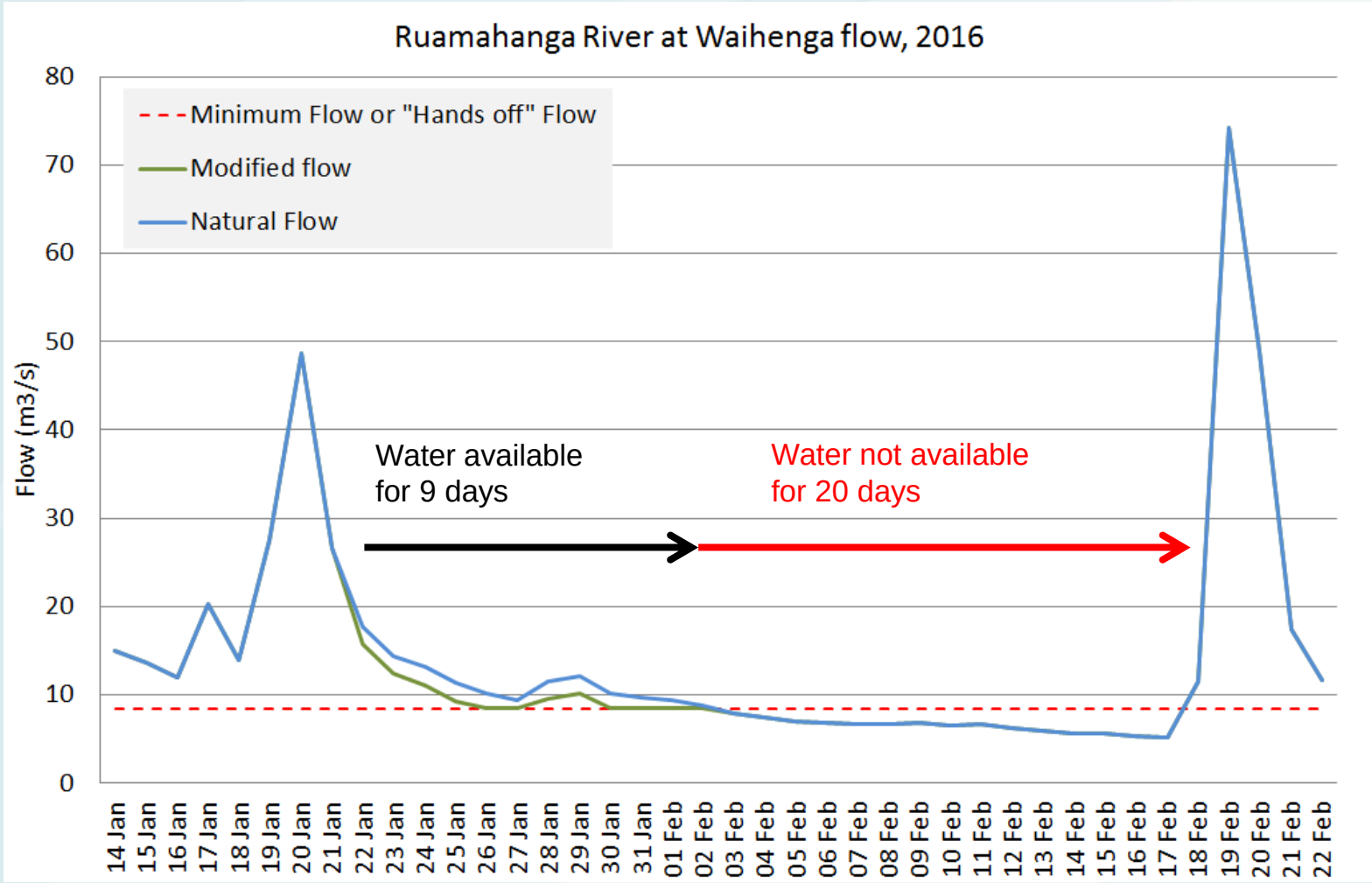
greater WELLINGTON
REGIONAL COUNCIL
Te Pane Matua Taiao

Allocation limit



greater WELLINGTON
REGIONAL COUNCIL
Te Pane Matua Taiao

Reliability of supply



greater WELLINGTON
REGIONAL COUNCIL
Te Pane Matua Taiao

Figure 7.1: Rivers with minimum flows in the Ruamāhanga catchment in Table 7.1

This version of the map is not complete. The version of this map available online through the online web map viewer shows the complete, detailed information on a GIS overlay that is not shown on this hard copy. The online version is available on the Council's website at http://mapping.gw.govt.nz/gwrc/ (select theme Proposed Natural Resources Plan 2015) and can be accessed from the Council offices or public library.

