



TAWHARANUI OPEN SANCTUARY SOCIETY INC.  
Newsletter No. 51 December 2014



**So this is our new home?**

On Saturday 4th October ten Takahē arrived at Tawharanui.  
This achievement was made possible with the generous help of the sponsors.



**The Tindall Foundation**  
*Contributing to a stronger New Zealand*

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Tawharanui Open Sanctuary is a joint project with Auckland Council.

## Chair's Report



My first scheduled utterance since being elected Chair of TOSSI, a short speech on behalf of all of the members of TOSSI as part of the welcoming ceremony for 'our' takahe arrival, came to nothing. The weather and delays due to transmitter issues meant those attending the event headed straight for afternoon tea and the speeches went unsaid.

As well as Thank Yous I wanted to make two points: Firstly, that conservation work now relies heavily on the philanthropy of donors matching the hard work of volunteers. TOSSI is fortunate to have had generous helpings of both. The successful takahe release and subsequent care of the birds is proof of what can be achieved when funding and effort align. My second point is that we need to encourage the younger members of society to help us care for our world.

Since becoming Chair and thus now dealing with the TOSSI email, I am astonished at the number of groups that want to come to Tawharanui. Corporate 'team builders' enjoying a day of real work for a change, school groups equally as delighted to be out and about, and other groups such as the Ornithological Society have all shown an interest. The workers are lined up by Maurice to shift mountains of metal or chop thistles or refill sand ladders. The ever-growing number of visitors want more of our story than they can see or hear from the bird song. All of which adds up to needing TOSSI people to assist. Consequently, a plea for those who haven't already heard it, for anyone interested in being a TOSSI host to let me know so we can have a pool of people available when necessary. The only skill needed is the ability to skite a bit about what has been achieved at Tawharanui. The development of this team will help to maintain links to the corporate world and encourage school kids to get involved, so I see it as an opportunity to make a significant contribution to our ongoing success.

The committee is busy doing what we do - supporting the nursery team, participating in pest and weed management, spreading the news and all things in between.

Some new things to anticipate, in no particular order:

- a replacement for the T-shirt is under consideration and might include a range of clothing items
- we are working with Auckland Council on the development of the heritage trail to highlight the history of the park and the people that have impacted on it;
- while it has not taken any concrete form yet, we are thrilled that Maggie has drafted a history of TOSSI, and we are about to consider how that can be turned into a worthy publication;
- we are hoping to have a TOSSI Facebook page soon. I know nothing about Facebook except that we all have to 'like' it in due course, which seems strange to me - why would we not like it?
- our Memorandum of Understanding with the Council, which gives legal form to our working relationship, is being renewed with an intended timeframe of ten years.

If you have any ideas or pet projects you would like to see happen at Tawharanui, let me or any of the committee know, preferably in writing.

By the time this newsletter is published we will all be winding down for the Christmas holidays. I hope many of you can get to the park over the summer to relax for a change.

Many thanks for all the work that you have put in this year and safe travels if you are going away. We look forward to seeing you next year.

My speech would have closed with this quote from Colin McCohan:

" You bury your heart and it goes deeper into the land.

You can only follow.

It's a painful love, loving a land.

It takes a long time."

Happy Christmas. Ngaire Wallen

## Takahe Are Here!

Ten critically-endangered takahe were released at Tawharanui Open Sanctuary on 4th October. They were welcomed with great style and enthusiasm by a crowd of three hundred hardy supporters who braved a blustery and wet day. The birds themselves had left a snow-covered South Island that morning so to them the rain and wind must have seemed just fine.

Guests attended a powhiri at Anchor Bay where Ngati Manuhiri along with Auckland Council and TOSSI welcomed the takahe and representatives from Ngai Tahu, Department of Conservation and Mitre10 to Tawharanui Open Sanctuary.



The ceremony recognised the significance of the birds for Ngai Tahu and the value of partnerships in conservation and included waiata from Leigh School and the Takahe Recovery Team.

