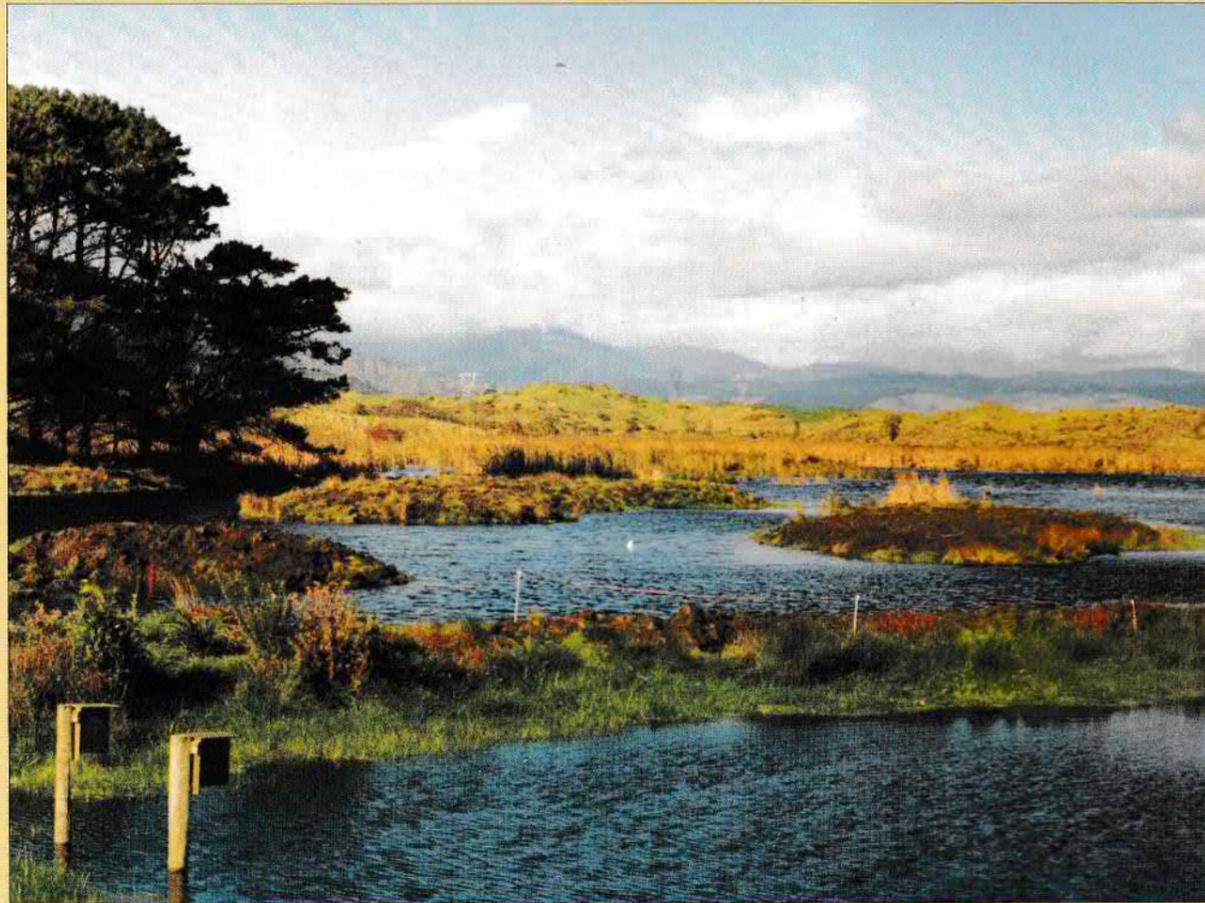


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JULY 1995
ISSUE 84

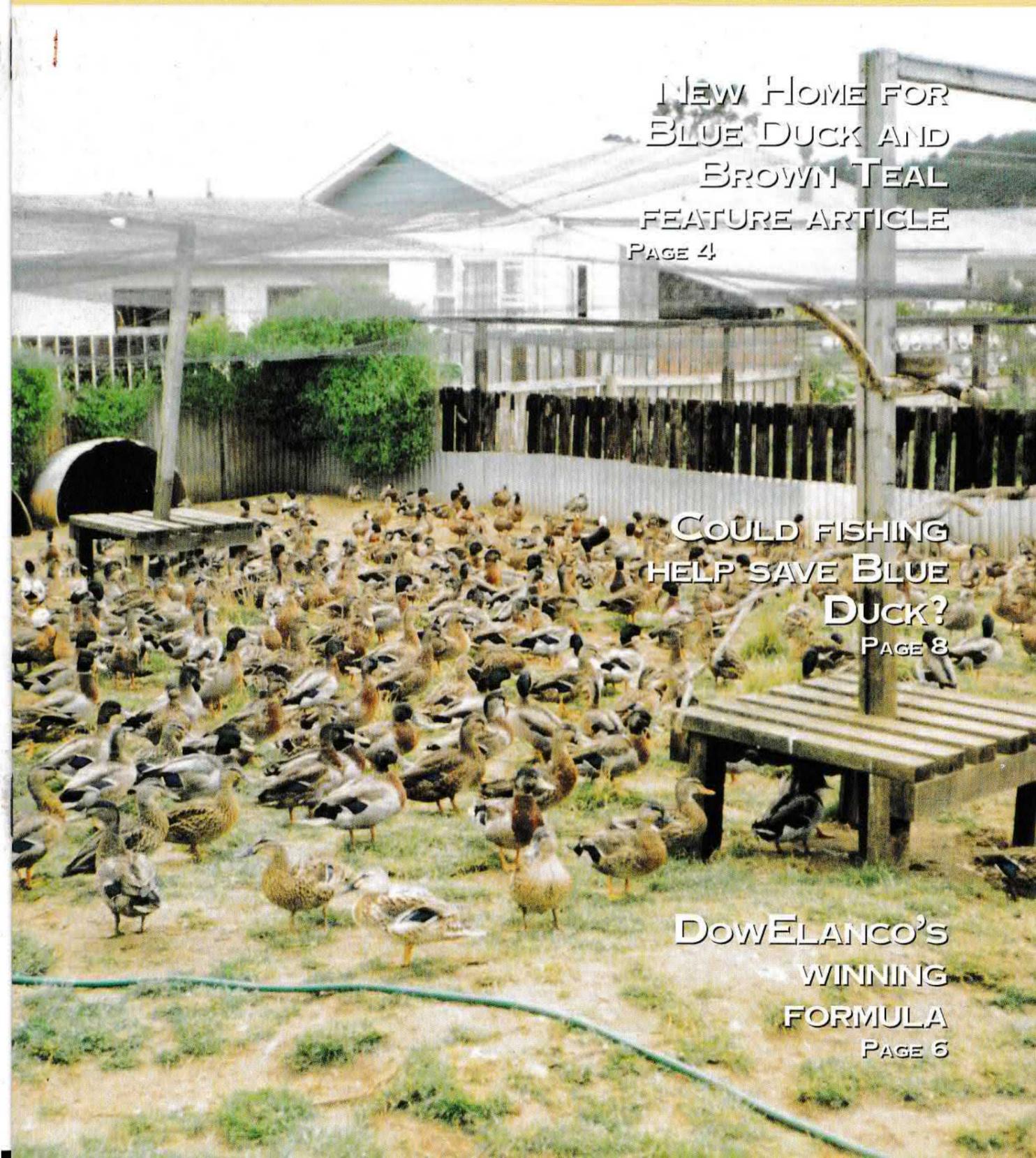


DUCKS UNLIMITED NEW ZEALAND INC. in association with Ducks Unlimited Canada, USA, Australia and Mexico

NEW HOME FOR
BLUE DUCK AND
BROWN TEAL
FEATURE ARTICLE
PAGE 4

COULD FISHING
HELP SAVE BLUE
DUCK?
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DOWELANCO'S
WINNING
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PAGE 6



OUR MISSION

We are a voluntary membership based society dedicated to the conservation of New Zealand wetlands through:
- wetland restoration and development
- breeding programmes for threatened waterfowl
- advocacy and education of wetland values

By these means we seek to ensure the ethical and sustainable use of wetland resources by all existing and future users.

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COVER PHOTO: Noisy neighbours - some of the hundreds of mallard waiting for release through Auckland Bird Rescue.

PRESIDENT'S REPORT

David Smith, President

From time to time, and more frequently of late, there has been suggestions that the Board does not communicate fully to its members. I think that there is validity in those comments but also think it true that there is more information to members now than ever before.

That it is perceived to be insufficient by some I regard as a healthy sign for our organisation.

The members are saying they want to be involved and that's great. The Board has listened to the comments and is responding.

A chapter forum was held in Palmerston North in April and it was a demonstration of the Boards willingness to involve itself in dialogue with chapters and members.

We will continue with forums until some better means of communication is found.

I have undertaken to write to each chapter chairperson after each Board meeting and I invite anyone who wishes to raise matters with the Board to write to me.