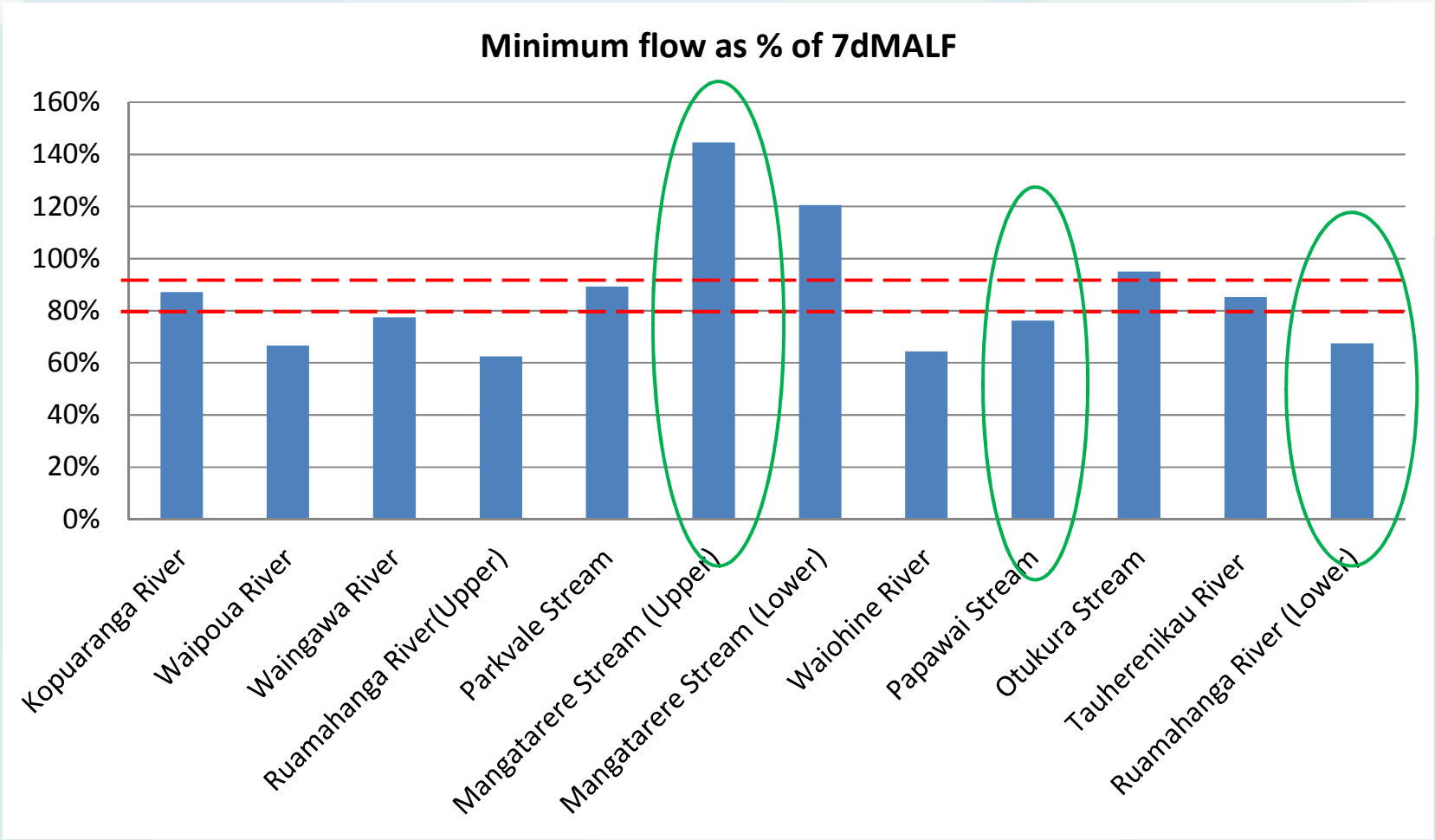
State Highway
Region boundary line
River with minimum flows
River flow management sites
Urban Areas

greaterWELLINGTON REGIONAL COUNCIL Te Pane Matua Taiao

1:350,000

Basemap: World Oceans Base
Projection: NZTM 2000

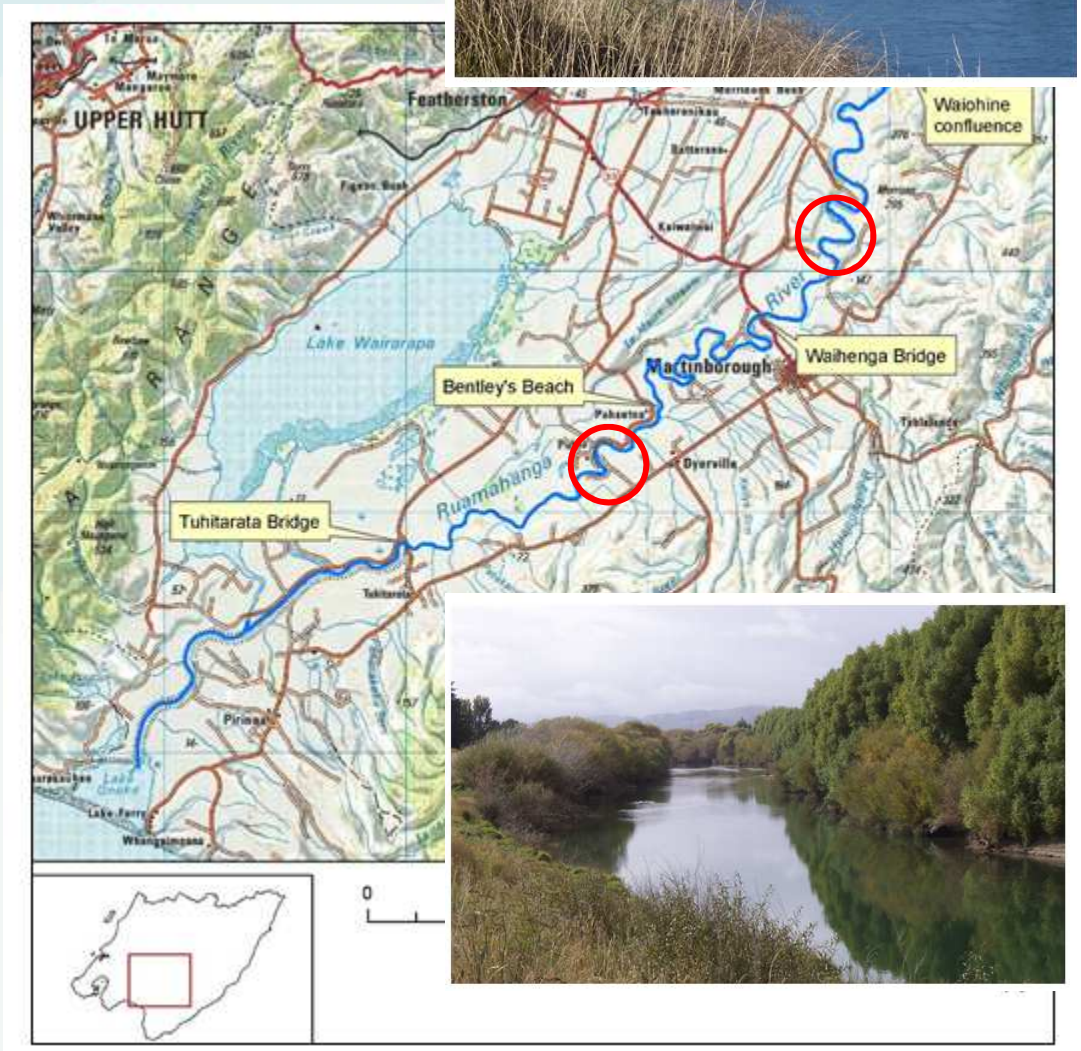
greaterWELLINGTON
REGIONAL COUNCIL
Te Pane Matua Taiao