The birds were then released from their special travel boxes near the Ecology Stream by representatives of TOSSI, Mitre10 MEGA Warkworth, Ngati Manuhiri, Auckland Council and the Department of Conservation.

These ten birds are incredibly precious. With only 58 breeding pairs of takahe at safe sites right now, Tawharanui has an important role to play in the future of this species. Together with our project partners Auckland Council, Department of Conservation, Mitre10 Takahe Rescue, Ngati Manuhiri and Ngai Tahu, TOSSI has

been involved in planning and fundraising for the arrival of takahe for the last 12 months.

Takahe are taonga and we thank Ngai Tahu for their support in transporting these takahe from Fiordland to Tawharanui.

The ongoing support of all our volunteers and donors is very much appreciated and TOSSI is particularly grateful for the generosity of the Tindall Foundation and Mitre10 MEGA Warkworth who have funded a new fence section to help contain takahe. The JS Watson Trust, Flight Centre Foundation and the Greenwood Trust have provided grants to purchase transmitters and receivers to monitor the birds in their new home. In addition we have received many very generous donations from TOSSI members and supporters.

Since the release day, I have been privileged to have been a part of the team of twenty or so TOSSI volunteers that have been monitoring the takahe. Everyone involved has been enthralled with the daily accounts of where the birds are, who they are hanging out with and occasional adventures as some birds have explored far and wide. Initial sightings were rare but with time the birds have become more relaxed and now we see several takahe on each monitoring shift.

James Ross, Fauna Coordinator

### Open Sanctuary Coordinator update



It has been a great delight to welcome takahē to their new home at Tāwharanui Open Sanctuary and wonderful to see this embraced by TOSSI members, park visitors and the wider community. On something of a 'busman's holiday' over Labour weekend my family and I got to enjoy first-hand the abundant wildlife on the park. Whilst quietly watching a brood of ducklings on the Ecology Stream I was tickled to have a runner breathless from both exercise and awe alert us to a group of takahe happily mooching about by the track edge near the pumpshed.

I must commend the fantastic TOSSI takahē team who faithfully and enthusiastically undertook daily radio tracking of these new arrivals for the first month. It has been very pleasing to see the birds settle down into three distinct groups each comprising one male and two females. We also have one loner who did quite some wandering in her early days covering all corners of the park. She has settled down now but remains aloof. We've now pulled back to monitoring

takahe every second day and as the birds become more established this will reduce further as we gain confidence.

I have also greatly enjoyed the additional notes that accompany the monitoring records. Nesting morepork have been sighted, saddleback song is a constant, NZ dotterel has been breeding observed and protected and there have been quite possibly more bittern observations in the wetland in the last two months than the several years preceding. It is also wonderful to read of the obvious camaraderie and fun that is a key part of the takahē monitoring experience.

Taking on the care and responsibility for these birds has not been without challenges. Electronic sentries have been established at each fence-end to alert the potential for imminent departure of any takahe that may choose to wander around the coastal ends of the pest proof fence and its anti takahe dispersal extensions. These sentries were designed with a nominal range of 50m and they work by detecting the UHF transmitter attached to the takahe's radio transmitter, which texts a station. This converts it to email and emails me via cell phone at all hours. But they were better than hoped for and early range testing gave fixes from ridges and high points up to 600m away! As the birds have settled down these false alarms have reduced and we've learnt how to verify these and respond appropriately.

Another technical challenge has been 'slippage' of the duty cycle of the radio transmitters. This function serves to limit activity to 8 hours a day to preserve battery life and deliver a full two years service. However, some timings have slipped and we now have one 'overnighter' bird that can only be monitored between 10pm and 6am! Plans are afoot to recapture this and other birds to reset the transmitters to more sociable hours.

