

Otago Salmon

Taieri catchment

- Small population
- No active management/
enhancement

Leith River / Otago Harbour

- Dunedin Community Salmon Trust
- Releases from local hatchery

Clutha catchment



Historical run estimates 20,000-50,000 fish annually

Roxburgh Dam 1956

By Early 1960s run in lower river just about dried up

Resurgence in late 1970s and early 80s with commercial smolt releases from Kaitangata

Last 'good runs' 1994 – 96, (salmon runs good everywhere)





Clutha Salmon Origin Otolith microchemistry analysis

~60 % from above dams

- >50% Wanaka
- 5 % Wakatipu
- 0 % Hawea

~15 % Lower Clutha

~25 % Pomahaka



Enhancement & Monitoring

Dam consent renewals in 2007 required Contact Energy Ltd to undertake a sports fish mitigation programme

Smolt releases 2010 – 2016
30,000 – 200,000

Annual angler surveys

Aerial spawning surveys

Habitat enhancement



Local hatchery option under investigation

Identification and protection of upper catchment spawning habitat (eDNA study)

Improving downstream passage/survival

Upstream passage/trap and transfer

Habitat enhancement



Southland Salmon Summary

Zane Moss, Manager Southland Fish and Game

Four main rivers on Southland Plains

- Waiau (out of Te Anau-Manapouri)
- Aparima
- Oreti
- Mataura

West Coast of Southland

- Pyke River system



Waiau (out of Te Anau-Manapouri)

- Mararoa river, out of Mavora lakes, redirected into Manapouri and then West Arm power station.
- Fish pass through weir from Waiau into Mararoa and/or Manapouri
- Monitoring shown several hundred sea-run salmon passing through



Waiau continued.....

- Mararoa drift dives shows a smattering of sea-run & occasional land-locked salmon from Manapouri
- Depending on flows during downstream migration, juveniles may divert into Manapouri rather than out to sea
- Despite several hundred being recorded in first year of fish pass operation, the run has not increased

Aparima & Mataura

- Only a small and variable run, estimated in the tens of fish, rather than hundreds

Pyke River system

- Not much known about this run, thought to be relatively small
- Little fishing pressure due to remoteness



Oreti River

- Variable run into the hundreds
- Most salmon caught incidentally
- Some target known holding water in mid reaches
- Smolt caught by whitebaiters/trout fishers
- No indication that run is building

