



» ≈ ANNUAL REPORT

FOR THE YEAR ENDED 31 DECEMBER | 2016



ADVOCATES
FOR THE
TONGARIRO
RIVER

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COMMITTEE 2016

Gary Brown »	PRESIDENT
Warren Butterworth »	VICE-PRESIDENT
Eric Wilson »	SECRETARY
John Toogood »	TREASURER
Stuart Crosbie »	IMMEDIATE
	PAST-PRESIDENT

COMMITTEE MEMBERS

Tim Castle
Virginia Church
Sam Coxhead
Richard Kemp
Sam Stevenson
Neville Young

DISTINGUISHED MEMBERS

Sylvia Smith
Bob McDonnell
Heather Macdonald
Eric Wilson

COVER



The top of the Reed Pool where water from the Log Pool and the Flood channel meet.

The Registered Office of
Advocates for the Tongariro
River Incorporated
is c/o 117 Taupahi Road
Turangi 3334

The postal address is
PO Box 335
Turangi 3353
Contact can be made
through our website
www.tongariroriver.org.nz

≈ **NOTICE OF ANNUAL GENERAL MEETING**

The fifteenth Annual General Meeting of the Advocates for the Tongariro River Inc. will be held at The National Trout Centre School Room on 27 May 2017 at 10.30am. All welcome.

≈ **AGENDA**

The business of the Annual General Meeting will be to:

- record those present and note apologies
- receive the minutes of the fourteenth Annual General Meeting
- receive the President's report
- approve the financial statements
- consider motions of which due notice has been provided. The full rules of the Advocates for the Tongariro River Inc. are printed in the 2004 Annual Report and are also available on the Advocates website www.tongariroriver.org.nz
- appoint an executive committee comprising a President, Vice-President, Secretary, Treasurer and 10 committee members
- consider any other matters.

≈ MINUTES

Minutes of the fourteenth Annual Meeting of the Advocates for the Tongariro River, Saturday 28 May 2016, 10.00am at the The National Trout Centre, Turangi.

Present

Gary Brown, John Toogood, Neville Young, Richard Kemp, Warren Butterworth Virginia Church, Bob and Heather Duckworth, Mike Henderson, Neville Young, Ian Rodger.

Apologies

Murray Jamieson, Sam Coxhead, Renny Cunnack, Heather Macdonald, Jen Shieff, Mark Cosgrove, Stuart Crosbie, Tim Castle, David Grant, Graeme and Natasha Nahkies, Graeme and Marion Duff, David Grant, Clinton and Brenda Teague, Mary Sherborne, Graeme Shirley, Paul Tudor, Peter Williams, Ian Hamilton, Alasdair McNab, Sam Stevenson.

Moved John Toogood, *Seconded* Richard Kemp, “that apologies be accepted.” *Carried*.

Gary welcomed all to the meeting.

Minutes of the 13th Annual Meeting

Moved Warren Butterworth, *Seconded* Richard Kemp, “That the minutes of the thirteenth Annual meeting held 18th April 2015 be accepted.” *Carried*.

Matters Arising

There were no matters arising.

President’s Report

- Simon Stewart’s PhD study is due for completion in January 2017.
We have been pleased with Simon’s progress and willingness to share his findings to date.
- Notification of regulations.
Pleased to see that the Trout Fishing Regulation notification system has been implemented and was effective 27.5.16.
Moved Warren Butterworth, *Seconded* Richard Kemp, “that we write to and congratulate DOC for this action.” *Carried*.

- Tongariro River Trail. We had bought two counters from Traffix in Canada. One Counter failed requiring replacement. Patronage increasing. A view expressed that if the Advocates went out of existence what then re the Tongariro River Trail. To be discussed further.
- Red Beech Trees. A project initiated by Project Tongariro for AFTR to purchase 200+ trees, mainly Red Beech, raised at Tongariro Prison. Our commitment was payment. Help will be required later this year when planting of trees. Probably October. Ian Rodger will provide information on Rotary project, Trees for Survival, as a means to assist in planting.
- DOC offices. The change in office in Turangi for DOC saw us lose office and meeting space. We are looking for some permanent arrangement.
- The Carp Farm venture originated in late 2015. The application was withdrawn and the matter has ceased. The issue was that the public were not informed. Warren thanked for chairing the public meeting and Virginia for her letter to the paper.
- Awareness of Negotiations between Ngati Tuwharetoa and the Crown caused great concern with the idea of Trout Farming being a possibility. Excess trout from the children's fish out ponds have been given to Ngati Tuwharetoa and we think that far better than simply euthanasing the trout and burying them. We support status quo but would like a statement from the Crown that there will be no trout farming.
- Wilding Pines. We seek an alliance with the Department of Conservation (DOC), Ngati Tuwharetoa, WRC for further work to eliminate Wilding pines. We seek funding from WCEET.
Moved Virginia Church, Seconded John Toogood, "That the President's Report be received." Carried.

Financial Report

John Toogood, Treasurer, was congratulated for his efforts as Treasurer. The main issue was the Tongariro River Trail and future concerns and responsibility for. We will explore possibilities.

Moved Warren Butterworth, *Seconded* Gary Brown, “That the Finance Report be accepted.” *Carried.*

General Business

The reply to Virginia Church who asked the funding priority of a Taupo Turangi Bike Trail mooted at a cost of \$15,000,000 and a stop bank proposed in the area of the Downs’ Pool at a cost of \$4,000,000 was that the funding is from two separate sources and two different responsibilities.