Another point of note is the splendid advice and support from the Department of Conservation takahe team based in Te Anau, who along with a local TOSSI think tank provide a great 'go to' team to work through issues and challenges as they arise. I truly value this support and it emphasises the partnerships between agencies, community and commercial sponsors that have made this a success.

Takahe at Tawharanui is truly an endorsement of our coming of age. Our track record over ten years creating and maintaining a pest free sanctuary integrated with public recreation and a working farm has been recognised and rewarded. TOSSI's reputation as a successful community-led conservation organisation continues to grow and impress and the same is true for the individuals who help make up the membership. I value the skills and commitment of the many members who given their time to make Tawharanui a wonderful place to visit.

Take a moment to reflect that just ten years ago we were concluding the later stages of the animal pest eradication that has set us upon this journey of discovery. Thank you to all TOSSI members over the years who have helped make the dream a reality.

All the best for the holiday season. With kind regards, Matt Maitland  
I can be contacted at [matt.maitland@aucklandcouncil.govt.nz](mailto:matt.maitland@aucklandcouncil.govt.nz)

## Fluttering Shearwater Breeding at Tawharanui

Takahe are not the only new faces at Tawharanui Open Sanctuary. Seabirds are making a stunning return to Takatu Point attracted by the pest-free environment and some big speakers.

Seabirds can be quite a challenge for any restoration project as they are colonial breeders and tend to be faithful to their birth site. At Tawharanui we have used birdcalls to overcome this barrier. For the past three years, three sound systems have been nightly broadcasting seabird calls from the headlands of Tokatu Point far out over the waters of the Gulf. The calls are specific to those species we have targeted for recolonisation of what would have been, historically, a prime seabird breeding site. The aim is to give the impression of a busy seabird colony, encouraging passing birds to investigate and ultimately make this site their home.

Automatic cameras have shown that large numbers of grey-faced petrels, fluttering shearwaters and diving petrels have been attracted to land by the 'birdy stereos'. The discovery of a diving petrel chick just a few metres from a speaker within months of installation was stunning confirmation of the early success of the project.

Earlier this year a trained 'petrel-sniffing' dog located a new seabird burrow on a remote cliff-top. Using a 'bore-scope' we identified the occupant as a fluttering shearwater. Two weeks later we checked again and found an egg! Now after a nervous wait of about 50 days we can confirm that there is a chick - the first for Tawharanui and one of only a couple recorded on the NZ mainland in recent decades.

The fluttering shearwater is ubiquitous to the Hauraki Gulf and is often seen in large flocks moving rapidly in association with schools of kahawai or trevally. It is a small dark-brown-and-white shearwater with a distinctive, 'flutter-glide' flight.

Diving petrels and fluttering shearwaters are common birds that breed on many of the mammal-free islands in the Hauraki Gulf and on islands elsewhere in New Zealand. However, we believe these are the only recent records of these two species breeding on the *mainland* around the Hauraki Gulf.

Grey-faced petrels have been breeding at Tawharanui since at least 2009 and this season we have found six chicks. What's more, three of the chicks are in cosy artificial nest burrows that were only installed last year.

Burrowing seabirds have often been described as 'ecosystem engineers' as they import marine nutrients to the land and till the soil with their burrowing. They play a crucial role in maintaining healthy coastal forest ecosystems in New Zealand. While so far the numbers of seabirds breeding at Tawharanui are small, their return is a huge step towards restoring a self-sustaining natural environment.  
James Ross, Fauna Coordinator



Fluttering Shearwater  
Photo by Hadoram Shirihai C Tubenoses Project

At Jones Bay lawn three new little variable oystercatcher chicks venture out. Variable oystercatchers are doing well this season and New Zealand dotterel are taking advantage of this. Four pairs of NZ dotterel have nested by variable oystercatcher nests most likely as extra protection from black-backed gulls.



An Australasian gannet has taken a liking to the decoy gannets east of Anchor Bay. Hopefully the first of many to make this home. Photo taken by an observation camera.