greater WELLINGTON
REGIONAL COUNCIL
Te Pane Matua Taiao

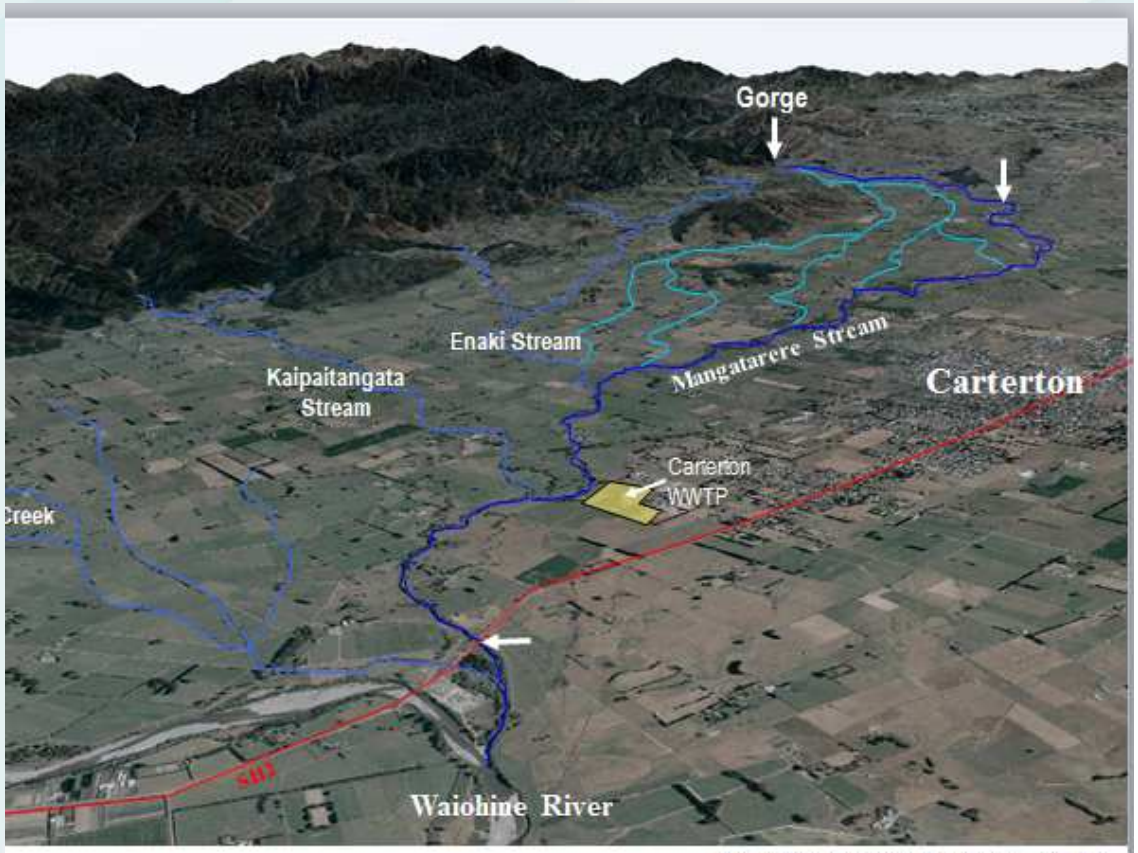
Lower Ruamahanga River

- Minimum flow 8.5 m3/s at Waihenga
- Instream values and IFIM studies in 2007
- Adult brown trout identified as primary flow value
- 90% habitat retention level selected. DO and water temp considered as well as boating and fish passage



Mangatarere River

- Minimum flow 0.24 (upper) and 0.20 m3/s (lower)
- IFIM & WAIORA late 1990s. CAP 2003
- Trout habitat & spawning an important feature
- Dilution of CDC discharge also considered