Bob Duckworth raised the issue of metal extraction from the area of Smallman’s Reach on the true right and the lack of access down river past Delatour’s Pool. The Taupo Fishing Advisory Committee has raised the matter with the DOC fishery manager.

Election of Officers

Warren Butterworth took the chair for the election of President and Gary Brown was re-elected but was quite clear that he will not be available after this term.

Moved Gary Brown, *Seconded* Richard Kemp, That the committee be

President	Gary Brown
Vice President	Warren Butterworth
Past President	Stuart Crosbie
Secretary	Eric Wilson
Treasurer	John Toogood
Committee	Tim Castle
	Virginia Church
	Sam Coxhead
	Richard Kemp
	Sam Stevenson
	Neville Young

Carried.

There was no other business to consider, the meeting closed at 12.05pm.

≈ **PRESIDENT'S REPORT 2016**

President Gary Brown reports

Nga mihi manawhenua kaitiaki katoa

*Greetings to all members and those who enjoy the iconic
Tongariro River and its environs*

Our Advocates committee has met four times since our last AGM in May 2016 and have considered a number of important issues concerning the river and its environs and the Taupo fishery in general.

Taupo food web study

As outlined in last year's Annual Report our Advocates committee raised \$108,000 to fund towards the Lake Taupo food web study. This study was carried out by Simon Stewart under the supervision of Professor David Hamilton of Waikato University. Simon has provided our committee with several reports, and his final PhD thesis is due to be completed in May this year. Simon's latest interim report indicates (Appendix 1.) that the decline in biomass (numbers & weight) of trout in the lake since 2006 was the unfortunate combination of an extremely large biomass of trout coinciding with a year of low algae biomass, resulting in the food decline viz. limited plant plankton, zoo plankton and smelt. Simon's study indicates that the lake food web production is directly proportional to the degree the water particularly during the winter. Indications are that this phenomenon may be an ongoing cyclic situation and it is hoped that Simon's study will assist Taupo fishery management considerably.

Taupo carp farm proposal

As reported last year, the proposal to farm carp close to Taupo township gave our committee serious concern. While it is not the Advocates' role to stand in the way of well-structured enterprises in the Taupo region, part of our mission statement is to be ever mindful of and actively opposing any ventures which could detrimentally affect the Taupo fishery. Another major concern was that a new fish species could be introduced to our district without the public being aware of it.

A public meeting to discuss the advisability of the proposal was organized by the Advocates on 14 March 2016, at which 175 members of the public attended. Primarily as a result of this meeting the Carp Farm proposal was not proceeded with. (See Appendix 2.) Special thanks are due to our vice president Warren Butterworth who ably chaired an (at times) very volatile meeting.

Our key concern was that this venture was able to get as far as it did without public awareness and input which caused us to make a submission to Department of Conservation opposing the Carp Farm. (Appendix 3). It should be noted that for a venture such as the carp farm to proceed separate consents would be required for different parts of the application: TDC (buildings & plant), WRC (issues of water and soil) and from DOC (risk management of a new species in the Taupo Fishery).

High lake level

The level of Lake Taupo is controlled by Mighty River Power (now Mercury Energy). During the latter part of 2016 and right through the 2016/2017 summer the lake has been held at a very high level. The maximum allowable lake level is 357.25 meters above mean sea level, although in certain circumstances this may be exceeded to avoid flooding in the lower Waikato area. On 24 Nov 2016 the lake was 99.96% full!! This high lake level prevents the river's ability to flush itself and is causing lack of river current at the Tongariro delta with a detrimental effect on delta fishing. There are also wider Taupo area issues regarding serious lake shore erosion.

Lower river issues

The WRC monitors the flow of river bed channels. There has been recent concern that in the Down's Pool area the river under extreme flood conditions could break out into Waihi bay next to the Tokaanu tailrace. This would have a dramatic effect by reducing the flow or possible loss of all pools from the Down's Pool to the lake, and the Delta as we know it today would be no more unless action can be taken to keep the river in its current bed. This would be costly and who would pay? (refer <http://www.tongariroriver.org.nz/wp-content/uploads/documents/key-docs/Tonkin-and-Taylor-Lower-Tongariro.pdf>)

As members will know, WRC have recently carried out flood control measures resulting in the diversion from the old Swirl Pool to the Reed pool reducing the flow from the Bain to the Reed. The newly created channel now carries half the flow and

is very difficult fishing water due to the speed of flow and the willow stumps that remain. It is our understanding that this channel was to be as a flood channel, not the main channel. Advocates committee member Richard Kemp has met with the WRC engineer who is maintaining a watch on the river flow situation. Our secretary Eric Wilson sits on the Taupo zone committee of the Waikato Regional Council and is also monitoring the situation on our behalf.

Taupo fishery advisory committee (TFAC)

Advocates committee member Richard Kemp is a member of this committee and keeps us informed of issues affecting the fishery and Tongariro environs. Of particular interest to anglers at present is a proposal to increase catch limit from three fish per day to six fish per day and to reduce the minimum take size from 40cm to 35cm. As many members will be aware angler opinion on these issues has been sought and a decision on the outcome is pending.

Fishing etiquette

Fishing etiquette is of concern and is a responsibility of TFAC. (See Appendix 3).