Above. Friends of Auckland Regional Parks pay a visit to Tawharanui.



Right. Committee member Doreen Guest returns from testing the water in streams.



TOSSI Committee; Ray Blackburn, Alison Stanes. James Ross, David Stone, Patte Williams and Chairperson Ngaire Wallen. Missing from the photo is Doreen Guest and new member Karyn Hoksbergen (see page 8).



On Saturday 4th October ten Takahe arrived at Tawharanui. The takahe were caught at Te Anau at 3 am in snow. They travelled by car to Christchurch, then by Air New Zealand to Auckland where they had a bumpy landing. From Auckland they travelled by car to Tawharanui where they waited for the formalities before being released. As soon as their eyes adapted to daylight they were off to explore their new home.



Cam Caithness of Mitre 10 Warkworth and Martin Genet DOC carry takahe to the welcoming site.



Takahe are off to the release site beyond the pump shed into Ecology bush.



After months and months of planning Matt Maitland is jubilant to carry a takahe to the release site with his family.



In a line up to release takahē are representatives, from left to right: Keira Sumner, Whenuapai School; Cam Caithness, Mitre 10; Carol Clinton, kiua for Ngati Manuhiri; Christine Fletcher, Auckland Council and Deidre Vercoe, Department of Conservation.



Lily O'Brien and Ngaire Wallen release a takahē.



Dorothy Cooper releases a takahē.



Roger Williams and Alison Stanes release a takahē.



James Ross and David Stone release takahē.

## Takahe settle in at Tawharanui



Pleiades KO-YM



Frana GR-RM



Dampier BK-OM



In Mangatawhiri wetland five takahe take turns at a supplementary feeder.

### New Committee



Kia ora to the TOSSI newsletter readership. My first experience of this magic place was being introduced by friends to what was then Takatu Point in the early 1980's on a side trip to Goat Island. At the end of the windy dusty road we parked the car on the dune and enjoyed the pristine isolation and solitude of the beach at what seemed like the end of the world. A little piece of paradise. A decade later (having moved away from the Auckland region soon after our first visit) we then returned annually with our growing family on Christmas visits back to stay with Titirangi-based grandparents. Pre-sanctuary, the beach was the attraction with sandcastles, swimming and bodyboarding being superseded by snorkelling around Flat rock at Anchor Bay as our children became more water confident than their mother! In 2000

employment returned us north and we became regular visitors to the newly formed Tawharanui Open Sanctuary. Noticing the environmental improvements of the newly planted areas we started attending TOSSI workdays and began to understand the opportunities offered by the pest-proof fence. This has given me a much better appreciation of the necessity to maintain and enhance our local environment. I look forward to my ongoing TOSSI involvement as the treasurer. Karyn Hoksbergen



Takahe introductions as printed on the side of the boxes that transported them to Tawharanui.  
(Colour bands are read on the bird's left leg top to bottom, then right leg top to bottom.)

Kia ora. My name is Maaka. I am 5 years old female takahe. I'm the oldest birds travelling today, but hey I'm quite a young chick for a takahe. We live 15 to 20 years at secure sites like Tawharanui and have even been known to live for up to 27 years in captivity. Although I have small wings I can't fly. Thanks for the lift Air New Zealand! I am female. My colour bands are white, black - black, metal.

Kia Ora. My name is Kiko. I was named by Ngati Manuhiri, Mana whenua and Kaitiaki of the rohe including Tawharanui. Kiko is short for Kikorangi or blue, but another takahe already has that name, so I'm Kiko. We takahe are unique birds, so we need unique names! Shadowfax and Catlin are my genetic parents, but I was fostered on to Tintin and Jekyll as an egg. They'd laid their own egg but it was infertile, so the Takahe Rangers borrowed one from Caitlin and Shadowfax, placed it under Tintin on her nest and here I am! My colour bands are orange, blue - black, metal.