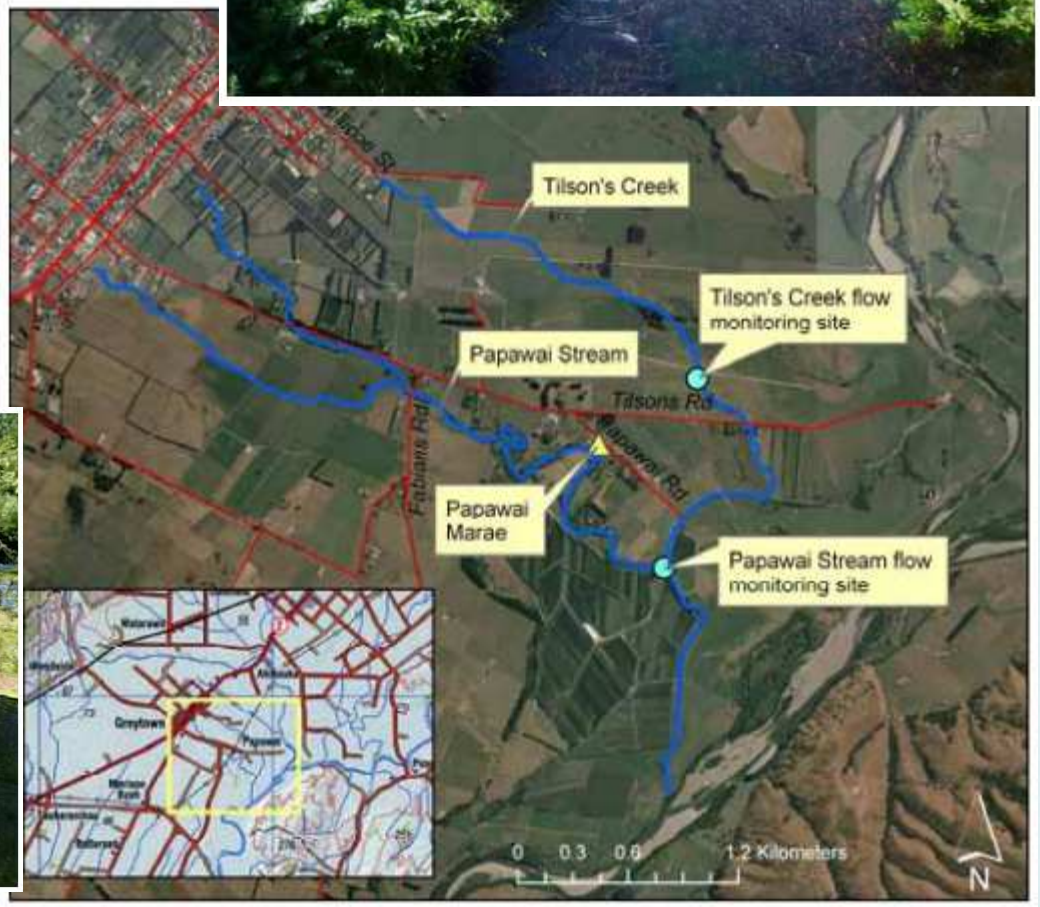


Base photo courtesy of Geographx

greater WELLINGTON
REGIONAL COUNCIL
Te Pane Matua Taiao

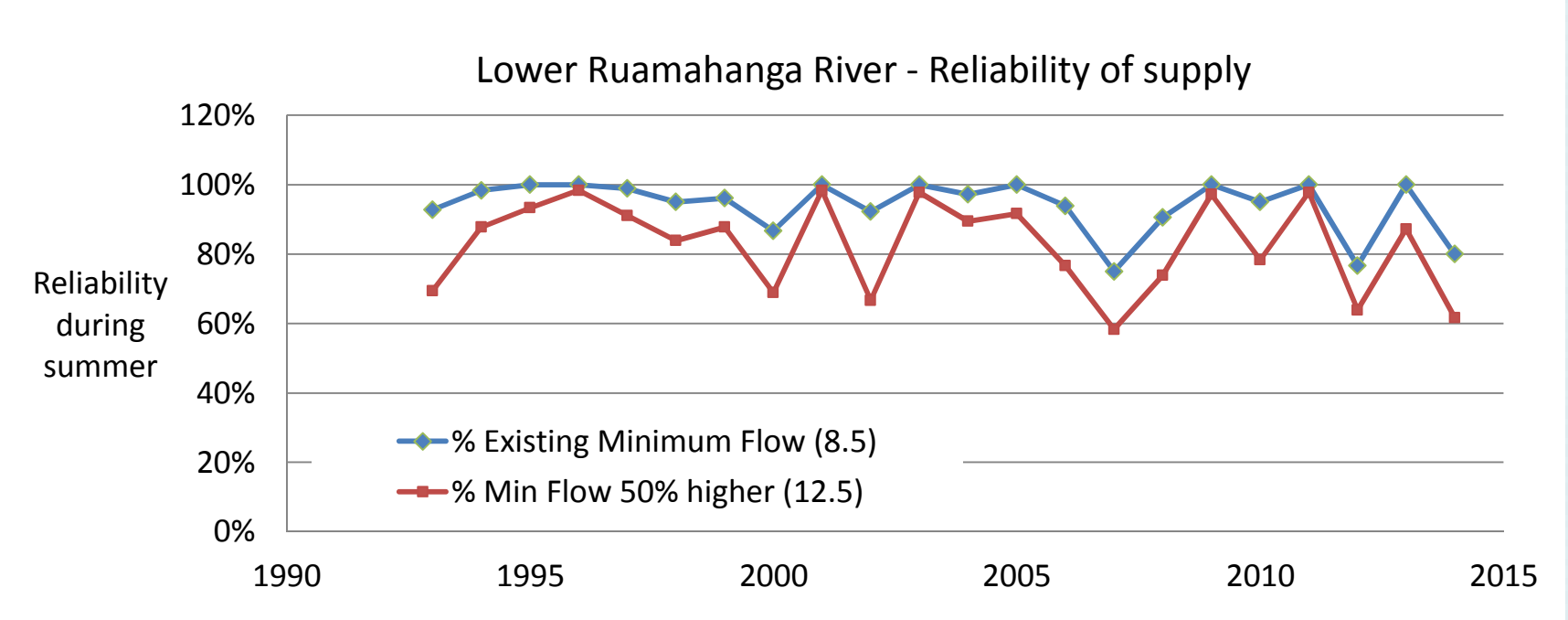
Papawai Stream

- Minimum flow 0.160 m3/s
- Issues and flow assessment in 2008
- Objectives: longfin eels, DO levels, swimming