The absence of angling etiquette by some anglers is a source of frustration.

The increase in the number of anglers nymph fishing the river (as distinct from the old Tongariro tradition of downstream wet fly or lure fishing) has given rise to conflict at times — particularly when fishing some of the larger pools. The old unspoken courtesy of wet fly anglers moving down a pool allowing others to follow behind has often been prevented by nymph fishers taking up position in the main pool lie — often for lengthy periods of time. The Advocates have brought this situation to the attention of the Taupo Fishery Advisory Committee who have stated that it is up to angler clubs to promote etiquette. Resolution of this issue is sought.

Treaty settlement

Since last year's report negotiations regarding the Agreement in Principle (AIP) between the Crown and Ngati Tuwharetoa trout farm issue have not been finally resolved. Members can refer to the office of Treaty Settlement website (<https://www.govt.nz/treaty-settlement-documents/ngati-tuwharetoa/>) for the up to date situation regarding the trout centre and associated issues.

Wilding pines

During the last year our committee member and treasurer, John Toogood, has made excellent progress with the elimination of wilding pines in the river environment. As a result of John's work, WRC have now taken over responsibility for liaising with riverbed owners and carrying out pine and willow eradication as part of their river management programme. (refer also to report from John Toogood in the March 2017 blog on our website).

Financial

Our finances remain in good heart. A recent grant of \$5000 from DOC will greatly assist with ongoing river environment work in conjunction with DOC. Member subscriptions and donations are vital to enable us to continue our work to contribute to the ongoing maintenance of the river and environs.

Past president Neville Young

I would like to place on record the excellent work carried out by past president Neville Young during his time on our Advocates committee, and particularly during his term as President. Neville has not been in the best of health lately and on behalf of the committee and all members we wish him well.



Gary Brown

President

March 2017

≈ FINANCIAL STATEMENTS

For the 12-month period ended 31 December 2016

		2016	2015
		\$	\$
Receipts			
<i>Income</i>	Subscriptions	2,065	1,825
	Donations	1,445	1,515
	Interest Call A/c	457	822
	Other	66	46
	Miscellaneous adj		
		4,033	4,268
<i>Projects</i>	Pharazyn	5,000	5,000
	Pharazyn Trust – Fishery		9,000
	WCEET – Environment		3,000
		5,000	17,000
		9,033	21,268
Outgoings			
<i>Operating expenses</i>	Admin/general expenses	514	835
	Promotion	782	92
	AGM, report, etc	523	335
	Miscellaneous	–	100
		1,819	1,362
<i>Environment</i>	Pines	5,809	
<i>Fishery research</i>	Waikato University	10,625	33,625
	TDC – Refund – Fishery Grant	2,375	
	Miscellaneous – Carp Farm Meeting	791	
		19,600	3,069
		21,419	4,431
Excess outgoings/receipts		(12,386)	16,837

Statement of financial position

As at 31 December 2016

	2016	2015
	\$	\$
Current assets		
<i>Bank accounts</i>		
Current account	1,946	11,672
Online call account	24,755	27,416
Total assets	24,701	39,088
Total liabilities		
Projects commitments (see notes below)		
Nett assets	26,701	39,088
Opening balance 1 January 2016	39,088	
Excess expenditure/receipts	12,386	
Nett Funds before commitments as noted below	26,702	39,088

Notes to Accounts

Funds committed for projects	Wilding pines	5,000	5,000
	Planting – WCEET	1,781	1,781
	Beech trees purchase – Paul Green	2,600	2,600
	Operating budget – no further requirements	–	
		14,131	27,131
Net retained unassigned funds		12,571	11,957
Tongariro River Trail	Business A/c	294	
	Call A/c	17,899	
Net funds held 31 December 2016		18,193	19,110

≈ **NOTES TO THE FINANCIAL STATEMENTS**

For the period ended 31 December 2015

Statement of accounting policies

Reporting entity

The Advocates for the Tongariro River Society Inc. is incorporated under the Incorporated Societies Act 1908. The financial statements have been prepared in accordance with generally accepted accounting practice. The accounting principles record historical cost. Subscriptions are recorded on a cash-received basis. There have been no overall changes in accounting policies. All policies have been applied on bases consistent with those used in the previous year.

Preparation of accounts

The accounts have been produced on information available to the Treasurer and have been reviewed and verified by John Austad, a former Chartered Accountant.



