Water allocation
Te Awarua-o-Porirua whaitua

Murray McLea

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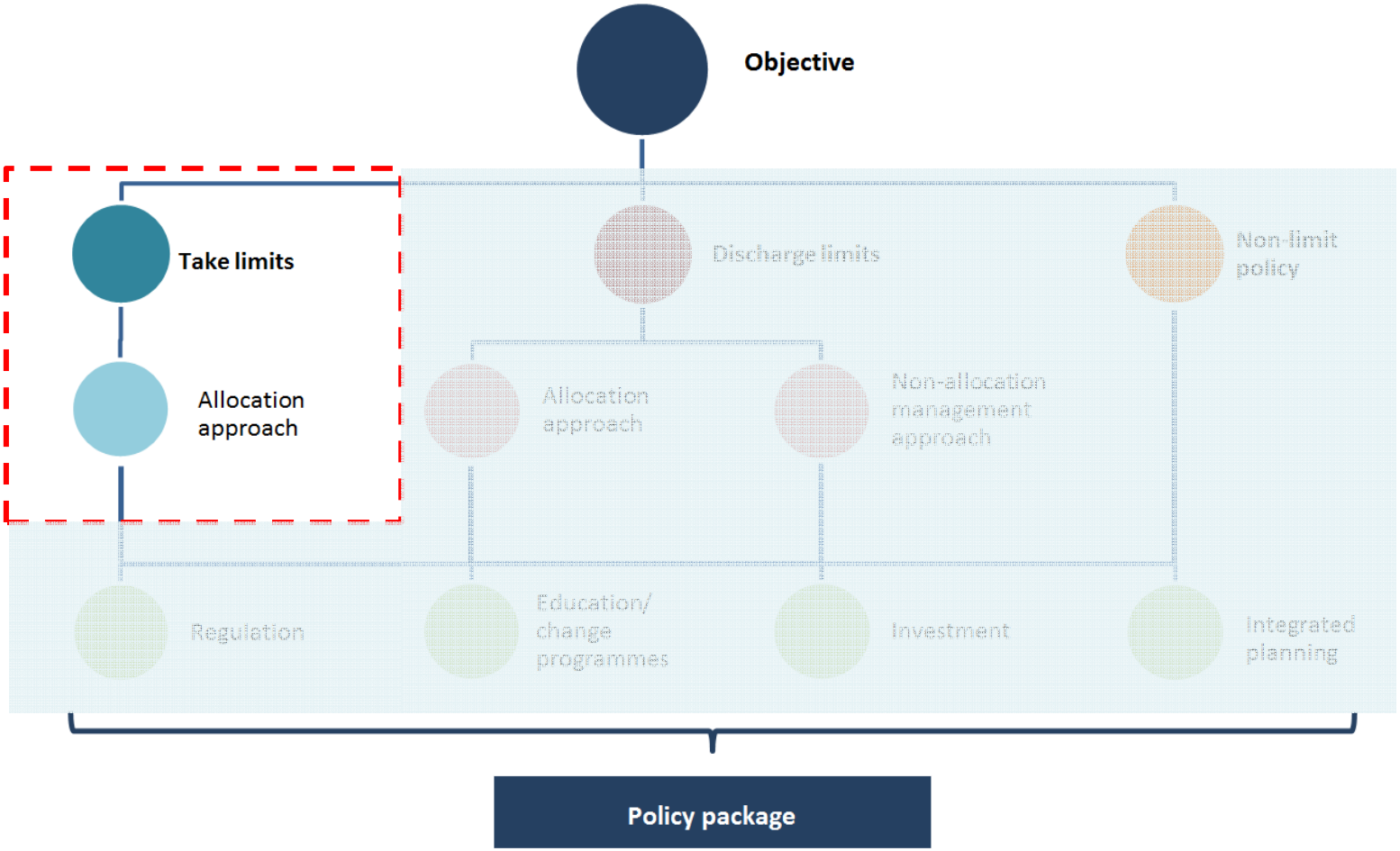

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Defining some terms

- Allocation limit – amount that can be taken
- Minimum flow – the flow at which taking water should stop
- Default limit
- Permitted activity
- Mean annual low flow (MALF)

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Water allocation in the Whaitua

- Rivers not over-allocated or under as much stress as some other whaitua
- Consented take numbers are low
- NB: Does not include using water from public water supply network!

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Limits

- Default limits based on protecting ecological health – they provide a good level of habitat protection
  - based on proposed NES for ecological flows and water levels) BK3
  - Min flow gives approx. 97% protection for tuna, 90% for trout BK1
- Reliability of supply is comparable or better than elsewhere in region BK4

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BK1 Do you want to clarify if permitted takes are captured by this at the moment or not?
Brent King, 23/08/2017

BK3 Do you want to refer to the info from the report that this provides for high levels of habitat protection (~97% for tuna, ~90% for trout)
Brent King, 23/08/2017

BK4 Again, could refer to the report here about reliability of supply (10-14% restrictions and 6-9% cease take)
Brent King, 23/08/2017

Examples

River	Minimum flow (L/sec)	Allocation limit (L/sec)	Average flow (L/sec)
Pauatahunui Stream	139	73	695
Horokiwi Stream	128	74	554

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Recommendation on limits

- Adopt the existing minimum flows and allocation limits in the proposed Natural Resources Plan

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Permitted activities

- RMA permitted rule for stock and domestic use
- Current pNRP permitted rule is for 20m^3 (>20ha) or 10m^3 (<20ha) per day per property
- No cease take at min flow in current rule
- Domestic water and stock drinking use is small
- Not much other permitted water use (anecdotal)

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Recommendation on permitted activity

- Replace the proposed Natural Resources Plan permitted activity with a rule allowing 5 cubic metres of water to be taken and used on a property with a condition that takes must cease at minimum flow

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