Water allocation **concepts**

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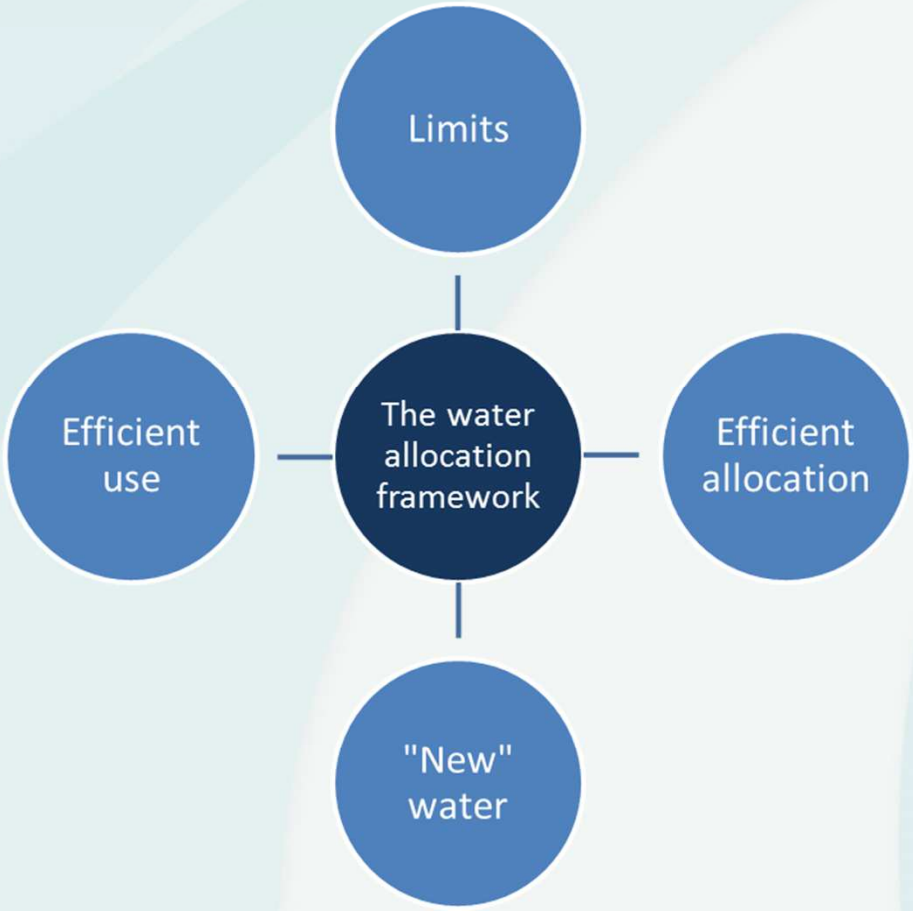
The water allocation framework



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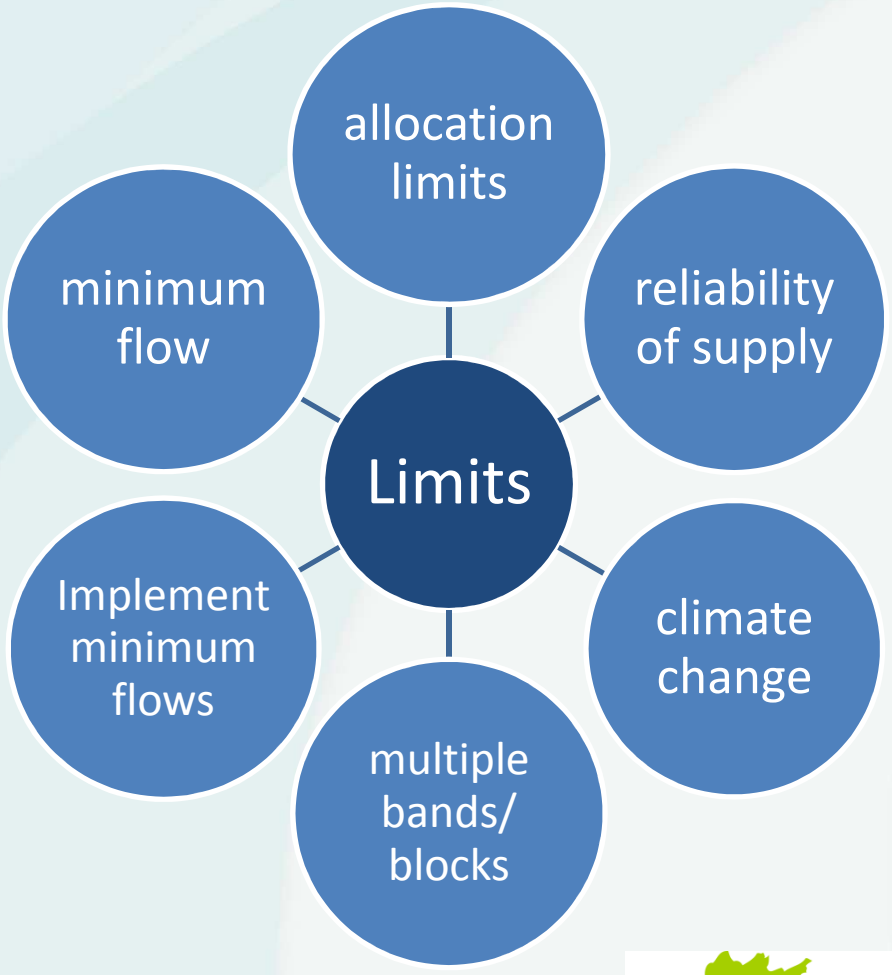
Limits
(the size of the pie)