Gary Brown

President

7 January 2017



John Toogood

Treasurer

7 January 2017

≈ **APPENDIX 1 » SUMMARY OF LAKE TAUPŌ FOOD WEB RESEARCH FOR THE
ADVOCATES FOR THE TONGARIRO**

Simon Stewart. February 2017

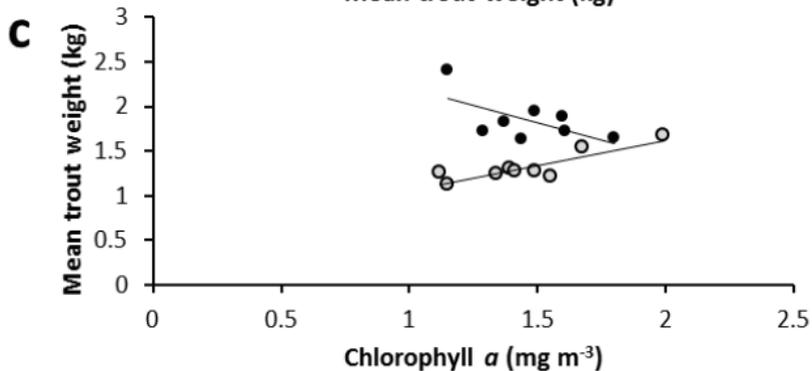
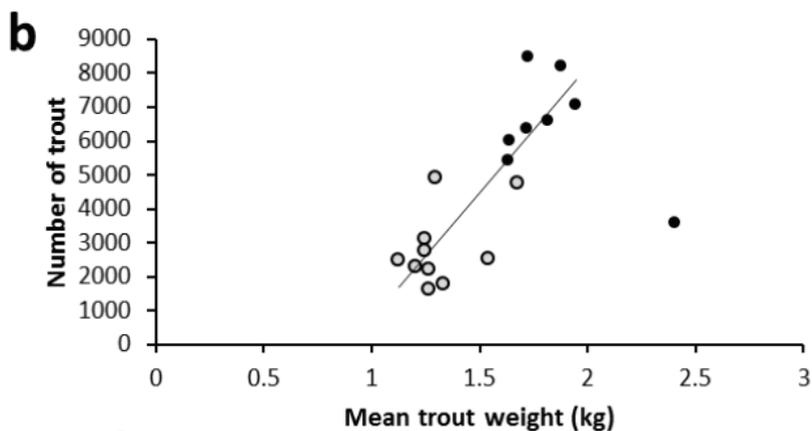
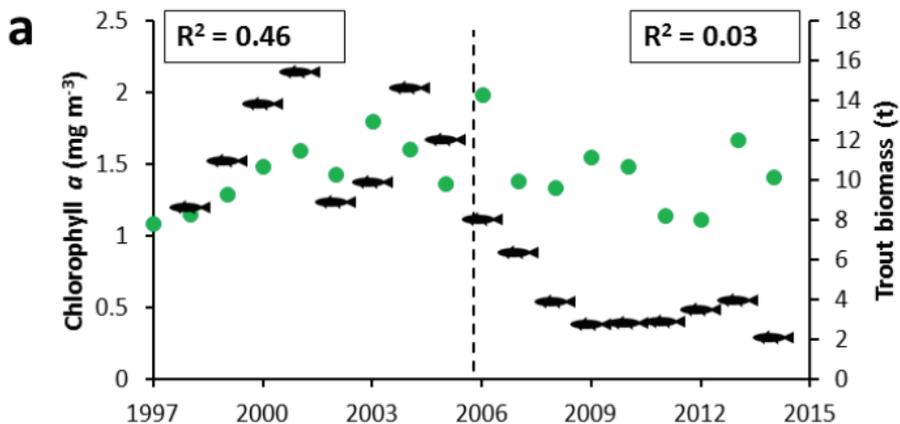
The research which I have been conducting over the last three years on the Lake Taupō food web is nearing completion. I am aiming to submit my thesis for examination in May 2017. Below I have listed some key finding thus far and how they relate to the fishery.

Figure 1 shows a series of annual trout biomass measurements from the Waipa fish trap between 1998 and 2014. Based on multiple lines of evidence, we are confident that these data are representative of trout biomass in the Lake. Also included in the figure is mean winter chlorophyll a concentration (Chl-a), a proxy for annual production in the lake. There are two key points to note here. Firstly, the statistically significant breakpoint (i.e. change in the relationship) since 2006. Secondly the relationship between trout biomass and Chl-a was stronger (years of higher Chl-a production coincided with years of higher trout biomass and vice versa) whereas post 2006 the relationship was weaker. The reason for the sudden decline is attributed to the unfortunate combination of an extremely large biomass of trout coinciding with a year of low algae biomass. This resulted in there being a strong ‘supply-demand imbalance’. Interestingly the trout biomass didn’t recover after this shock; trout biomass remained low even though the food available at the bottom of the food chain rapidly increased. Post 2006 years also showed a lower trophic efficiency than pre 2006. In other words, a smaller proportion of algae biomass was being converted into trout biomass as it moved up the food chain through zooplankton (microscopic grazers) and smelt. This suggests that the Lake Taupō food web has gone through a marked change since 2006.

An analysis of the food web over a year from September 2014 – August 2015 demonstrated that the food web (in particular smelt and trout) is utilising more littoral (i.e. near-shore) food resources (e.g. koura, bullies, midges and snails) than previous studies have demonstrated. Smelt in this study received estimated 85% of the diet from zooplankton with the rest coming from littoral midges compared to 97 % reported by Theo Stephens (1984). Trout in this study received an estimated 63 % of their diet from smelt compared to 82 % reported by Martin Cryer in 1991. When looking at the seasonal patterns in diet composition of smelt, bullies and trout it is evident that they are all switching their diet markedly throughout the year in

response to availability of food resources. This is shown in figures 2 and 3. I believe that the observed greater stronger reliance on littoral food resource as well as the large seasonal variation in diet of trout and smelt in particular demonstrates that the food web, in its current state, is less effective at utilizing pelagic algae during the late summer months in Lake Taupō post 2006. Nutrient data that was collected in parallel to the food web data collection suggests that algae growth during the late summer months becomes strongly reliant on nutrients that are recycled within the water (i.e. fish and zooplankton excretion). This is because nutrient concentrations in Lake Taupō are generally low but become even more scarce while the lake is thermally stratified (a strong thermocline is present) and relatively small levels of nutrients being excreted by animals can make a big difference. One hypothesis from this observation is that the food web in the post 2006 state is less efficient at recycling nutrients than it was previously resulting in a sharper seasonal decline in algae biomass when the lake stratifies. Currently I am developing a food web model for Lake Taupō which I hope will provide insight into the mechanisms causing the sustained low biomass of trout since 2006.