Lower Ruamahanga

- Existing <u>average</u> reliability = 93%
- Min Flow ↑50%, Reliability ↓10%



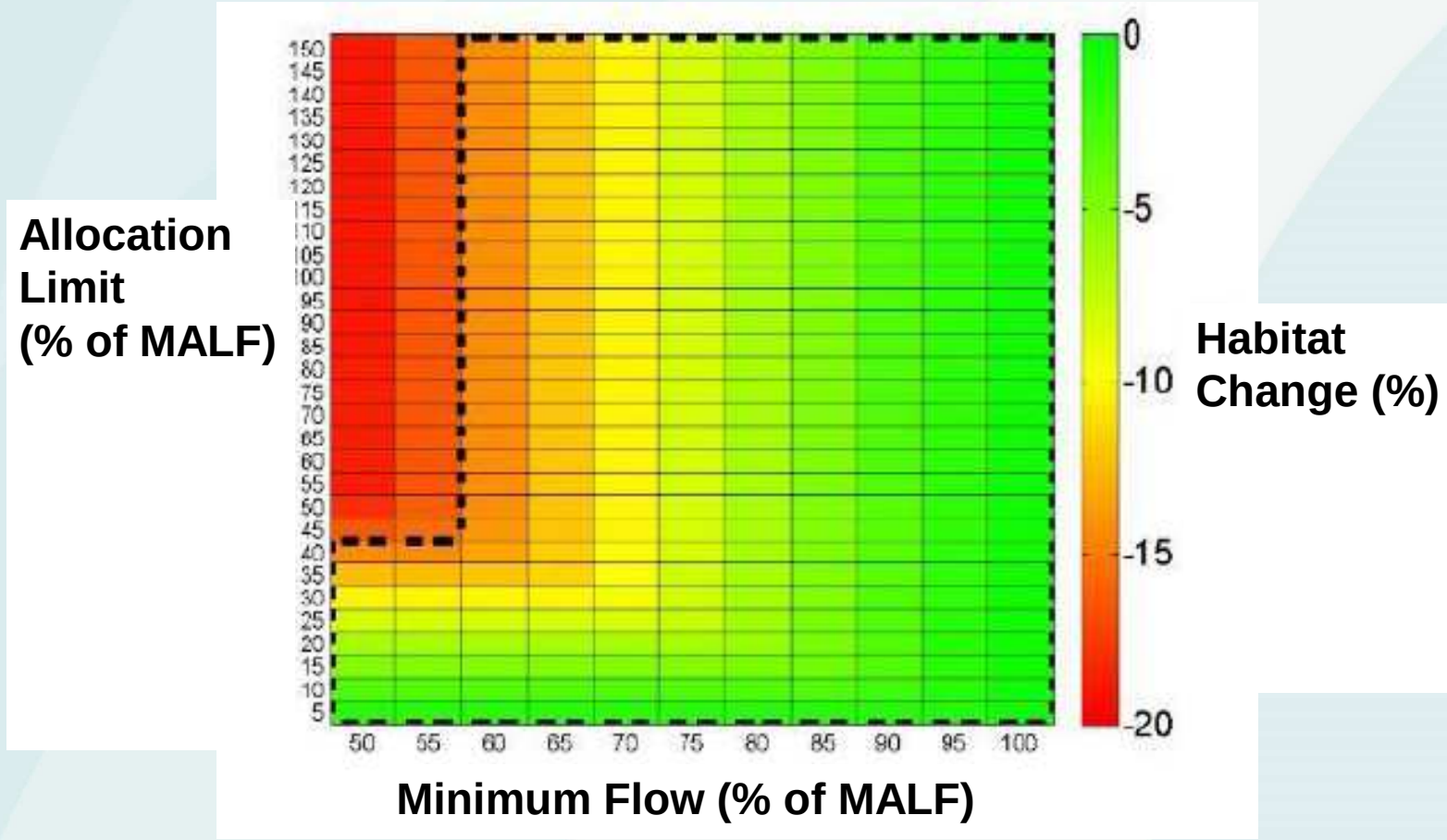
greater WELLINGTON
REGIONAL COUNCIL
Te Pane Matua Taiao

How do outcomes change with different combinations of limits?