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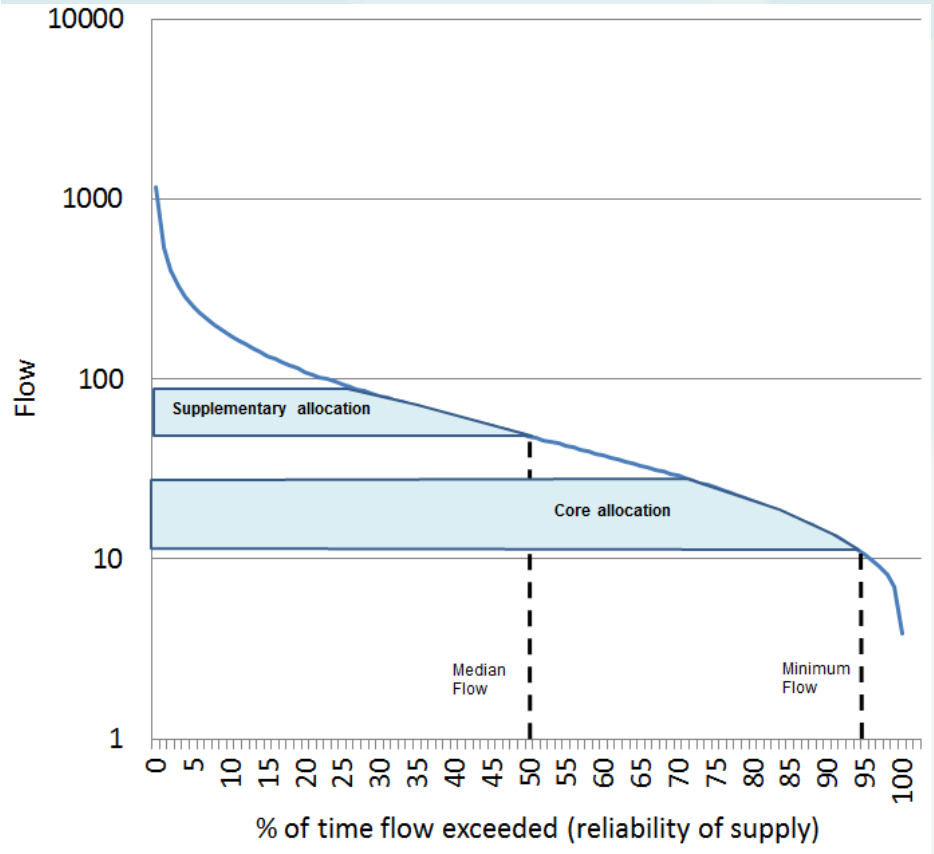
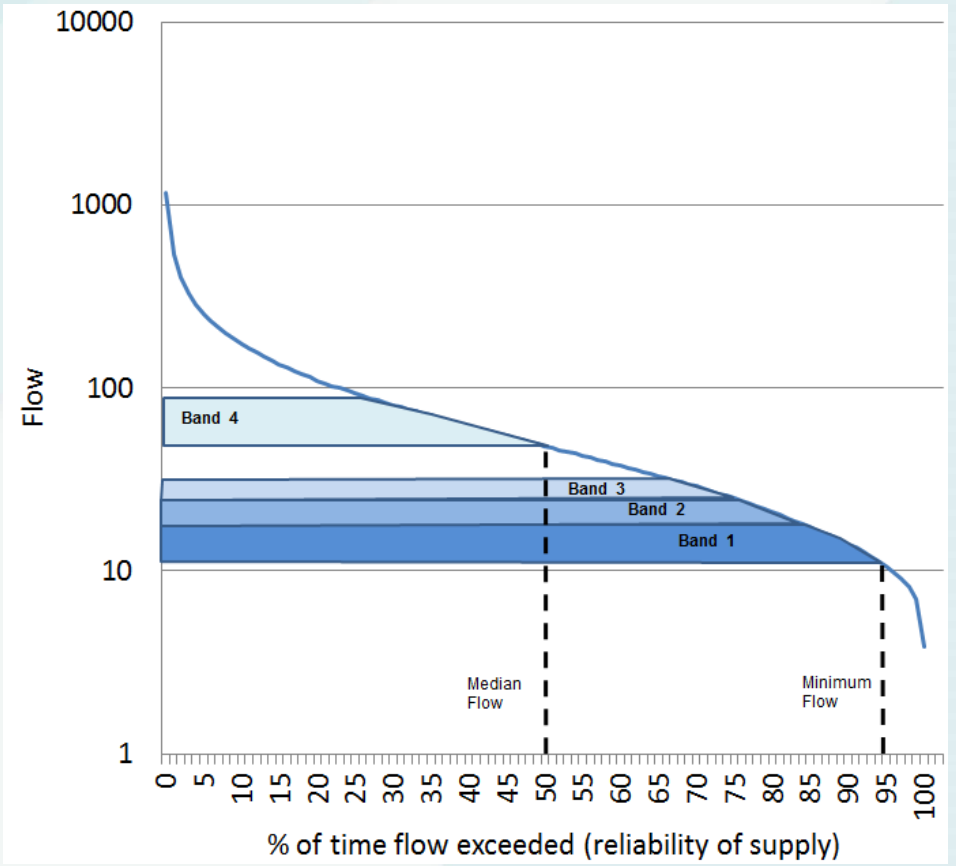
Multiple bands/block





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How and where to set the limits?