Figure 1: (see page 14) Inter-annual patterns in trout population from the Waipa fish trap between 1998 and 2014. A: Time series of annual mean winter Chl-a concentrations and annual record of trout passing through the fish trap. The vertical dashed line at 2006 represents the breakpoint for the trout time series data. The dataset is separated into two periods, 1998-2005 and 2006-2013. R2 values indicate the correlation between trout biomass and Chl-a over the two periods. B: relationship between mean weight and the number of trout surveyed per year. Solid black circles represent years 1998-2005 and open circles 206-2014. The outlier (mean weight = 2.45 kg) was omitted from the single linear relationship fitted through all years based on Cooks distance analysis ($p < 0.001$). C: relationship between mean winter Chl-a concentration and mean weight of trout. The relationship for pre-breakpoint years (solid black circles) was significantly different from post-breakpoint years ($p < 0.001$).



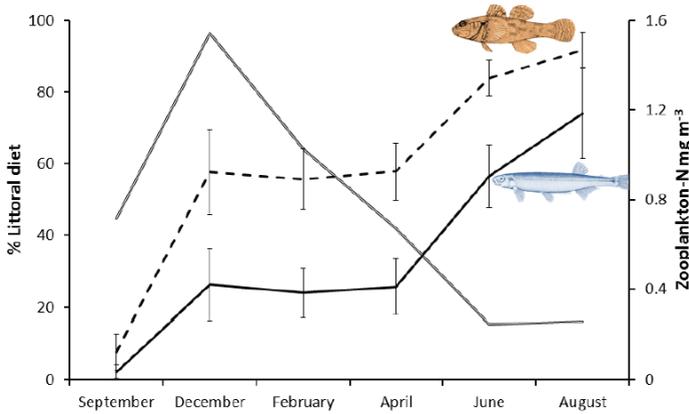


Figure 2: Contributions of littoral resources to the diet of common smelt and common bullies over an annual cycle. Zooplankton abundance is overlaid to compare diet composition to pelagic resource abundance. Error bars are one standard deviation. Diet data derived from two-end-member $\delta^{13}\text{C}$ mixing model and zooplankton abundance from monitoring data (2000-2008).

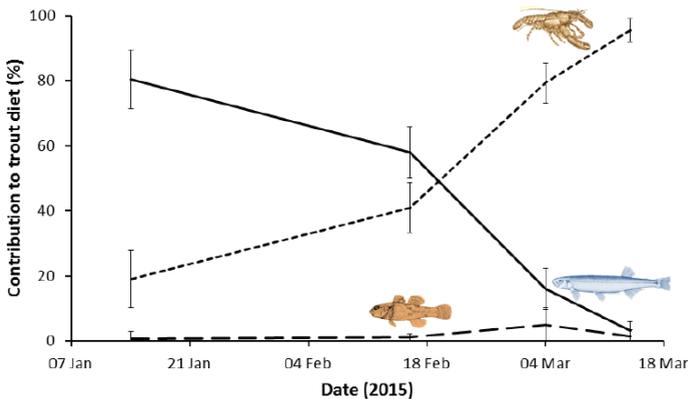


Figure 3: Temporal changes in diet composition of trout inferred from comparisons between tissue turnover rates (muscle = 65 days, fin = 15 days and liver = 10 days). Error bars represent one standard deviation (n= 24). Results derived from MixSIAR mixing model output.

≈ APPENDIX 2 » CARP FARM STORY

Laurilee McMichael. 12 May 2016

The Conservation Department did a U-turn on a controversial carp farm proposed for Taupo after initially saying that enough public consultation had been done.

A copy of the DOC report to Conservation Minister Maggie Barry on the application by Golden Harvest Aquaculture to operate a grass and silver carp farm near Taupo, which was released under the Official Information Act, shows that DOC deemed that enough information had been received to make a proper assessment of the application.

The report, dated December 14, 2015, sought the minister's approval to transfer and release carp into artificial tanks at the proposed new fish farm in Rakaunui Road, Taupo.

The report, signed by DOC deputy director-general operations, Michael Slater, recommended that the application be approved, saying that "this proposal carries a low risk to the environment".

Public notification was a notice in the Dominion Post newspaper, and submissions closed in early December 2015. Nine submissions were received, three in support, including one from Taupo Mayor David Trewavas, and four in opposition. The main concern was that sufficient steps should be in place to minimise the risk of an accidental carp release and procedures in place to prevent people from removing live fish from the farm.

Golden Harvest had also consulted with the Tuwharetoa Maori Trust Board, the Ministry for Primary Industries, Auckland/Waikato Fish and Game NZ, Taupo Fishery Advisory Committee and the Taupo Conservation Board. The first three groups did not oppose the proposal while Taupo Fishery Advisory Committee had concerns and Taupo Conservation Board did not support the proposal.

"Many speculative concerns were raised in submissions received. However, the move of live fish to and from the Auckland area as well as the accidental release of fish in the Waikato River and/or near Lake Taupo with the possibility of fish establishing themselves was a founded concern," the report says.