One topic which the Board is debating at the moment is the question of land ownership.

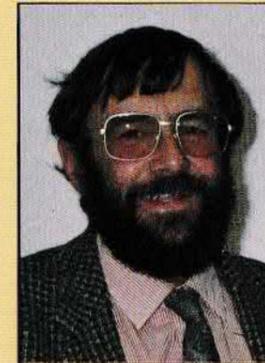
If you take the time to examine our accounts since the acquisition of the Sinclair Wetlands, and followed by the Pearce Wetlands, you can see how much effort and money has gone into those properties. In no way do I or the Board question the value

of those properties as to their wetland habitat importance.

Our ownership was to ensure that those habitats are maintained for the foreseeable future. But do we have to be owners to achieve that? If we purchase a property, make improvements and then, by way of a covenant, ensure that the property will be maintained as a wetland are we not better then to sell and use those funds on another property to achieve that end there as well. My personal view is that we are too small a society to try to be a large owner in New Zealand.

Such an exercise, on whatever scale, diverts us away from wetland creation. I and the other Board members would be pleased to have your thoughts.

ALAN FIELDING



Alan is a life member of Ducks Unlimited and a member of the Manawatu Chapter Committee. He has a particular interest in the design of wetlands, wetland vegetation, endangered plant species and believes strongly in the value of wild places.

A keen amateur ornithologist and photographer, Alan is a member of several environmental organisations both in New Zealand and overseas. He has a background in environmental horticulture, education and landscape architecture and has published two conservation books for children.

Alan is the Resource Conservation Officer for the Palmerston North City Council, and when not busy with that, he, his wife Sue and son Kris are developing 'Nine Swans' near Tokomaru and have recently built an independent low energy home there. Other interests include fish breeding, sailing, their Gordon Setter and English Pointer and, with his son, making original bird nesting boxes.