Kia ora. My name is Minaret. I hatched at Burwood Bush Takahe Breeding Unit last November. I was the first chick for my parents, Langley and Uruao. They moved to Burwood from Mana Island. Takahe must be moved between sites to avoid us accidentally breeding with close relations. That would mess up our genes. Now I'm going to Tawharanui Open Sanctuary—the newest secure home for takahe. That's nearly 1800 km and I can't fly. It'll be four hours in a car and 2 hours in a plane, not to mention the various transfers in between. What a journey for a young takahe! My colour bands are green, red - orange, metal.

Kia ora. My name is Douglas. I'm named after Douglas Peak, the third highest peak in New Zealand. I hatched in a nest hidden under a large tussock at the Department of conservation Burwood Bush Takahe Rearing Unit, way down in southland. At first I was just as a cute ball of fluff with a white beak and humungous grey feet. Those feet took a bit of getting used to, but now I've grown into them I can use them to hold my food and I can run pretty fast over rough ground. Just watch me go when I get out of this box! My colour bands are orange, white - red, metal.

Kia ora. My name is Peti. I was named by Aparima Oraka runaka of Ngai Tahu. Takahe are taonga (treasures) of Ngai Tahu. I am female, but I'm only two years old, so don't be surprised if I don't breed for a couple of years. Most of us here today are young birds, so it's unlikely we'll successfully raise chicks until 2015/16 season. Hey, that might not stop us trying! My colour bands are orange, red - white, metal.

Kia ora. My name is Frana. I'm named after Frana Cardo, who was mayor of Southland for 21 years. That's pretty rare for a mayor. I'm rare too, well actually I'm endangered—critically endangered—next step the wrong way would be extinction. Saving takahe is a big job! Thank fully Mitre 10 Takahe Rescue is giving me and my takahe mates a helping hand. For the last 10 years they've been making sure people know about us and the threats we face and they have contributed over \$1 million to Takahe Recovery. Good on you Mitre 10! My colour bands are green, red - red, metal.

Kia ora. My name is Pleiades. I began my journey at 6.30 am this morning when DOC rangers caught me in my tussock-filled pen at Burwood Takahe Breeding Unit in southland. I love tussock. It's tasty and it's good to shelter under in the rain and snow, plus it's handy when it comes time to build a cosy nest. At Tawharanui there won't be tussock, but I'll enjoy feeding in grasslands and wetlands. When I nest I'll probably hide in flaxes or und shrubs. Thanks for the secure new home, Tawharanui Open Sanctuary Society and Auckland Council! My colour bands are black, orange - yellow, metal.

Kia ora. My name is Tamahunga. I'm an icon—whew, what a responsibility for a young male takahe. Once upon a time New Zealand was a land dominated by large, flightless, plant eating birds. Of all these plant eating 'mega-fauna' only two species survived human contact. Of the 'grazing' birds, there's just takahe left—we're the moa that survived! My colour bands are green, red - green metal.

Kia ora. My name is Dampier. I am not a pukeko—I'm far more gorgeous! Why do people confuse me with those pesky birds? I'm bigger and far more beautiful. Check out my gorgeous feathers and get a load of my awesome legs and beak! You wouldn't see these chunky numbers on those scrawny little swamp hens. You know me from other takahe, look for the coloured bands on my legs; blue black on my left leg and orange above metal on my right. Takahe rangers would call my colour code blue, black, orange, metal or BK-OM. I've got more bling than Paris Hilton! My colour bands are blue, black, - orange, metal.

Kia ora. My name is Joan. I am named after Joan Watson. For many years takahe were considered extinct. In 1948 we were rediscovered in the Murchison Mountains. Joan was in the party that rediscovered that takahe. In the Murchison Mountains are the only 'wild' population left thanks to some nifty conservation work over the last fifty years. Now takahe are at several 'secure' sites around New Zealand; safe from predators like stoats and cats. Thanks to Auckland Council and TOSSI for providing me and my takahe mates a home at Tawharanui. My colour bands are orange, metal - white metal.