greater WELLINGTON
REGIONAL COUNCIL
Te Pane Matua Taiao

Testing limit scenarios

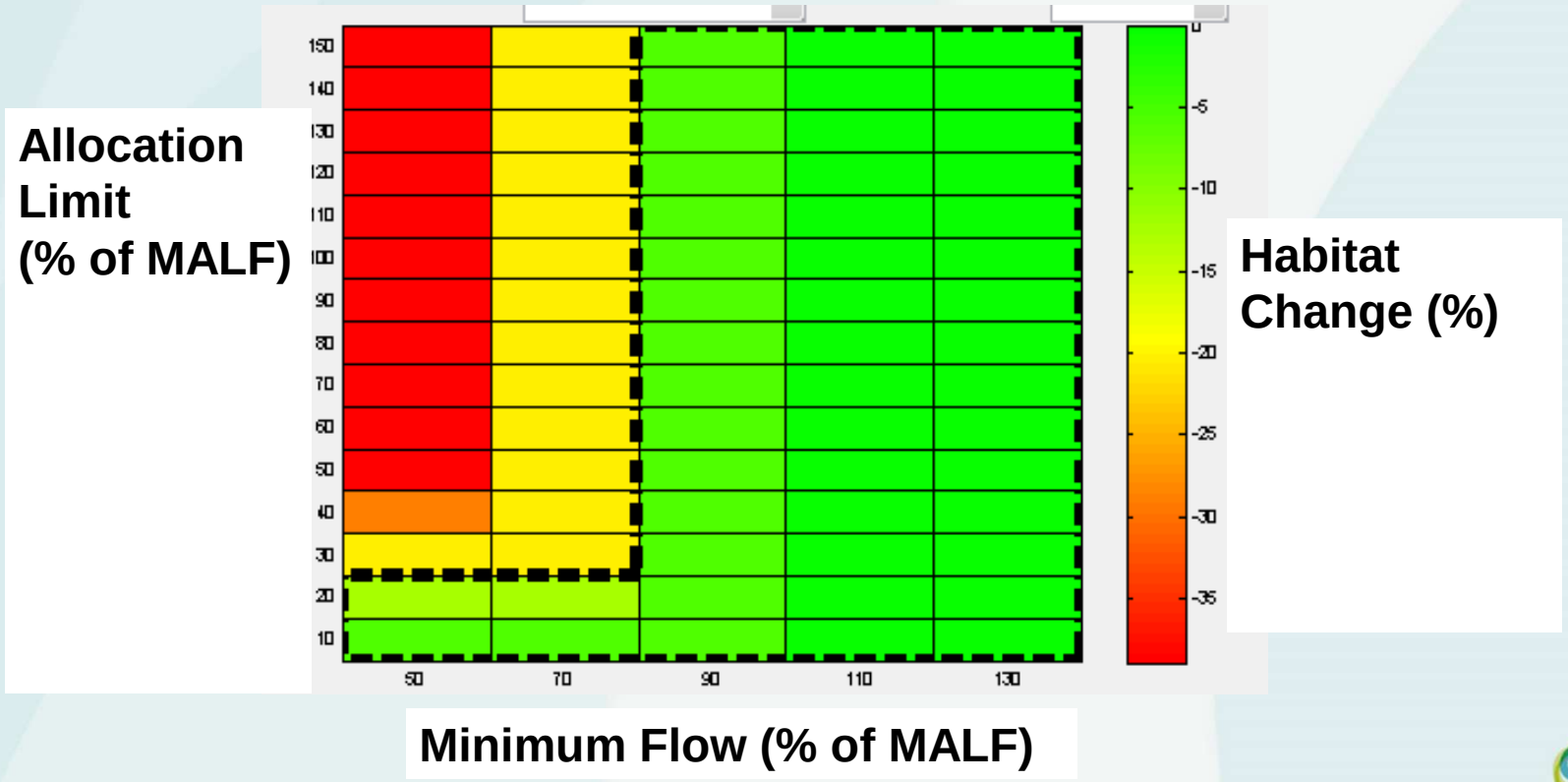
Objective 1a. Loss of long fin eel habitat is <15% of that available at MALF



greater WELLINGTON
REGIONAL COUNCIL
Te Pane Matua Taiao

Testing limit scenarios

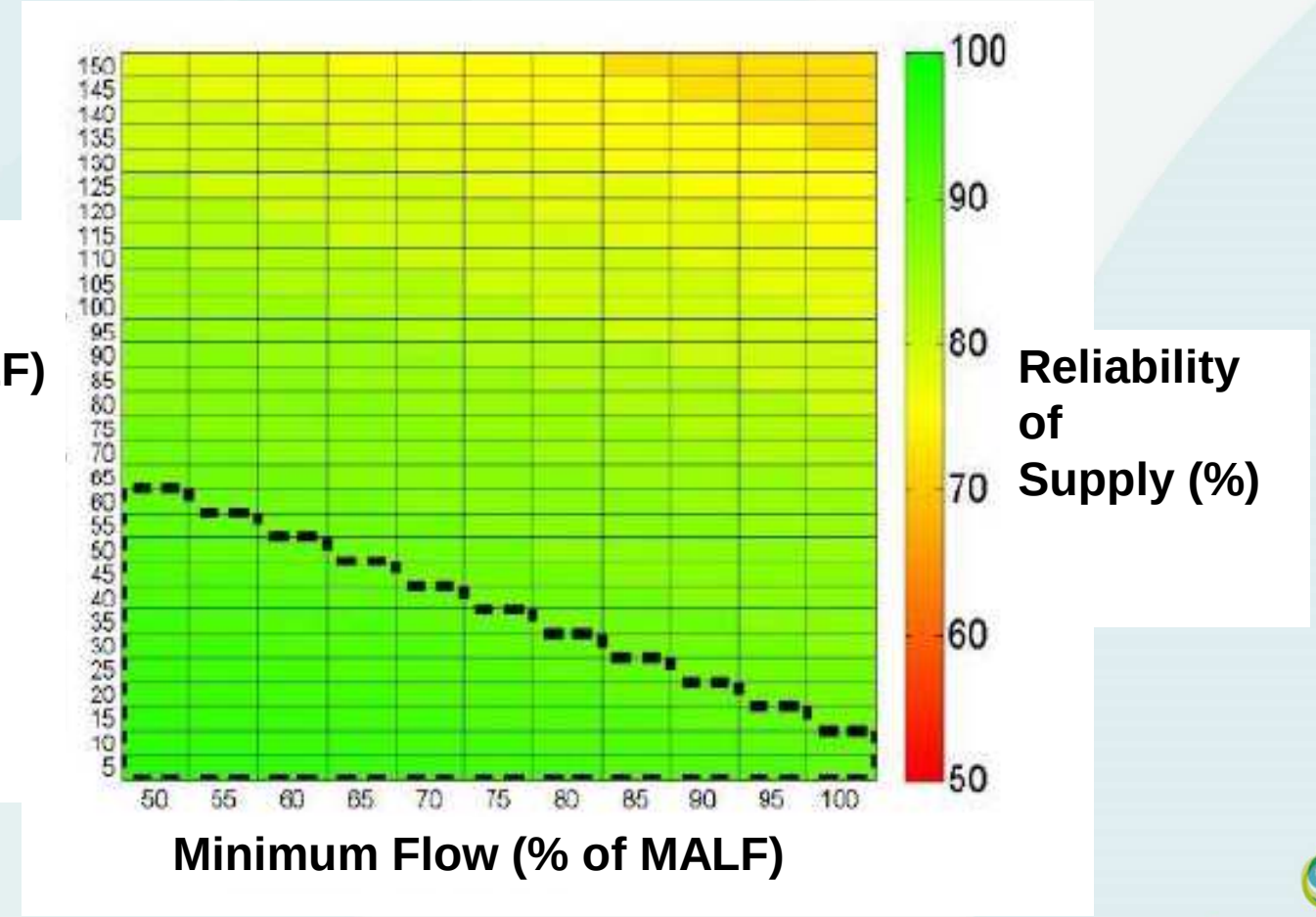
Objective 1b. Loss of torrent fish habitat is <15% of that available at MALF