IAN LYVER



Ian's association with Ducks Unlimited came about through his appointment, as a Chartered Accountant, by the QEII Trust and the Ducks Unlimited Board as an independant consultant to review the financial position of the Sinclair Wetlands in Otago.

Although it was intended that the assignment would be short term, the nature and scope of the enquiries has meant that Ian has been participating in the affairs of the Sinclair Wetlands for about two and a half years. He is also the Chairman for the Establishment Committee for the Landcare Foundation in Hawkes Bay.

Ian has also assisted in the establishment of a new accounting system for Ducks Unlimited.

Ian, Elizabeth and their family of five share Ian's enthusiasm for the conservation and restoration of wetlands, and he is instrumental in developing the Hawkes Bay Chapter of Ducks Unlimited.

HOUSING DEVELOPMENT IN PALMERSTON NORTH

New aviaries for blue duck and brown teal have been built in the Esplanade Gardens in Palmerston North.

The city's contribution to Operation Whio (blue duck) and Pateke (brown teal) are the professionally designed and built aviaries for each of these species which

Ken Cook

have been built alongside the existing bird aviaries in Palmerston North's Esplanade Gardens. These two new enclosures will put our rare waterfowl in front of the public in a very attractive setting.

The birds will be cared for under the watchful eye of Mr Peter Russell, an aviculturist with many years experience, also, of course, a Ducks Unlimited member.

This project came about through the combined thoughts and actions of Peter Russell, Alan Fielding and Ken Cook. The



Laying the foundations for the brown teal pond



The completed ponds

Palmerston North City Council was approached to fund this project at the same time as the application for funding for the island construction on the Hokowhitu Lagoon was made (story in January, issue 83, of 'Flight'). The Council agreed to finance and assist with the design the project, under the supervision of Ducks Unlimited.

The Manawatu Resource Centre also provided 10 people, who were all long term unemployed, to carry out the work however, at most, these workers had little or no knowledge of birdlife, let alone the requirements of blue duck or brown teal. Pleasingly, at the completion of the job, they all had an appreciation of waterfowl and a lot of respect for Ducks Unlimited. It transpired that these workers were the same people employed on the Hokowhitu Lagoon islands project.

Building expertise was virtually nil among these 10 people and almost constant supervision was required for the four months of work. This was on a voluntary basis the by myself on behalf of Ducks Unlimited. Fortunately there was an experienced welder among them, however he found a part time job during the project, but then returned voluntarily on his days off to finish welding the pipe work. That's commitment for you!

The blue duck aviary required a rock mountain and a waterfall. As Palmerston North does not have either of these attractions, a request was made to the New Zealand Army who helped out with two loads of large rocks from Waiouru, delivered by a large Mack truck. The rock mountain erected, a pond was formed on top and a small pump was installed to circulate the water flow from the main pond at the bottom of the rock mountain to the top pond. The water then came down the

waterfall, through two rocky creeks, and back into the main pond at the bottom.

The brown teal pond has been made to assimilate a Manawatu coastal lake with flax's and manuka etc. Planting has been carried out and at this time we are seeking birds to stock both the aviaries.

Special thanks to the staff of Palmerston North Parks and Reserves, the Manawatu Resource Centre, Esplanade staff and the city for sponsoring the project.

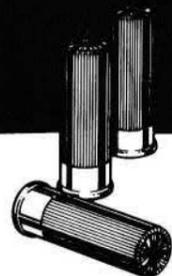


Delivery of rocks courtesy of the NZ Army

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The Dow Chemical Company Philosophy In 1990, Dow and Eli Lilly separated their agricultural products divisions to form the global company DowElanco. The Dow Chemical Company owns 60% of the organisation, therefore the initiatives in Environmental Health and Safety developed and enhanced by Dow were easily translated to the corporate needs of DowElanco New Zealand.

DowElanco New Zealand promotes the Dow Chemical Company's concern for environmental responsibility in wildlife and wetland protection. Part of the Mission Statement of DowElanco New Zealand Limited is to "maintain the highest standards of Ethics, Environmental Responsibility and Human Health". As the major users of DowElanco products are farmers, orchardists and foresters, it is a natural progression and Vision for the company to be interested in the improvement and sustainability of our outdoor environment. We share a kindred spirit of responsibility for the environment, and support Ducks Unlimited's positive vision for the conservation of New Zealand's wetlands and waterfowl.

Significant Contributions This concern has been mirrored through many of Dow's plants around the world. It isn't enough just to pay lip service to environmental issues or to just pledge an emotive alliance. Dow is putting it's money where it's mouth is. Long before many of today's environmental and wildlife concern groups were founded, the Dow Chemical Company and employees in the United States were making significant contributions to wetland and wildlife protection. Some interesting examples are:

Every spring since 1968, a colony of black skimmer waterbirds took over a parking lot inside Dow's plant in Freeport, Texas. Dow fenced off the lot so the

John Bishop, General Manager, DowElanco (NZ) Ltd

skimmers would have a place to nest. When the birds did not return in 1980, their absence was determined to be a result of growing grass and weeds. Dow employees cleared the carpark of vegetation and resurfaced it with six inches of shell. The skimmers returned the following year and since then an annual "Skimmer Open House" at the plant remains a popular attraction. In addition, the National Audubon Society holds annual birdwatching contests on wetlands located around Dow's Freeport plant.