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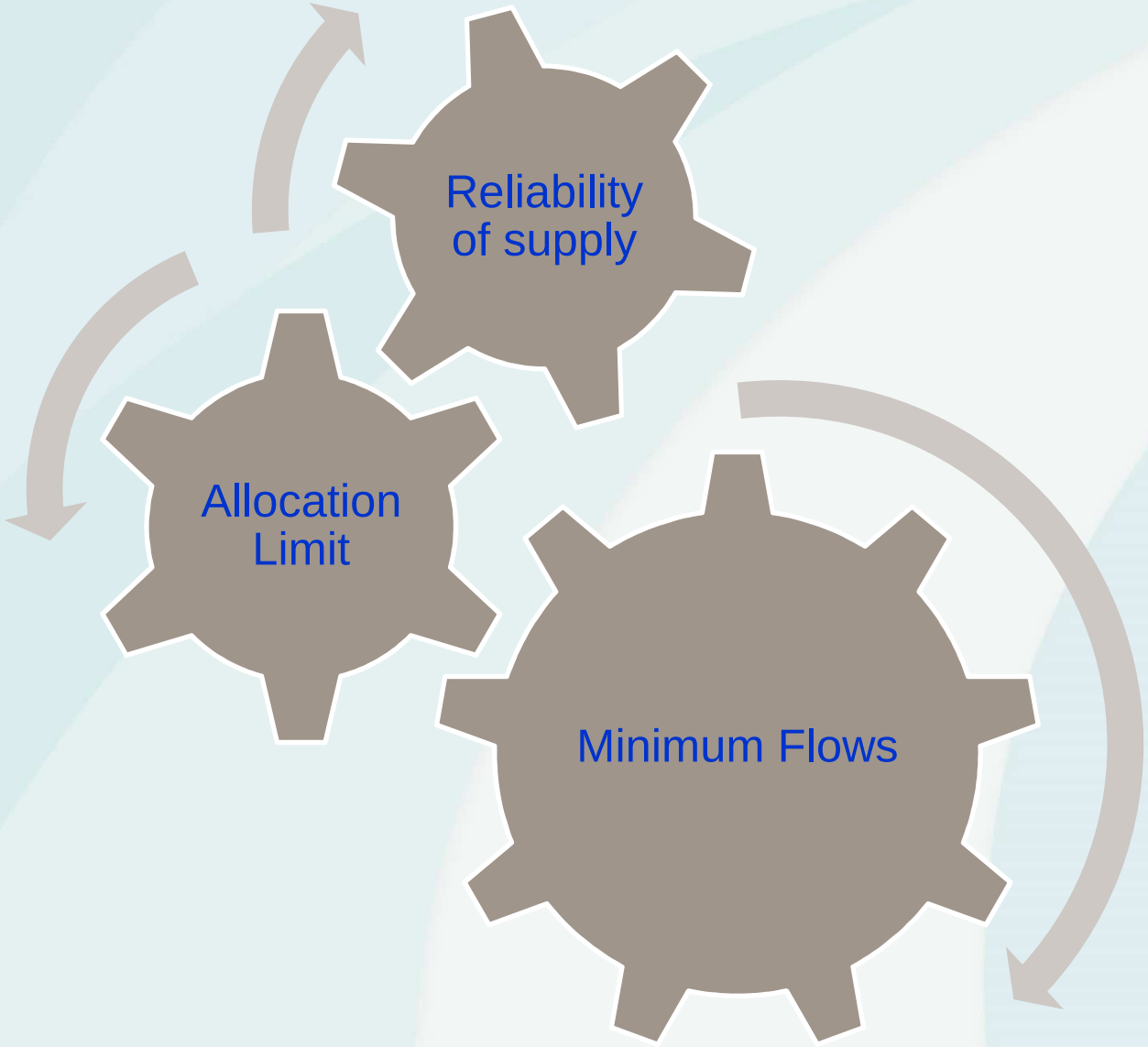

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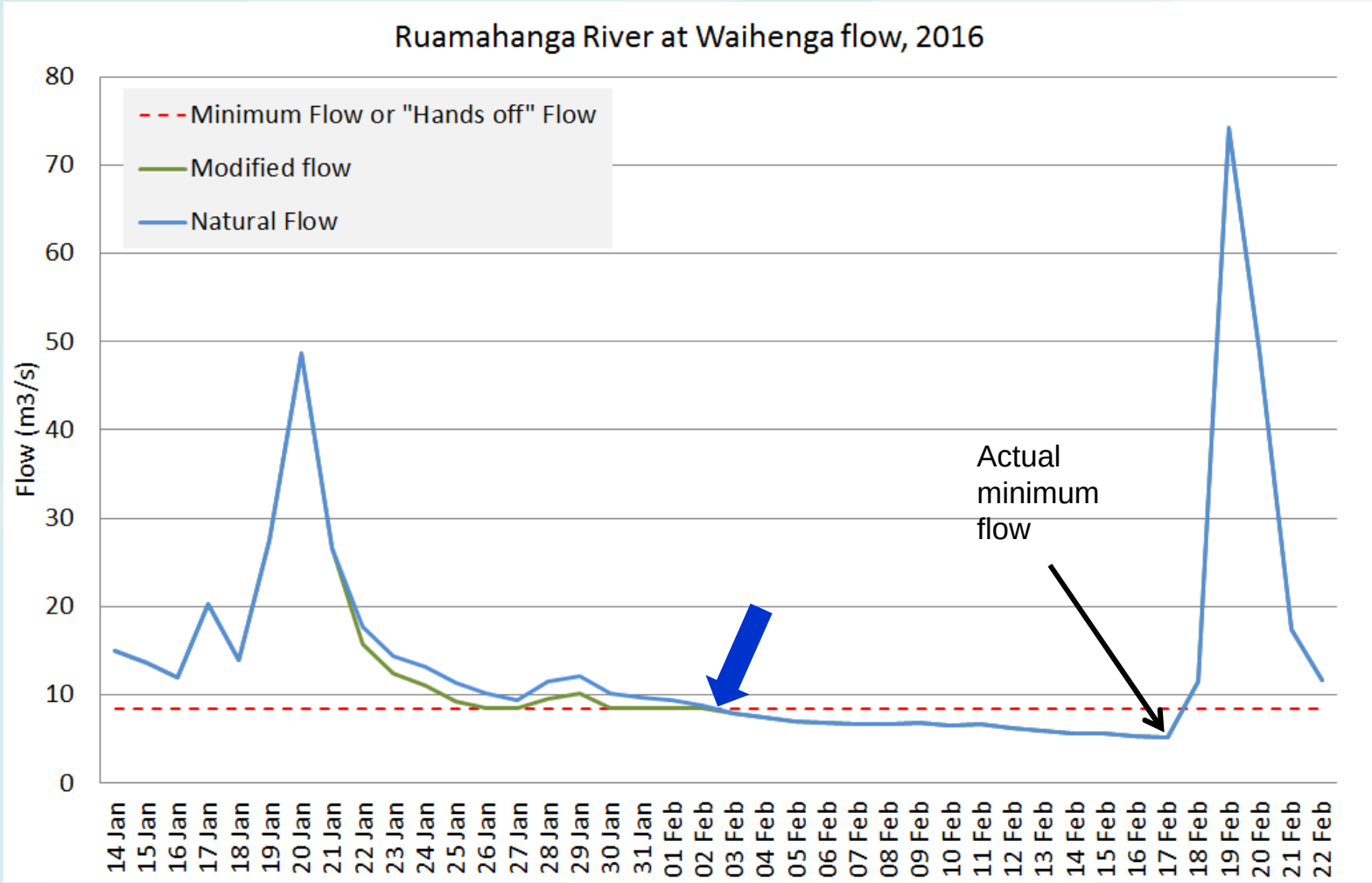
Minimum flows