## Bird News

Morepork. 5/10/14 After Sunday in the park a small group of TOSSI volunteers ventured out to see if the takahe were visible. We looked across a gully to where they were released and saw blue birds quietly feeding on the open kikuyu. On looking through binoculars they were definitely pukeko. The takahe a little traumatised after their journey the day before were well hidden in the gully and ready to bolt at the sight of humans. Fortunately the team were well satisfied on spotting two morepork on the return walk. Alison Stanes



Saddleback. 12/10/14 A pair of saddleback were observed at Waikauri Bay, outside the park. Kevin Parker was quick to have them captured with mist nets and returned to Tawharanui.

"We have lots of saddleback in the park, was it necessary to be catching them and bringing them back?" I asked. Kevin replied, "Saddleback will only last five minutes out there. Saddleback became extinct before the huia. They roost and nest close to the ground and get taken by rats cats and stoats. I took them way down the park to Tokatu Point and let them go there." Alison Stanes

Takahe. 28/10/14 Takahe 78 triggered the sentinel at Jones Bay last night and became the priority bird. We quickly established that it was in a gully on the coast between Jones Bay and Waikauri Bay, outside the park. A team was assembled and advice sought. Bird was slowly moved around the coastal cliff back to the road at Jones Bay. Plan then went a bit messy. Eventually with the help of Kevin Parker 78 was captured and returned safely to Ecology Stream upstream of the junction with Gully 3. Hopefully that is where it will be tomorrow! Thanks to Sally, Justine, Keith, Kevin Parker and two guys from the Marine Lab who turned up just at the right time. James Ross

**Takahe Monitoring. 31/10/14 All in a day's work.** The day started with fourteen dolphin having a great time only twenty five metres off shore, just out from the Rangers house in Jones Bay. All ten takahe were confirmed safe and sound in the park by the radio receivers. The takahe are becoming more accustomed to people and five of them even walked out to see what we were doing in Mangatawhiri Wetland. A bittern flew out in front of us and startled us in Mangatawhiri Wetland. A morepork watched over us in an Ecology gully, two pairs of pateke each had young ones in Ecology stream and a gannet was snuggled up asleep with the decoys. That's all. It's a tough life but someone's got to do it! Kerry McGee

Takahe Observation. 23/11/14 I walked along the ecology bush track this afternoon, hoping to show my sister-in-law some birds. Saw the 3 takahe over in the meadow just before the Y junction. One of them sent off a pukeko in no uncertain terms - no problems there. The pook did a good squawk in protest. The three takahe looked in fine form and very settled. Sally Richardson.

Takahe Monitoring. 24/11/14 I saw all three of the Ecology group and noticed one Takahe go up and look in to a morepork nest only to be chased off by a vigilant parent swooping down from a nearby branch. Hopefully the nearby camera on the morepork nest got the shot? Ray Blackburn

(Unsure if the camera on the nest got the photo but here is a photo taken by James Ross of the morepork chick in its nest with an egg that has not hatched. Editor Alison Stanes.)



Pateke. 25/11/14

I was spraying sharp rush. Such a tedious job! Imagine how my spirits were lifted when I saw this brood of 11 pateke juveniles with 1 adult out in front in Lagoon stream towards the camp ground gate culvert. There are not many places where so many would all survive. Alison Stanes



A big Thank You goes to Dorothy Cooper.

Dorothy has been our membership secretary for many years. She has diligently managed the membership list and posted out the newsletters. It is one of those behind-the-scenes jobs that we are very grateful for volunteers to take on. Dorothy's efforts deserve to have been on a front page only those jolly takahe took over this issue! Thank you for hours of time and energy given to the task.

Janet Burrell has volunteered to take over the roll. We welcome you to the team.

Alison Stanes Committee and Editor.

Help TOSSI by making a gift.