In 1981, Dow donated more than 45,000 acres of land in the Atchafalya Basin to the state of Louisiana. Dow donated the land as part of an effort by environmental groups, sportsmen and wildlife organisations to help preserve the nation's largest river basin swamp and keep much of it available for public access. Today the Atchafalya Basin continues to be a thriving recreational area that supports a large population of wildlife.

In 1984, Dow donated 1,400 acres of wetlands in an area known as 'Peach Point Marsh' to the Texas Parks and Wildlife Department. The land, valued at US\$600,000 is a prime waterfowl habitat.

In 1985, Dow's Michigan Division donated 51 acres of wetlands to Ducks Unlimited Inc. The land, just east of Dow's Ludington site, is a haven for ducks, geese and swan. In May 1990, the Dow Chemical Company launched "Conservation 2000 - A Dow Commitment to Protect the Environment". It is a major, long term initiative to rededicate Dow and its employees globally to heightened

environmental protection and conservation. Through the launch of this initiative it was highlighted that during the previous decade, 60,000 acres of endangered wetlands had been saved and restored on or near company property, through donations of money and the time and energy of thousands of Dow employees. Frank Popoff, Dow CEO and President said at the launch, "The Company had come to realise that it is not enough just to operate it's plants safely and reduce emissions - protecting the environment includes restoring vital natural resources such as wetlands and other places where animals and birds eat, sleep and breed"

On May 23, 1990, Dow joined forces with three premier United States conservation organisations - Ducks Unlimited Inc., The Nature Conservancy and The National Fish and Wildlife Foundation - to form the "Partnership for Wetlands Conservation". Dow's contribution to the partnership was a donation of \$3 million over a four year period to partially finance projects that preserve and protect North America's wetlands. Dow's contribution through Conservation 2000 represents the largest corporate financial donation ever to benefit the 6 million acres of critical wetland habitats included in the agreement between the United States and Canada, called the North American Waterfowl Management Plan.

The first US\$ 1 million instalment Dow presented to the partners in 1990, provided financial assistance to key preservation projects at the sprawling 350,000 acre ACE Basin south of Charleston in South Carolina's low country, the 10,311 acre Peach Point Wildlife Management Area in Brazos County, Texas and the 900 acre Hillman Marsh Conservation Centre in Ontario, Canada.

In September 1991, Dow presented the partners the second instalment of US\$550,000. That donation provided partial funding for the 7,000 acre Mandalay Marsh, a wetland complex lying along the Louisiana coast within the Bayou Penchant Basin, the 14,000 acre Parrott Ranch, located along the Sacramento River in north-central California and the 2,227 acre Delhomme Reserve in Texas.

In 1993, US\$250,000 was donated of which part went to Dow projects at Crow Island and Wigwam Bay, Michigan.

In 1994, a further US\$600,000 helped projects in Michigan and California with Dow research benefiting both prairie habitat and rice flooding in California.

The New Zealand Alliance DowElanco New Zealand is very pleased to support the global initiatives of the parent company by donating time, finance and equipment to several activities administered by Ducks Unlimited New Zealand and the New Zealand Waterfowl and Wetlands Trust.

In 1992 DowElanco donated an aluminium dinghy, outboard motor and ancillary equipment which has been used

for both Brown Teal and Grey Teal field projects.

In 1993 the company supported Ducks Unlimited's membership recruitment program by donating a colour pamphlet, and by initiating the gift membership program in 1994. DowElanco have also committed to financially support Ducks

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HEADWATER ANGLERS COULD SAVE AN ENDANGERED SPECIES

Dale Towers is based at Massey University, and this article is his findings on what may possibly be a major contributor to the decline of blue duck in the wild. Dale received a \$500 research grant from Ducks Unlimited to assist with this research on the blue duck.

New Zealand's native blue duck inhabits the fast flowing headwaters of relatively unmodified rivers, habitat utilised by few other members of the world's waterfowl. The numbers of blue duck appear to have dramatically declined in the last hundred years corresponding with a period of great environmental modification by humans.

THE THEORY

We have also modified New Zealand's rivers and streams through the introduction of exotic fish species. The most successful have been the acclimatisation of brown and rainbow trout. Both species of introduced trout rely heavily on aquatic insects for food. The consequence of trout feeding on aquatic insect communities has shown to cause declines in invertebrate densities and result in alterations to the insect community's food. With blue ducks being entirely dependant on aquatic insects for nutrition, the potential for competition with trout seems obvious and was alluded to early in the research history of blue duck.



Dale Towers

The aim of my study is to investigate the role that trout may have played in the decline of this unique New Zealand duck.

THEORY PUT TO THE TEST

As part of the investigation, an experiment was conducted to test if blue ducks could detect trout-induced alteration to aquatic invertebrate communities and, if so, what their response are.

I built an aviary at Staglands Wildlife Park located in the Akatarawa Valley, approximately 20km north of Upper Hutt. John Simister and partner Sarah, run Staglands which has a blue duck exhibit as part of its extensive wildlife attractions. The blue ducks at Staglands have consistently placed Staglands amongst DU's most successful blue duck breeders.