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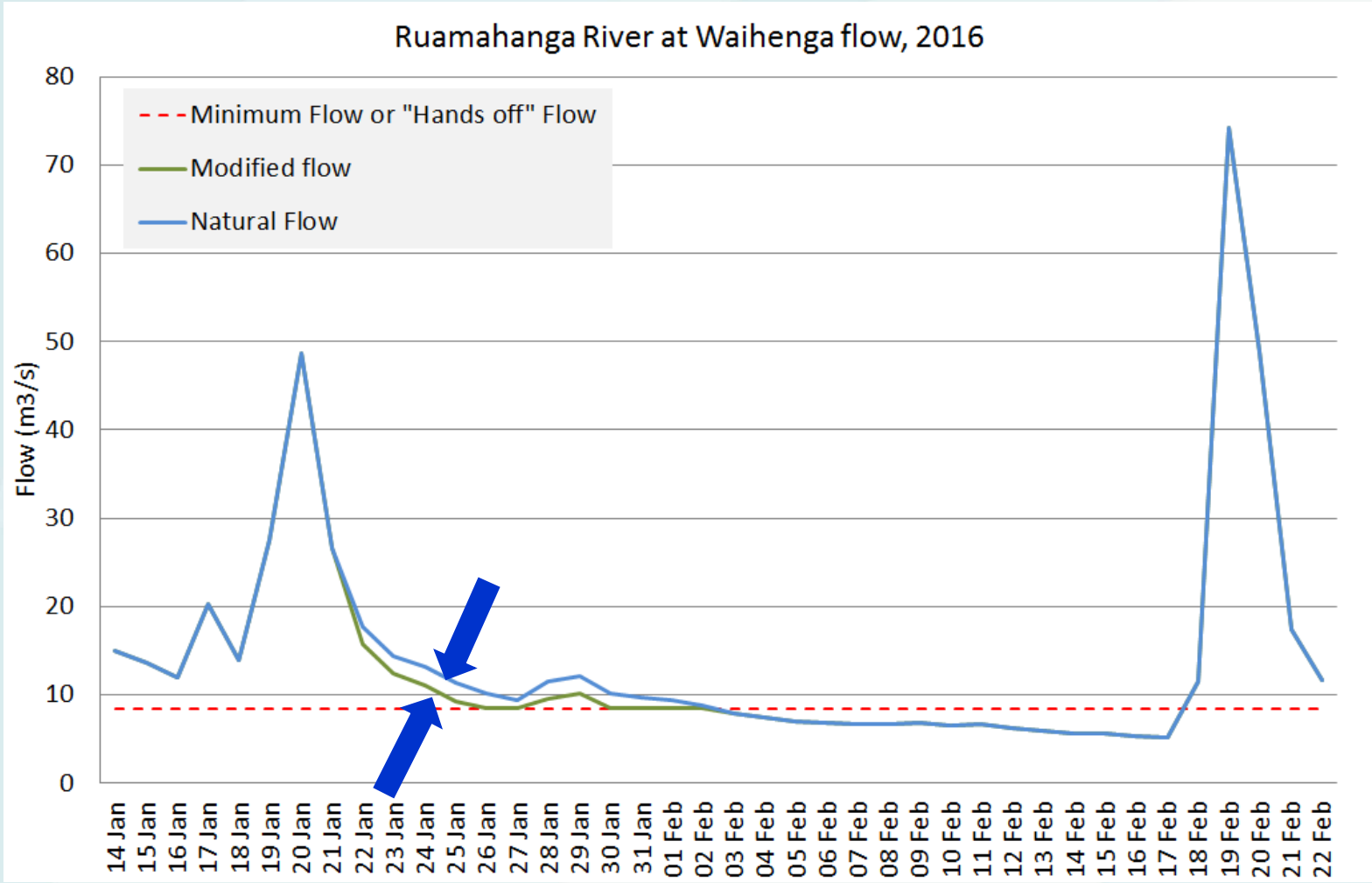
Allocation limit