“The applicant has demonstrated via multiple meetings, presentations and consultation to interested parties that the possible affects [sic] of an unintended release has been given careful consideration. The Department is satisfied that the likelihood of fish escapes is low as robust measures have been put in place to prevent fish escaping the farm.”

Despite the report saying that DOC deemed that those consulted had been adequately informed, DOC did a U-turn in March.

Meirene Hardy-Birch, DOC’s director of conservation operations for the Central North Island, told a public meeting that while the application had been partially approved, the applicants had been told more consultation with Ngati Tuwharetoa and the public was still required.

Contact Energy then announced it would not extend deadlines in commercial agreements with Golden Harvest to lease land and provide geothermal heat, effectively killing the project.

Laurilee McMichael

Editor of the Taupo Turangi Weekender



≈ APPENDIX 3 » CARP FARM SUBMISSION

Eric Wilson. 7 December 2015

3 December 2015

Department of Conservation
Kiriikiriroa/Hamilton

- 7 DEC 2015

Eric Wilson
Secretary
Advocates for the Tongariro River
PO Box 335
Turangi 3353

Lianne Gilbert
Permissions Advisor
Kiriikiriroa / Hamilton Office
Shared Service Centre
Private Bag 3072
Hamilton 3240

A submission on

TRANSFER & RELEASE OF LIVE AQUATIC LIFE
SECTION 262M Conservation Act-1987.

The Advocates for the Tongariro River are deeply concerned at the plans by Richard Clark to transfer and release grass carp and silver carp from Mahurangi Technical Institute into a proposed fish farm at 887 Rakauhi Road in Taupo.

Our concerns are

1. A lack of public consultation
2. The process has been too fast
3. Such a farm creates too many security issues for the iconic Lake Taupo and its rivers as regards water quality & the lakes ecosystem

To elaborate:

1. A lack of public consultation.
 - The only notification of this proposal were two advertisements in The Dominion Post on the 7th + 14th November.
 - Consent was granted by Taupo District Council. The decision to grant consent did not require public notification.
 - Waikato Regional Council's decision re consent is not known to us.

It is the opinion of The Advocates for The Tongariro River that this venture requires wider public consultation & has been inadequate to date.

2. The process has been too fast and has not allowed public input to dispel concerns by allowing the process to become widely known to the public.
3. Security Issues.
 - Grass Carp and Silver Carp would upset the ecosystem of Lake Taupo should they get into Lake Taupo either by accident or human illegal activity.
 - Waikato Regional Council have an extensive list of pests for which they have a responsibility to control. It is very important that this risk assessment is properly considered.

Eric Wilson
Secretary.

≈ **APPENDIX 4 » LETTER IN RESPONSE TO OUR SUBMISSION
ON THE CARP FARM PROPOSAL**

Liane Gilbert. 3 December 2015

Hi Eric,

Subject: Submission on the application to transfer and release of restricted fish, grass and silver carp, into artificial tanks at a proposed new fish farm to be located in an industrial zone, at 887 Rakaunui Road in Taupo.

Thank you for your submission (attached) on the application to release grass and silver carp into artificial tanks at a proposed new fish farm to be located in an industrial zone, at 887 Rakaunui Road in Taupo.

The Department conducted a site visit in November 2015. A proper assessment of the suitability to release grass carp and silver carp at the property was undertaken. After assessing the level of risk, the Department deems that sufficient steps will be in place to minimise the risk of an accidental release into the Waikato River and there will be robust procedures in place to prevent the public from removing live fish from the site.

The applicant has demonstrated via multiple meetings, presentations and consultation to interested parties that the possible affects of an unintended release has been given careful consideration. The likelihood of fish escapes is low as robust measures have been put in place to prevent fish leaving the farm.

There are at least five measures in place to prevent escapement and colonisation of the Waikato River as a result of increased water levels (e.g. flood, pipe left on).

These measures are as follows:

- There is spare capacity (freeboard) in each of the ponds.
- Filters of 5mm mesh which will contain even the smallest fish (25mm).
- Emergency pond with an additional 1500m³ water storage capacity.
- Geothermal pond below the emergency pond, where fish should die from heat shock if they manage to make it to this pond.
- There is approximately 2.3 kilometres of farmland including areas where water would pond before any water would drain into the Waikato River.

In addition to the measures above, the site is situated on pumice soil which the engineers from Cheal Consultants advised can drain at a rate of 500-1500m³/hr. On the projections that have provided, the likelihood of a large volume of water leaving the site is highly unlikely. The chance of water from the fish farm entering the Waikato River is highly unlikely and the chance of large numbers of small fish reaching the Waikato River is also considered highly unlikely.

The Department imposes very strict management conditions relating to the inspection at the time of release to ensure all risks have been mitigated and that the proposed fish farm is build to the specifications of the application.

The Department has assessed the specifications of the containers the fish will be transported in and feel that adequate precautions will be in place to avoid any escapement of fish in normal circumstances.

The Department has included concerns from all submissions received into the report to the Minister for consideration as part of the decision making process.

I will advise you the outcome of the proposal in due course.

If you have any questions about the information contained in this letter or the process, please do not hesitate to contact me.