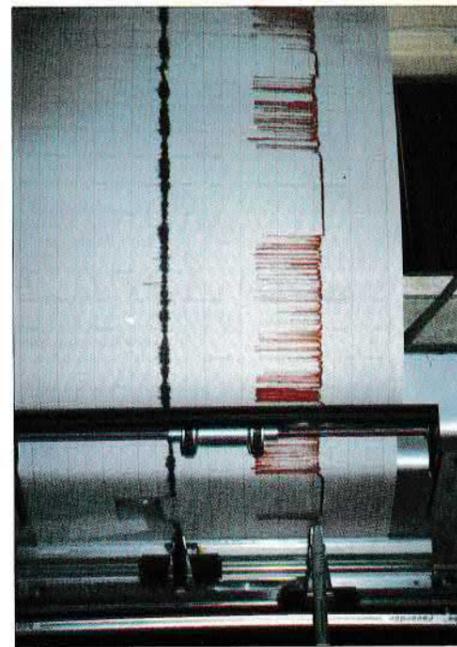
The aviary was two metres wide, four metres long and approximately two metres

high. Two identical flow-through channels were constructed within the enclosure as shown in the photo below.

The bottom of each channel was lined with stones collected from an adjacent stream. All stones were cleaned of aquatic insects before being placed in the channels but algae remained. Four clay pipes were positioned along the channel length to act as refuges for the trout.

Blue duck feeding was recorded using a purpose built infra-red beam system, similar to the common shop door warning device. Separate beams were directed down the length of each channel. When a bird crossed a beam the incident was plotted on a chart recorder for later analysis, photo two.

Aquatic insects were collected from the Akatarawa River. Approximately 20,000 insects were placed in each channel, and fifteen rainbow trout were placed in one of the channels. Four captive reared blue duck were used in the experiment. These birds



originated from Ducks Unlimited captive breeding programme and were all male and of similar age.

The experiment was run eight times. Each time fifteen trout were placed in one channel four days hours before the introduction of one blue duck. This allowed for the establishment of a trout differential in the insects held in each of the two channels. One blue duck was then introduced and its feeding activity recorded over the next 72 hours. Duck faeces and the stomach contents of three trout were collected at the termination of each run to assess food intake.

THE RESULTS

All examined trout stomachs contained aquatic insects. Trout fed primarily on caddis and mayflies.

After 96 hours, trout feeding was found to have significantly altered either the insect density or composition of the aquatic insect community, or both, compared to the other trout free channel. The ducks were then placed in the aviary and could choose which channel to go into.

All four ducks used in this experiment foraged extensively within both the channels during their 72 hours in the aviary. However, on the whole, the ducks fed in the channel containing the highest abundance of food which was usually the trout free channel. To check that the ducks were not feeding in the trout free channel

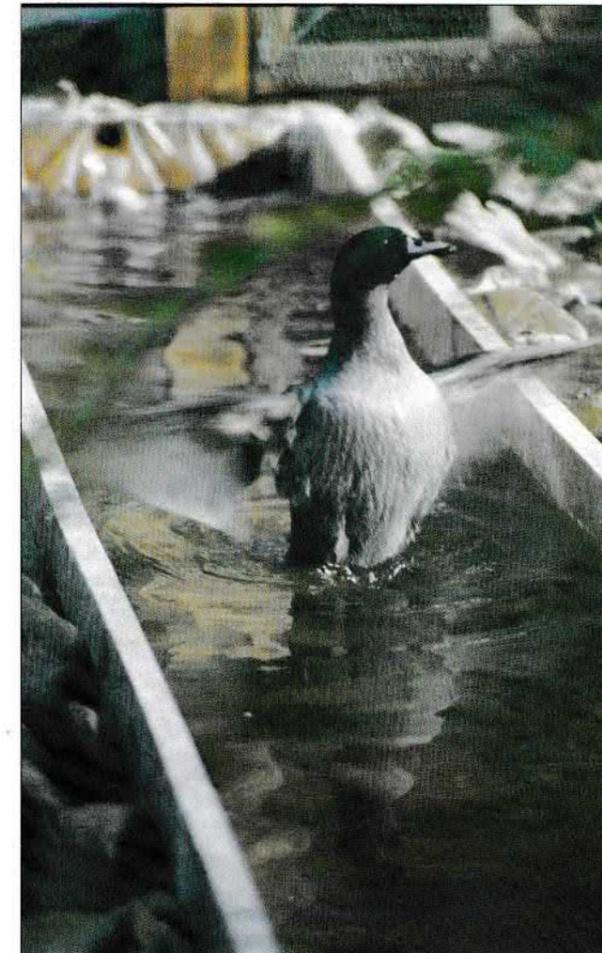
because they did not like trout swimming around their feet, I examined the feeding patterns of the birds when the insect densities were higher in the channel containing trout than in the trout free channel. Again the birds spent more time feeding in the channel containing more food despite trout presence.

SUMMARY

If blue duck detect and respond to food availability then translocating birds to rivers containing trout altered aquatic insect communities may be doomed to failure. In future, conservation managers may wish to consider limiting blue duck releases to rivers with lower trout numbers.

The main points from this experiment

are: The blue ducks used in this series of experiments readily foraged for and consumed aquatic insects. Several birds seemed to fulfill their dietary requirement totally by feeding upon the insects in the channels as they did not take any of the supplementary food (eg pellets) supplied. Faecal examination revealed presence of



temperatures get too high, the communities will become dominated by the more robust Annelid worms. Such animals are not easily caught by the blue duck as they are small and burrow in the substrate. Sedimentation is also likely to be a problem if water is being collected from a fast flowing stream or one that floods often. Such streams have

high suspended sediment loading and when the water enters the artificial aviary stream the sediment drops out. This covers the rocks, killing the periphyton upon which many of the insects feed and fills the spaces between the larger rocks thus making the habitat more favourable for Annelids and less favourable for the desired insects.