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Reliability of supply

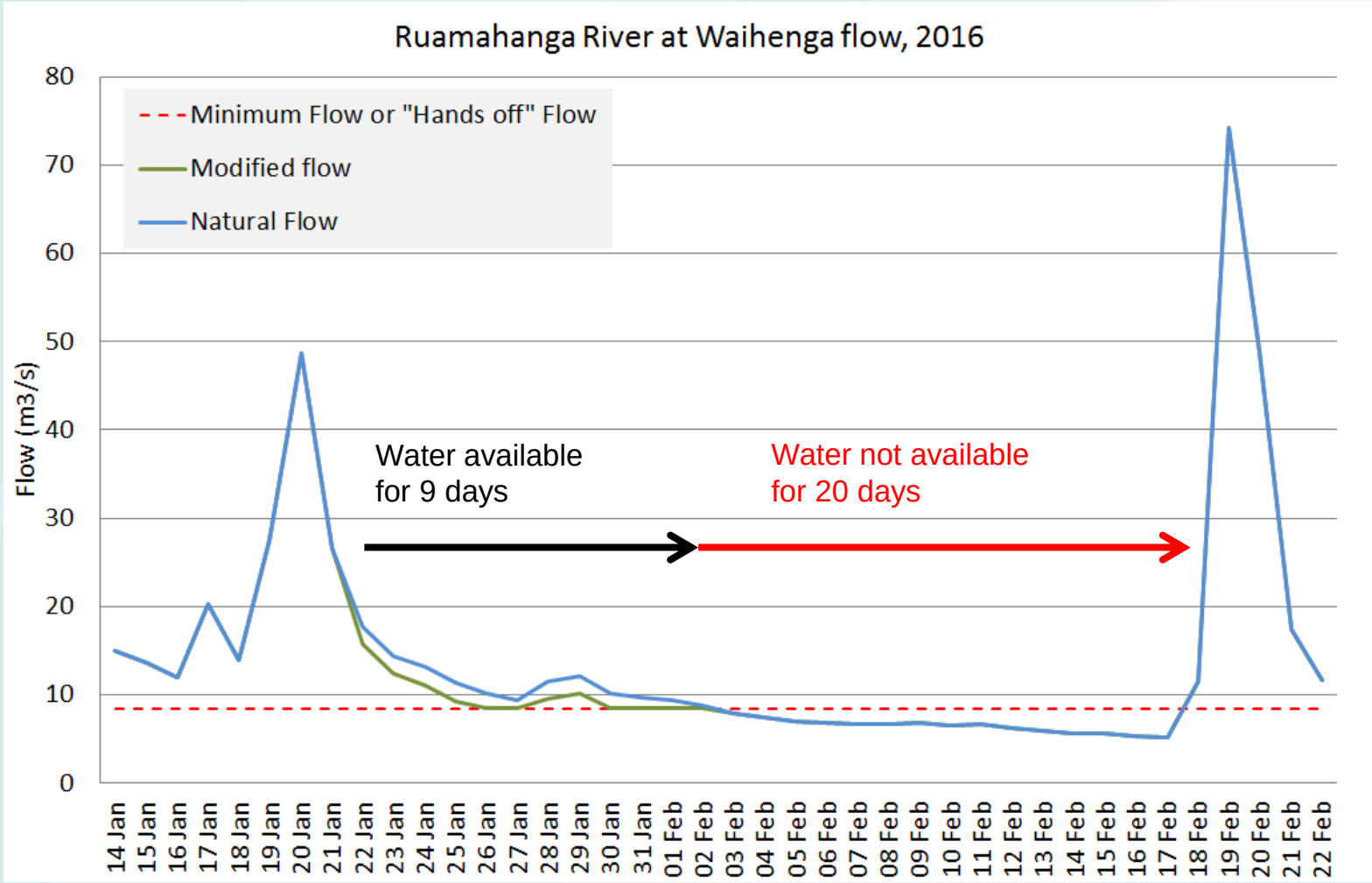

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Figure 7.1: Rivers with minimum flows in the Ruamāhanga catchment in Table 7.1

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

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1:350,000

Basemap: World Oceans Base
Projection: NZTM 2000

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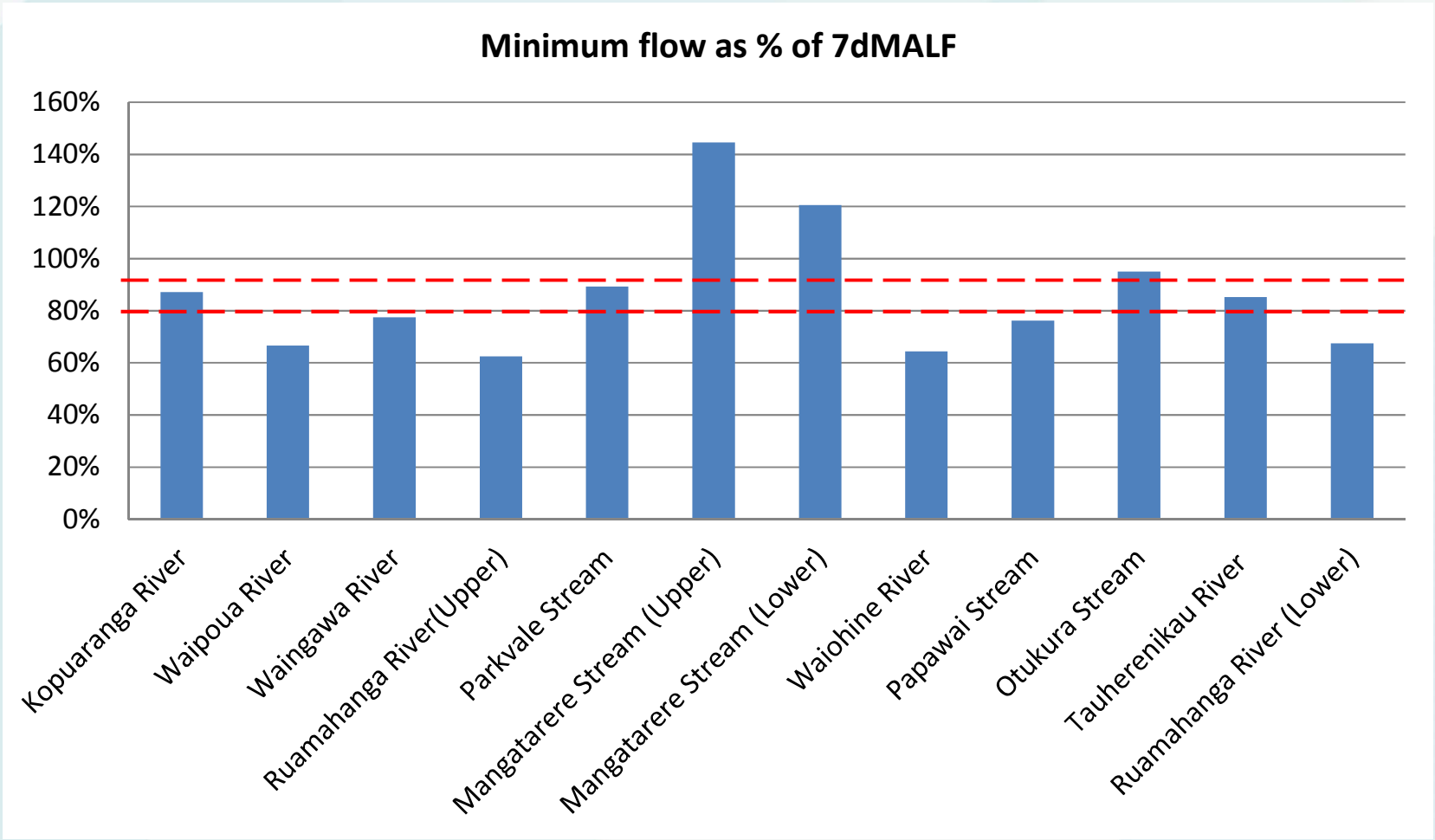