Yours sincerely

Liane Gilbert

Permissions Advisor – Kaitūtohu

≈ APPENDIX 5 » SECTIONS 30-31 THE TAUPO FISHERY REGULATIONS 2004
TAUPO FISHERY ADVISORY COMMITTEE

30 Taupo Advisory Committee continued:

- 1** The regulation continues the advisory user group known as the Taupo Fishery Advisory Committee and established by the Minister under the Taupo Fishing Regulations 1984.
- 1** The Taupo Fishery Advisory Committee consists of the following members:
 - a** 8 members appointed by the Minister from persons nominated by the organisations specified in Schedule 3:
 - b** 1 member to represent the Tuwharetoa Maori Trust Board and to be appointed by the Minister on advice from the Board:
 - c** 1 member appointed by the Minister to represent national angling interests:
 - d** 1 member to represent the New Zealand Fish and Game Council and to be appointed by the Minister on advice from the Council:
 - e** 1 member appointed by the Minister to represent the appropriate Conservator of the Department.
- 1** The members appointed under subclause (2)(a), (b) and (c) have voting rights at meetings of the Committee, and the other members of the Committee are entitled to speak at meetings of the Committee but are not entitled to vote on any question.

31 Functions of the Committee – The functions of the Committee are:

- a** to advocate Taupo sport fishing interests:
- b** to facilitate communication between the Department and anglers:
- c** to keep anglers informed on matters affecting their interests:
- d** to foster ethical standards of angling behaviour:
- e** to consider and advise the Department on freshwater and sport fishing matters within the Taupo District:
- f** to make any representations that it sees fit to the Minister, or to the Department or any other government agency or other organisation, on matters affecting the Taupo fishery, including national and regional policy statements, management strategies, and management plans:
- g** to liaise with the New Zealand Fish and Game Council on matters of mutual interest relating to sports fish.

≈ APPENDIX 6 » PROFILE OF ADVOCATES FOR THE TONGARIRO RIVER COMMITTEE FOR 2016

2016 Office Holders



Gary Brown – *President, Committee member since 2011.*

Gary's family has an association that has lasted over a half century with the Lake Taupo fishery and he has had a life-long interest in hunting and fishing. Gary's prime focus as a committee member is therefore the state of the fishery and monitoring the effectiveness of the Department of Conservation's Taupo Sports Fishery Plan.

Gary lives in New Plymouth and is an architect by profession.



Warren Butterworth – *Committee member since 2014. Vice President from 2015.*

Warren is a lawyer and part time farmer. He has fished the Tongariro and surrounding streams for more than 40 years and been a member of TALTAC for most of that time.

Warren resides in Auckland and is a board member of two substantial charitable trusts and of many private companies.



Eric Wilson – *Secretary.*

Secretary for past 10 years and Treasurer for past 10 years.

Eric is a local government appointee to Waikato Regional Council's Lake Taupo Liaison Sub-Committee, an Advocate's appointed director of the TRT Ltd and a key local liaison person involved in just about everything.

Without Eric's sustained dedication and extensive commitment to Advocate matters, our society simply would not survive.

Eric has been a local Turangi resident for the past 30 years and is a former Principal of Tongariro High School.



John Toogood – *Committee member since 2005, Treasurer.*

John and his family have been coming to the area and enjoying the Tongariro for over five decades. A keen environmentalist at heart, John has led the Advocates' campaign to 'bring back the bush' and rid the river environs of wilding pines and other weeds. His work, supported by Eric Wilson and former Committee member Marja ter Haar, was recognised in 2010 when the Advocates received Environment Waikato's Weedbusters' Award.

John runs his own business in Wellington and his commercial skills are of benefit to the Advocates also, especially with regards to marketing.



Stuart Crosbie – *Immediate Past President.*

President 2009-2012; Committee member for seven years.

Stuart is the driving force behind the Advocate's Integrated Catchment Management Plan framework and the Advocate's statistical analyses of lake levels and river flow rate data spanning the past century. He was an Advocate's appointed founding director of the Tongariro River Trail (TRT) Ltd and in that role maintained a policy overview of the trail's development.

Stuart lives in Taupo and is a director of a number of charitable and not-for-profit entities.

2016 Committee Members



Tim Castle – *Committee member 2016.*

Tim, a Wellington Barrister, was elected to the committee in 2016. His home is in Wellington but he has a keen interest in the area and a holiday home for some years in Waitetoko.

Tim has studied Te Reo Maori and culture since the 1990's and has worked closely with iwi through his legal work.

He does not profess to being more than a keen learner angler.



Virginia Church – *Committee member since 2011.
Acting Secretary from October-December 2013.*

Virginia's 2001 Petition to Parliament on the plight of the Tongariro, was supported by 602 signatures. This, and the Submission based on that Petition that was presented in 2002 to the Parliamentary Select Committee for Local Government and the Environment, was the catalyst for formation of the Advocates as an incorporated society.

After living in Australia, Virginia and her family have returned to Turangi where they have very close hapu associations with local iwi.

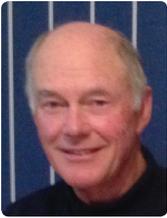


Sam Coxhead – *Committee member since 2014.*

Sam has been coming to Turangi for the last 20 odd years. He is a keen angler, who relishes any time he can spend on the river.

Sam and his large young family now have a home in Turangi. It has become more important for him to help with the responsibilities of looking after the river.

Sam wants to help ensure that the fishery, and river environment as a whole, is looked after so the future generations are able to enjoy all it has to offer.