The committee recently discussed ways of encouraging people to include a gift to TOSSI as part of their will.

Many supporters may feel they have done their bit while they are alive – surely you have earned the right to rest in peace, particularly after a planting day in pouring rain! A family group recently returned after five years to see how 'their' planting, done collectively five years ago as a memorial act, was coming along, and were very grateful that TOSSI supported them to do so. As a Grade 1 park, there is no provision for memorial plaques or permanent signage, but people can easily plant a tree that has special meaning, in most cases known only to them.

The gifting of funds to TOSSI in your will is something you might like to consider. In our family, we only get to charity in the "What if we are all dead?" option. It is easy to be a bit less dramatic and include a cash bequest to TOSSI, because the Tawharanui Regional Park is a place that has been very special to you or a loved one.

If you would like some advice on how to effect such gifting, please contact David Stone, our secretary, on 09 627 1526.

TOSSI Committee

Chair	Ngairie Wallen	09 627 1526
Vice Chair	James Ross	09 422 6760
Secretary	David Stone	09 528 5712
Treasurer	Karyn Hoksbergen	09 5851315
Editor	Alison Stanes	09 524 0291
	Doreen Guest	09 422 7974
	Patte Williams	09 425 9127
	Ray Blackburn	09 425 4995

Correspondence: Chair or Membership Secretary  
P.O Box 112 Matakana 0948

Email: secretary@tossi.org.nz  
Website: www.TOSSI.org.nz

A big Thank You goes to Patte Williams.

Patte has been on the TOSSI committee for four years. She kindly sends out the TOSSI email newsletters as well as doing the shopping and catering for Sundays in the Park barbecues. She has advised that due to numerous commitments she would like to step down from the catering job as from the beginning of 2015.

She will continue with the E letter and the committee until the next AGM in September and then retire from these rolls.

Patte's efforts too deserve to be on a front pages of this newsletter but those big blue birds took over. Thank you for your dedication in buying the best organic sausages and food for the barbecues for Sunday in the parks.

The job of purchasing food for Sunday in Parks has become vacant so if any one is interested please inform any committee member.

Alison Stanes Committee and Editor.

Application form for NEW MEMBERS  
Tawharanui Open Sanctuary Soc.Inc.

Name(s): \_\_\_\_\_

Address: \_\_\_\_\_

Phone No. \_\_\_\_\_

E-Mail \_\_\_\_\_

Occupation \_\_\_\_\_

How did you hear about TOSSI?

Please tick how you would like to help:

- Planting/workdays
- Bird Counts
- Fund raising
- Administration
- Monitoring Pests
- Nursery
- Predator fence monitoring
- Environmental educational
- Publicity/promotion
- Art in the Woolshed
- Other \_\_\_\_\_

Membership fee:  
 \$20 single membership \$ \_\_\_\_\_  
 \$30 Family membership \$ \_\_\_\_\_  
 Additional contribution (optional) \$ \_\_\_\_\_

Donations over \$5 are tax deductible

Gift Membership:  
Please send membership to  
Name: \_\_\_\_\_

Address: \_\_\_\_\_

Amount of Gift membership(as above)\$ \_\_\_\_\_  
Total amount enclosed \$ \_\_\_\_\_

Please make cheques payable to Tawharanui Open Sanctuary Society Inc. and return the completed form to:

TOSSI Membership Secretary  
P.O.Box 112  
Matakana 0948



On Tuesday 21st October dolphins fished and frolicked in Jones Bay. Later in the day rangers' families swam and interacted with the dolphins, one young man eventually leaving the water almost blue with cold!



Nine of the sixteen common dolphins that spent all of Tuesday 21st feeding in Jones Bay.



Calum has photographed a north island robin that was banded last season with black over metal on the right leg.



His brother Angus photographed a weta in Ecology Bush. These two boys have grandparents living near Tawharanui. They can identify every bird in the park.