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How do outcomes change with different combinations of limits?

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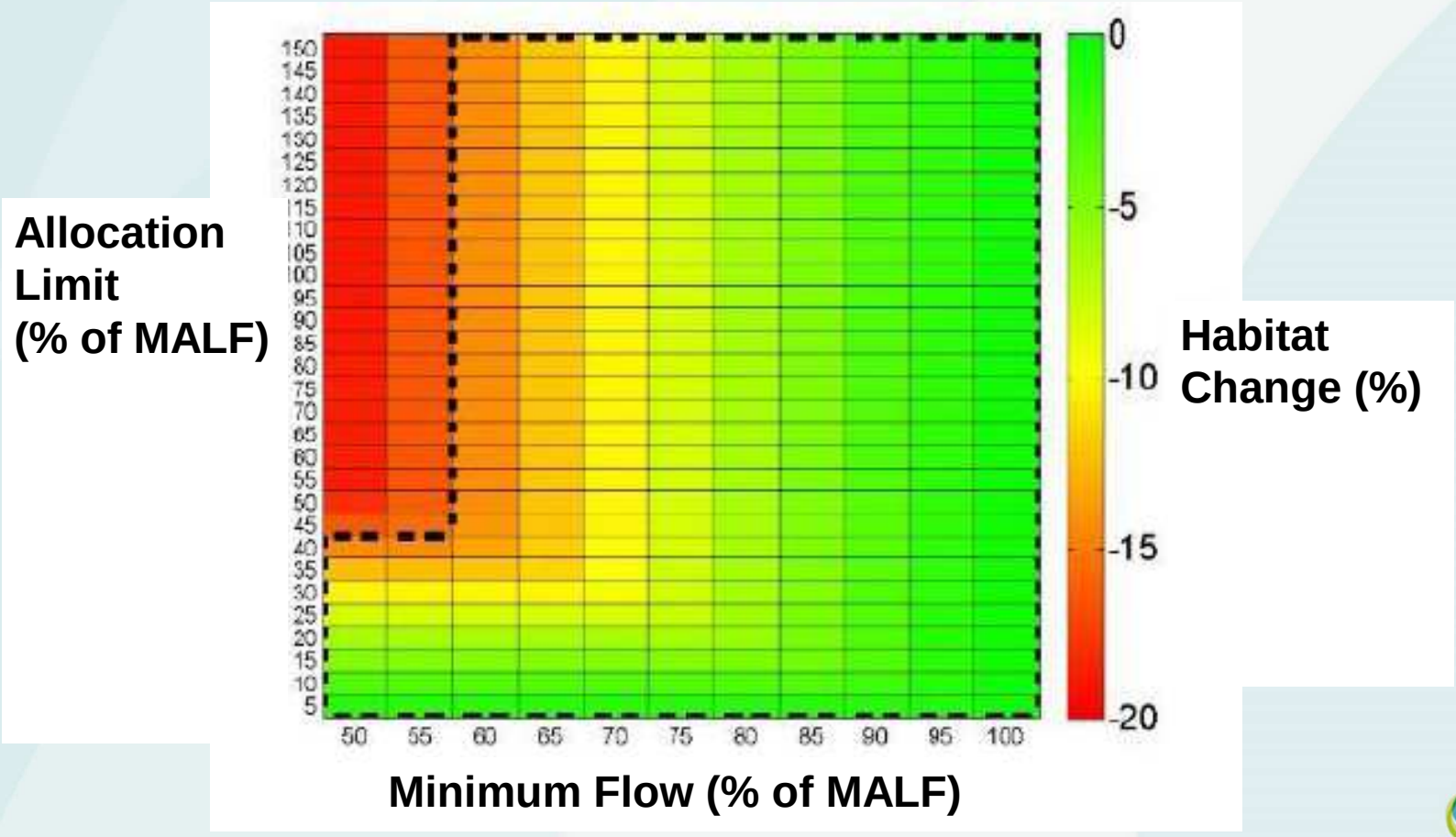
Testing limit scenarios