These problems aside, even relatively low quality water can support large populations of aquatic invertebrate such as snails and dragonflies. Blue ducks will feed on both of these to some degree.

Any aviary that is going to have a stream running through it fed directly by, or receiving from, a natural stream, must have the capacity to handle flood events. In the case where water is being piped by gravity feed to an aviary the problem of excess flooding and excess sediments can be controlled by a simple surge chamber. The same

design of chamber can also be used to remove sediment from water being pumped where flood surges present no direct problem.

ACKNOWLEDGEMENTS

I thank Clare Veltman for constructive discussion and comment on this article. A special thanks goes to John and Sarah of Staglands for allowing me to conduct this project on the property and for making available two of their birds. Also to Melvin Pike and Peter McKenzie who also allowed me use of ducks in their care. I also extend a big thanks to Ducks Unlimited for their financial help.

WETLAND EDUCATION - CONSERVATION CORPS

The Department of Conservation has approved a proposal made by the Masterton YMCA to involve 10 youths on a twenty week conservation and personal development course, commencing mid July 1995. The conservation aspect is focused on the protection and enhancement of wetlands and will comprise both practical and theoretical learning and appreciation of the importance of wetlands in New Zealand.

The project will capitalise upon the proliferation of wetlands still present in the Wairarapa; the interest of young people in the environment generally and wetlands specifically; the large number of unemployed locally - including school leavers. There is no wetlands course or project currently taking place in the Wairarapa.

A variety of activities will be carried out both on Conservation Estate and on private wetlands. Three Ducks Unlimited members in the Wairarapa have been approached to offer these students access to their wetland properties and to make work available to

them. Developed by Ducks Unlimited member and YMCA Executive Director, Howard Egan, the course will be supervised by a paid employee who has been selected on an experience and knowledge of wetlands basis.

The course outline is to develop the students' teamwork, confidence, work habits, communication while learning about conservation values. The group will comprise 16-25 year olds who will complete the New Zealand Wetlands Course of the Open Polytechnic, as well getting their hands dirty doing work on wetland properties. Specific areas of the classroom learning will be types of wetlands, major New Zealand wetlands, life in New Zealand

wetlands, managing wetlands and waterfowl, creating, restoring and protecting wetlands.

A course of this nature will not only benefit the participants in recognising job skills, and developing basic self improvement knowledge.

Wetlands in general benefit through a wider appreciation of their value to New Zealand, four wetlands will benefit specifically from work carried out, and the community will benefit from the young people enjoying a positive frame of mind.

It is envisaged that this will be the first of many Conservation Corps programmes in the Wairarapa.

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AUCKLAND

Auckland Chapter to the bird rescue. Faced with a large logistical problem this summer, Auckland Bird Rescue appealed for help with the large numbers of ducks rescued from Mangere sewerage ponds with avian botulism.

The Chapter was able to respond and helped move several hundred birds, after treatment, to release points around the Waikato and Northland. Chapter member Chris Bindom made several trips north with Mallard, Grey ducks and Grey Teal which were released at several sites. Grant Dumbell (DUNZ executive Director and Auckland Chapter member) made two major releases in the Waikato of over 200 Mallard and Grey duck in the Whagapae region. It is hoped that the birds remained in the vicinity of the release sites and did not return to the sewerage ponds.

Gamebird Habitat Funds Boosted At the Auckland Chapter dinner held 31st March, David Smith (President, DUNZ) presented David Lawrie of the New Zealand Fish and Game Council and member of the Gamebird Habitat Trust Board with a cheque for US\$74,000 (NZ\$120,000).

The money had been raised by the sales of the first New Zealand Gamebird Habitat Stamp and Print which were auctioned at Ducks Unlimited Chapter Banquets throughout the United States during 1994. A portion of each sale was sent back to New Zealand through DUNZ to benefit the Trust.

Ducks Unlimited New Zealand is



David Smith hands over DU Inc.'s \$120,000 contribution to the NZ Gamebird Habitat Trust Board

represented on the Trust Board by Graham Gurr, National Secretary for DUNZ.

Applications for funding by the New Zealand Gamebird Habitat Trust Board are expected to open soon. Application forms will be available from local branches of Fish and Game. Any member who has a wetland project is advised to contact Ken Cook, Supervisor for Operation Wetlands. The Auckland Chapter had a successful

dinner and auction evening in spite of the torrential rain which, at times, drowned out auctioneer Mark Cederman. Nearly 100 people enjoyed the evening. Principal donors on the evening were Sportways Gunshed, Howick Gun Shop and Halcyon Publishing. Their contributions, along with many other donated items from Auckland Chapter members, excellent food and good company made for an enjoyable evening.

MANAWATU

Manawatu Clay Target Shoot A sporting clays shoot at Neil and Jude Candy's property near Foxton was attended by 60 keen, aspiring duckshooters. A fine day, with a very interesting field set in Lupin and boxthorn covered sandhills contributed to a very enjoyable event.