greater WELLINGTON
REGIONAL COUNCIL
Te Pane Matua Taiao

Testing limit scenarios

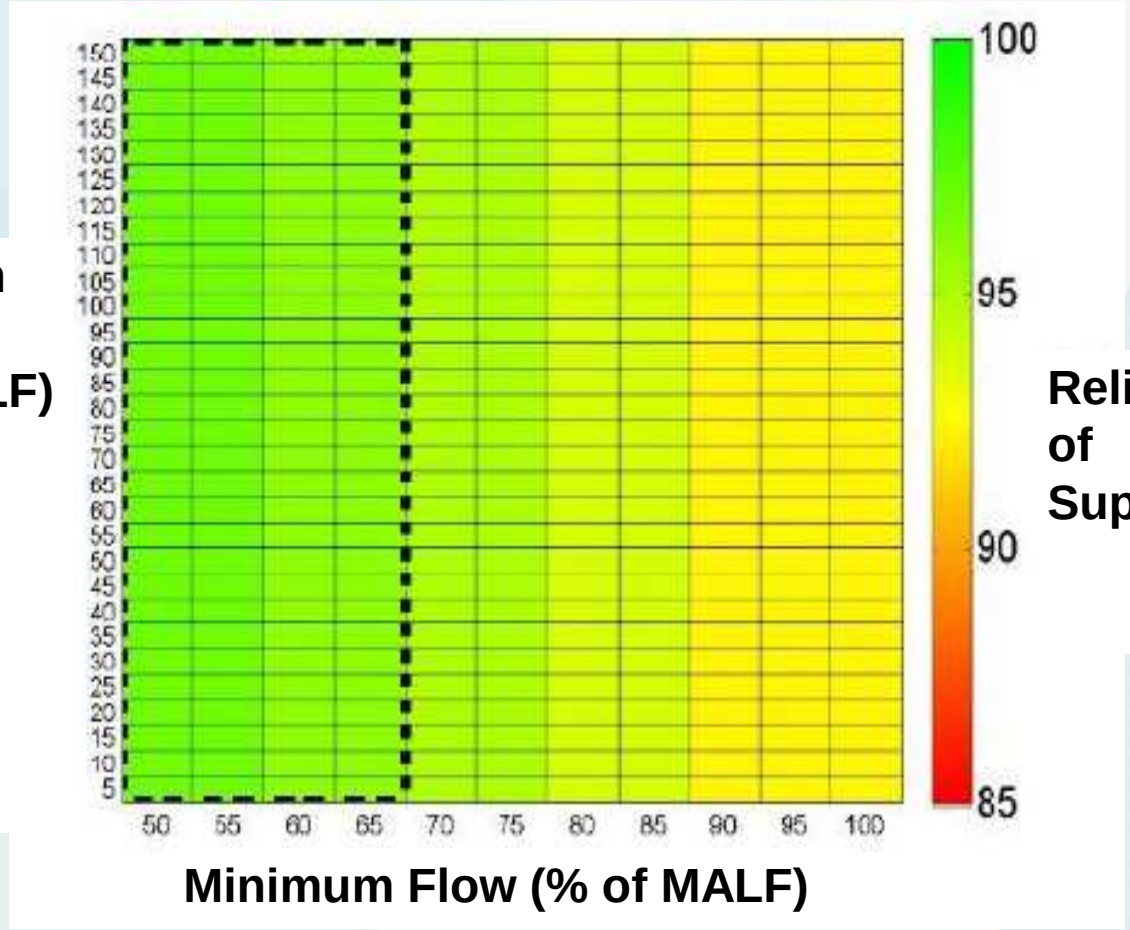
Objective 2. Reliability of full supply of >90%