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



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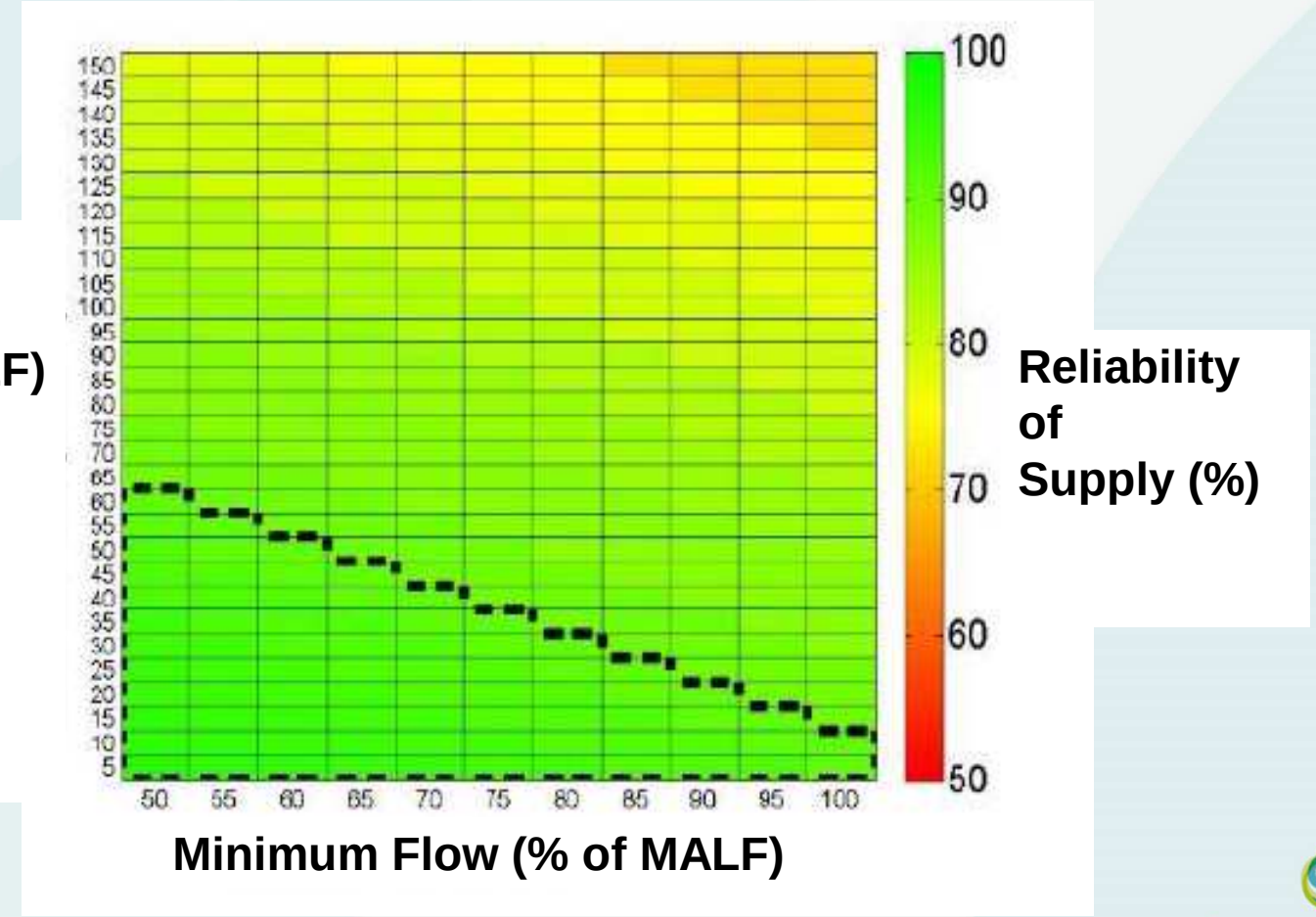
Testing limit scenarios