The shoot, sponsored by Hunting & Fishing Palmerston North, had prizes to the last shooter. Sponsorship such as this was warmly applauded by the appreciative crowd.

We had given our dinner and auction auctioneer, Bob Wood from Levin, a free registration to this shoot. He obliged by top scoring and took the top prize of the day. On being presented with the prize by Kerry McDonald, manager of Hunting & Fishing



Kerry McDonald (right) presents Bob Wood with his prize.

Palmerston North, he promptly donated his prize back to Ducks Unlimited! A true DU

man. A presentation was also made to the Candy's, our hosts for the day.

WELLINGTON

Wellington chapter's Dinner and Auction was held on March 9 at The Lodge, Pauatahanui Inlet. Over 60 attended who contributed to an enjoyable afternoon raising over \$2,000. It was however a little disappointing that some guests did not attend after indicating they would. This had an effect on the amount raised as catering costs were incurred.

Clay Target Shoot Once again, the Ducks Unlimited Wellington Chapter shoot hosted a record number of shooters at Hutt Valley Gun Club with 107 shooters (our overall record of 144 is still yet to be beaten). The weather was lousy - cold and wet. With weather like this hopes were high for the following weekend, the beginning of the bird season. Hardy shooters braved the elements to complete the circuits of very interesting targets. Thanks to the Hutt Valley Gun Club (with the very posh new facilities!) and to Lithographic Services for their invaluable sponsorship.

PREDATOR MONITORING GETS SCIENTIFIC

The Department of Conservation has been using a technique to determine the number of predators in an area which is inhabited by a native endangered species, the mohua or yellowhead.

Deep in Fiordland National Park, tracking tunnels are placed on the ground with a foam pad inside which has been

treated with a special concoction of chemicals. When an animal walks over the pad it leaves its prints on specially treated papers either side of the foam pad. These prints give a relative measure of predator abundance during and after predator control programmes.

The footprints of weasels, stoats, mice, ferrets, hedgehogs and possums are indelibly recorded and thus an indication of predator quantity can be assessed.

FIELDING PROJECT

DU assistance was given to Alan and Sue Fielding to re-establish a wetland at their property at Tokomaru. This was a case of a poorly constructed head which failed some years ago. The head was rebuilt to a very good standard and considerable work was carried out on the watershed leading to the 1.5Ha pond. They now have approximately 3Ha of water with considerable edge and shallow dabbling water. The water source is a small spring which flows right through summer.

OPERATION WETLANDS HOME LAGOON

A new water source has been provided by excavating a

channel from the Ruamahunga River to Home Lagoon. This will enable control of the water level and we should avoid the very low levels we have experienced in the past.

The channel is fed from a control valve which can be opened when the river is at a medium flood level. As there was very little fall from the source to Home Lagoon, this was quite a technical project and considerable expertise was involved in the planning and excavation work.



DUNZ's Executive Director Grant Dumbell demonstrates his ability to herd a large number of mallard by seemingly to be "one of the crowd"

PLEASE CONTRIBUTE

STORIES

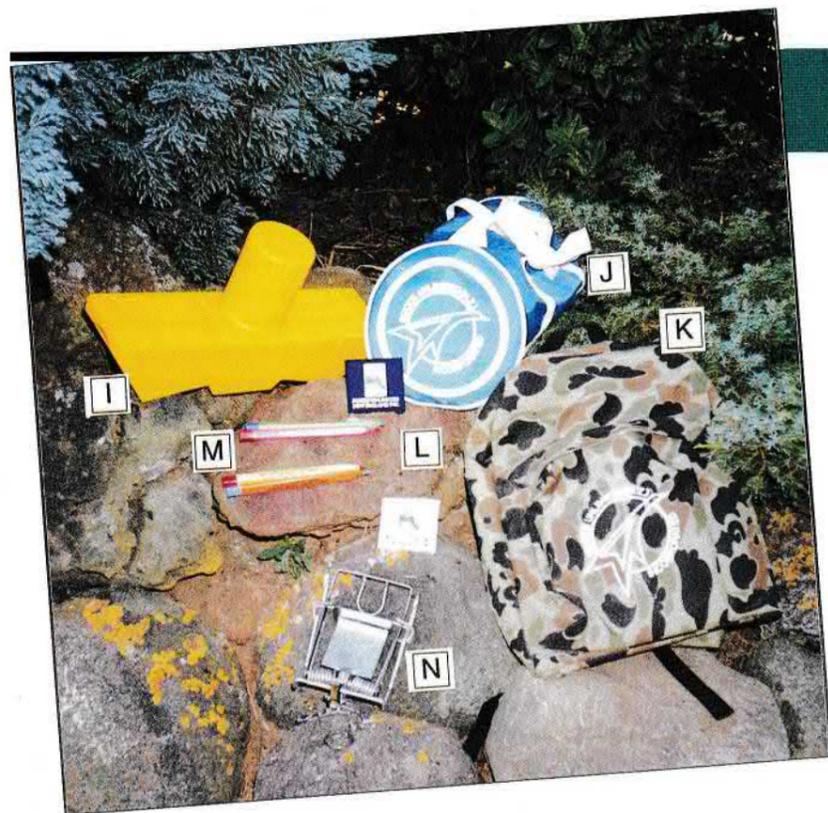
We want your contributions. "Flight" magazine is always keen to publish articles about wetlands and wildfowl, technical articles, experiences and projects that our members have been involved in or stories about your place or someone else's that you would like to share.

