ARI Aquatic Quarterly Update – Influence

Summer 2020-21



This update provides three examples of projects which help managers.

They provide:

 a Carp estimate to help managers prioritise national and local control strategies, set appropriate objectives and track river recovery.





- evidence to support refinement and application of targeted restoration efforts including environmental flows, to help manage and conserve Silver Perch.
- evidence that environmental flows can stimulate the upstream movement of juvenile diadromous fish species; this management intervention can assist in population persistence and recovery through increased recruitment, distribution, and habitat use.



About us

The Applied Aquatic Ecology section aims to generate and share knowledge, through world-class, applied, ecological research, which supports and guides sustainable ecosystem policy and management to ensure healthy, resilient ecosystems. We work collaboratively with national, state and local agencies, research institutes, universities, interest groups and the community.

Our focus:

- To undertake high quality, relevant ecological research.
- To interpret research outcomes and communicate these effectively to key stakeholders.
- To guide and support sustainable ecosystem policy and management.









Carp estimates in Australia provide an invaluable tool for managers





Insights into the movement of Silver Perch can help its recovery



River (•), Goulburn River (•) and Barmah Lake (•). Discharge also shown for Murray (-), Campaspe (-) and Goulburn (-) rivers









Environmental flows enhance upstream movement of juvenile fish species