Objective 2. Reliability of full supply of >90%



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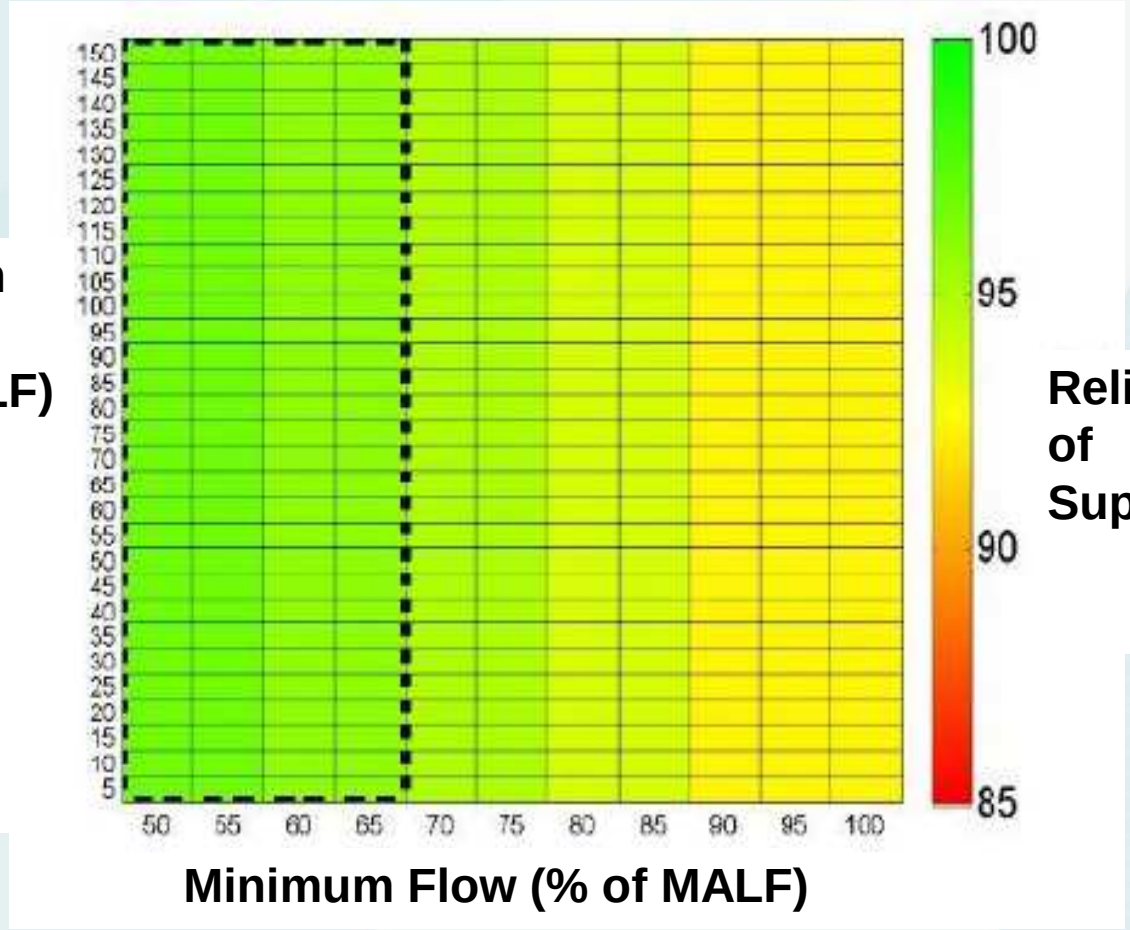
Testing limit scenarios

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



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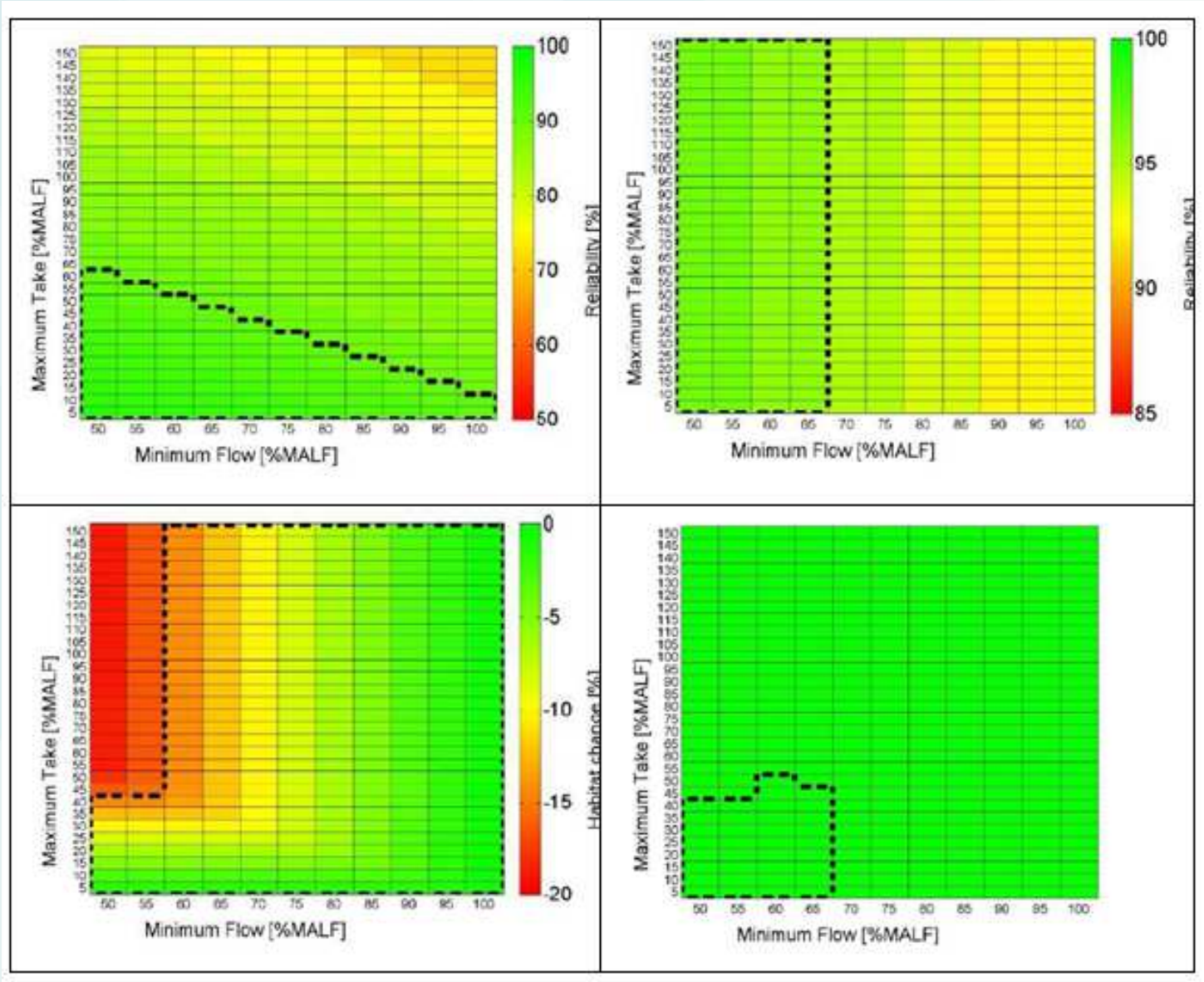
Testing limit scenarios



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Allocation efficiency
(the framework – dividing up the pie)

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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

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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

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Key considerations

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

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

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