Please send neatly handwritten or typed stories to Ducks Unlimited, P O Box 9795, Newmarket, Auckland. Please enclose photographs to support your story too. These will be returned if requested.

PROFILES

"Flight" would also like to know more about you, our member. You will have seen profiles of our board members in the last few

issues. Well now that we are almost through the rank and file, "Flight" wants to meet more members. Don't be shy, send a head and shoulders picture of yourself and jot down some information such as where you come from, your occupation, your interests etc and send to Ducks Unlimited, P O Box 9795, Newmarket, Auckland.



National Sales Items

H. DU DECAL

Permanent exterior. Our colourful DUNZ logo - suitable for cars, boat, bags, anywhere. Show you belong with pride.

\$1.00

I. BAIT STATION

Waterproof heavy duty plastic tunnel. Includes two Talon based baits. Ideal for around your captive pond or aviary.

\$25.00

J. ROLL BAG

Blue only. Waterproof nylon outer with synthetic zip.

Price \$21.00.

K. CAMO BACKPACK

Waterproof nylon outer with heavy duty synthetic zip. Outer zip up pocket. Ideal for school children or day trekkers.

Price \$36.00.

L. DUCKS UNLIMITED MONOGRAMMED CLOTH PATCH

Available in navy and white.

Price \$10.00.

M. MAXI PENS

(Box of 10) **\$13.00** or single **\$1.50**. Available in blue and red.

N. FENN TRAP MK 6

Deadly on ferrets, stoats, weasels, rats. All metal construction. The ultimate quick kill tunnel trap.

Price \$30.00 or 2 for \$50.00.

F. DUCKSHOOTERS - SPORTSMEN & CONSERVATIONISTS

An interesting book written and published by the author, a portion of whose sales profits are generously donated to DU.

Price \$20.00.

G. THE HAWAIIAN GOOSE

A comprehensive commentary of the captive breeding program that saved the goose of the Hawaiian Islands.

Price \$25.50.

A. READERS DIGEST COMPLETE BOOK OF AUSTRALASIAN BIRDS

A superb book, full of colour photographs covering the spectrum of Australasian birdlife.

Price \$85.00.

B. PONDS & LAKES FOR WATERFOWL

Published by the Game Conservancy, this book covers the creation, improvement and development of waterfowl habitat. Many interesting snippets.

Price \$54.00.

C. WETLANDS - DISCOVERING NZ'S SHY PLACES. GORDON STEPHENSON

A lovely little book, in which the author, a former QEII National Trust Regional Representative, visits wetlands of varying types throughout New Zealand.

Price \$15.00.

D. KEY TO THE WILDERNESS OF THE SOLD OUT

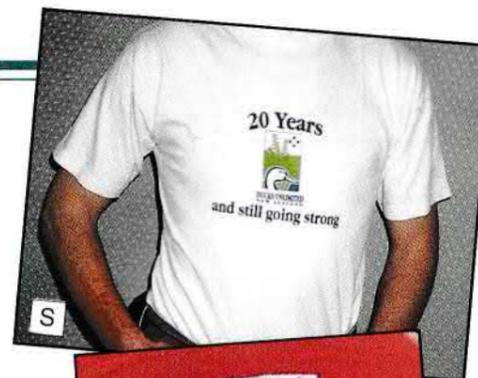
Easy to use bird identification field guide.

Price \$14.50.

E. ERIC HOSKING'S WILDFOWL

Previously reviewed in 'Flight.' A must for junior members. Full of magnificent photographs by one of the worlds for most wildlife photographers.

Price \$50.00.



O. DUCKS UNLIMITED CAPS

One size fits all, black, red, blue.

Price \$15.00.

P. SELECTION OF LAPEL/STICK PINS

Left to right - Stick pin **\$5.60**, DUNZ lapel pin **\$5.00**, Large Duck Head lapel pin **\$6.75**.

Price \$30.00.

R. IMPORTED DUCKS UNLIMITED TIES

In three colourways, green/claret, navy/green, navy/red. Each features the DU Duck Head. 100% silk.

Price \$40.00.

S. DUCKS UNLIMITED 20th T-SHIRT

Cotton, unbleached t-shirt with DU logo. Sizes Medium, Large and Extra Large.

Price \$25.00.

Membership Categories

Junior (under 16)	\$10
Contributor	\$35
Bronze Sponsor	\$60
Silver Sponsor	\$125
Gold Sponsor	\$250
Life (one payment)	\$1,000

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Duckshooters - Sportsmen & Conservationists	<input type="checkbox"/>
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DU Decal	<input type="checkbox"/>
Bait Station	<input type="checkbox"/>
Fenn Trap Mk 6	<input type="checkbox"/>
Roll Bag	<input type="checkbox"/>
Camo Backpack	<input type="checkbox"/>
DU Monogrammed Cloth Patch	<input type="checkbox"/>
Maxi Pens - Box of 10	<input type="checkbox"/>
Maxi Pens - Single	<input type="checkbox"/>
DU Cam-O-Paint	<input type="checkbox"/>
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Print - Shovelers - Russell Jackson	<input type="checkbox"/>
Print - "Whio" - Paul Martinson	<input type="checkbox"/>
Print - Grey Teal - Lex Hedley	<input type="checkbox"/>
Print - "Pateke" - Pauline Morse	<input type="checkbox"/>
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