Richard Kemp – *Committee member since 2002.*

A Wellingtonian, Richard has been coming to Turangi to fish all his life – as has his father before him and his son after him. He has a passion for the fishery and a particular interest in its sustainability.

Richard served as Vice-President from 2006-2010 and has been the Advocate’s legal advisor throughout. He is the current Advocate’s representative on the Taupo Fishery Advisory Committee.

As a lawyer, Richard’s networks have been invaluable in helping to profile the Advocates and successfully source funds from philanthropic sources.



Sam Stevenson – *Committee member since 2014.*

Sam has recreationally enjoyed Turangi, the Tongariro River and the Central Plateaux for his entire life, with his family having ties to the Tongariro stretching back to the 1950’s.

Sam currently resides in Wellington but attempts to spend as much time as possible on the river.

Sam spent 15 years in the NZ Army and now owns and operates a risk management business.



Neville Young – *Immediate Past President.*

President for 2013-2014.

Vice-President for 2010-2012.

Committee member for six years.

Neville has held many important positions a government appointee to Tongariro/Taupo Conservation Board and the Advocate’s key liaison person for central government agencies and politicians.

Neville lives in Wellington and has extensive legal, commercial and governance expertise. This has proven invaluable in formulating the charitable company structure for the governance of the Tongariro River Trail Ltd (TRT Ltd).

≈ LIST OF MEMBERS

Adams	Cecilia	Fransham	Mike	Rosoman	Alan
Adams	Gary	Gabelich	Vince	Shieff	Jenny
Alley	Grant	Gibbons	Scott	Short	Murray
Anderson	Sue	Glover	Bob	Short	Niwa
Avery	Bill	Glover	Sonia	Seux	Teresa
Bamford	Dave	Godkin	Wayne	Small	Neil
Bartle	Murray	Godkin	Wendy	Small	Rosemary
Batson	Brian	Grant	David	Smith	Peter
Beasley	Antony	Hamilton	Ian	Stevenson	Anna
Blackbeard	Rob	Hancox	Rod	Stevenson	Dan
Brace	Robert	Hancox	Margaret	Stevenson	Prue
Brown	Garry	Hayes	Carter	Stevenson	Sally
Brown	Karilyn	Hazelwood	Rob W	Stevenson	Sam
Brown	Marie	Hodder	Marie	Teague	Clint
Brown	Mark	Hodder	Selwyn	Teague	Brenda
Butterworth	Warren	Hughes	Mike	terHaar	Marja
Castle	Tim	Hughes	Gail	Toogood	John
Chapman	Barry	Ireland	Garth	Toogood	Susie
Church	Liam	Jamieson	Murray	Toy	Max
Church	Jock	Kemp	Richard	Truebridge	Dick
Church	Virginia	Kemp	Honor	Truebridge	Heather
Cosgrove	Alison	Kyle	Stephen	Tudor	Ariel
Cosgrove	Mark	Kyle	Kim	Tudor	Luke
Coxhead	Sam	Lean	Peter	Tudor	Paul
Coxhead	Katie	Macdonald	Heather	Williams	Peter
Crosbie	Stuart	McCallum	John	Williams	Paul
Crosbie	Jacqui	McCallum	Elizabeth	Williams	Gwynne
Cunnack	Renny	McNab	Alasdair	Wilson	Alex
Dandy	Valerie	Mills	Jim	Wilson	Eric
Dickson	Steve	Miles	Nick	Wilson	Lorraine
Duckworth	Heather	Nahkies	Graeme	Wilson	Peter
Duckworth	Bob	Nahkies	Natasha	Wilson	Sam
Duff	Graeme	Perret	Hugh	Wilson	Vergne
Duff	Marion	Rodger	Ian	Young	Neville
Fair	Bill	Rodger	Greta	Young	Val
Frank	Tricia	Rodger	Lola		
Fransham	Helen	Rodger	Molly		<i>g not named</i>

≈ COMMITTEE NOMINATION FORM

One form per nominee

___/___/2017

I nominate: _____

Signed by nominee: _____

Nominator (signed): _____

Seconder (signed): _____

(Tick position nominated)

- President
- Vice-President
- Committee member

Either

- Secretary
- Treasurer

Or

- Secretary/Treasurer

President, Vice-President, Secretary/Treasurer and up to 11 committee members + Immediate Past-President (15) or President, Vice-President, Secretary, Treasurer and up to 10 committee members + Immediate Past-President (15).

One form per nominee

___/___/2017

I nominate: _____

Signed by nominee: _____

Nominator (signed): _____

Seconder (signed): _____

(Tick position nominated)

- President
- Vice-President
- Committee member

Either

- Secretary
- Treasurer

Or

- Secretary/Treasurer

President, Vice-President, Secretary/Treasurer and up to 11 committee members + Immediate Past-President (15) or President, Vice-President, Secretary, Treasurer and up to 10 committee members + Immediate Past-President (15).

One form per nominee

___/___/2017

I nominate: _____

Signed by nominee: _____

Nominator (signed): _____

Seconder (signed): _____

(Tick position nominated)

- President
- Vice-President
- Committee member

Either

- Secretary
- Treasurer

Or

- Secretary/Treasurer

President, Vice-President, Secretary/Treasurer and up to 11 committee members + Immediate Past-President (15) or President, Vice-President, Secretary, Treasurer and up to 10 committee members + Immediate Past-President (15).

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