greater WELLINGTON
REGIONAL COUNCIL
Te Pane Matua Taiao

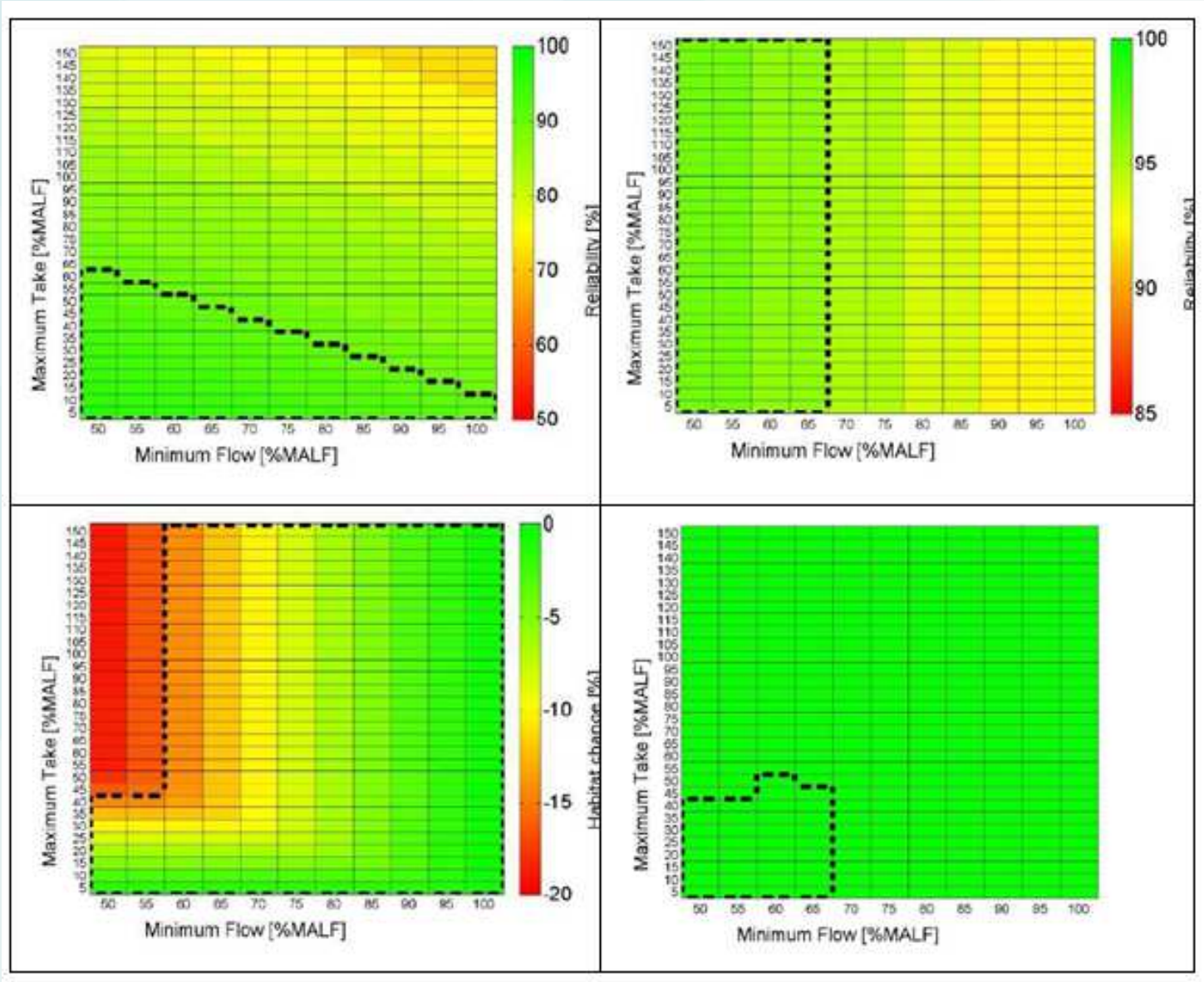
Testing limit scenarios

Objective 3. Reliability of <u>partial</u> supply of >95%



greater WELLINGTON
REGIONAL COUNCIL
Te Pane Matua Taiao

Testing limit scenarios



WELLINGTON REGIONAL COUNCIL
Te Pane Matua Taiao

Allocation efficiency
(the framework – dividing up the pie)

How is water allocated when it becomes available on common expiry dates for resource consents

greater WELLINGTON
REGIONAL COUNCIL
Te Pane Matua Taiao

Current water availability at full allocation

No water available to new users when resource consents expire because:

- existing users can retain their water
- the sinking lid

Ruamāhanga Whaitua Committee

greater WELLINGTON REGIONAL COUNCIL Te Pane Matua Taiao

Potential policy direction

The maximum amount of water available for allocation (core allocation) shall not exceed

whichever is the greater of:

- The total amount allocated by resource consents
- The limit identified in the Plan

Ruamāhanga Whaitua Committee

greater WELLINGTON REGIONAL COUNCIL Te Pane Matua Taiao

When considering an application [for renewal of resource consent] … a consent authority must have regard to the value of the investment of the existing consent holder (RMA s104 (2A))

Ruamāhanga Whaitua Committee

greater WELLINGTON REGIONAL COUNCIL Te Pane Matua Taiao

Key considerations

How will the Committee address allocation on expiry of resource consents?

- Potential allocation approaches:
  - status quo
  - market e.g. auction, tender
  - administrative e.g. priority allocation system, user groups, ballot, transfer
- Equity vs existing investment?

Ruamāhanga Whaitua Committee

greater WELLINGTON REGIONAL COUNCIL Te Pane Matua Taiao