**Porirua Harbour Trust - Education Coordinator**

**6 Month Report (April 2015)**

This report summarises the progress made since the start of the Trust’s education programme in November 2015. Outcomes are described for each of the key areas (based on the Education Coordinator’s job description), as well as goals for the next 8 months. A summary table showing the current involvement of schools is included at the end of the report. Photos and other evidence of student work will be available from June (Term 2).

**Schools**

* Promote the resource to teachers in all schools in the catchment
* Provide professional support for teachers (including introductory workshop); advice and support for experiential learning activities, including suggested field trips in the resource; advice and support for student action projects.

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| **Outcomes (Nov – April)** | **Goals and Plans (Terms 2 - 4)** |
| There are at least 21 schools in the catchment who are aware of the education resource and Living Waters documentaries. I have made contact with 18 of these schools, and most are actively using the resources as part of their learning programme, or planning to use them later this year (see school summary table for more details).  Most schools are still in the planning stages for their units, and I have been supporting them with this. Some schools have already completed field trips in Term 1, including those taking part in the Healthy Harbours Porirua programme.  I have edited and updated the education resource document, and printed hard copies for schools (although the resource is designed to be used digitally, each school will be given a hard copy for their reference).  A map of the catchment has also been produced, which can be used as a digital resource, as well as being displayed on classroom walls. | My aim is to meet up with teachers from the other 3 schools, as well as contacting 12 other target schools (see list at end of report) by the end of this school year. This would bring the total number of schools who are aware of the resource to at least 33 (there are 50 schools in the catchment).  All of the student action projects will be taking place from Term 2 onwards, and I will be working closely with at least 7 schools over Terms 2-4, to help support them with these. My goal is to ensure that all schools using the resource are at least attempting to complete student action projects. I will help connect the teachers with stakeholders and experts, so that the action projects are meaningful and relevant to the community.  I will deliver hard copies of the resource, DVDs (Living Waters and Samoan version) and catchment map to all of the current and target schools, and refer them to the PHT website for digital versions of these resources. I am also working on some evaluation tools (surveys etc) that could be used by teachers, to help measure any changes in their students’ understanding and/or interest of the issues facing the harbour and catchment. |

**Stakeholders and Experts**

* Promote the resource to partner organisations and stakeholders.
* Facilitate engagement with technical experts where applicable, such as scientists, council staff, and field trip providers; engage with key stakeholders such as

Ngati Toa Rangatira, GOPI, PICT, KPB; engage with Pataka Art and Museum on behalf of schools wishing to use art as part of the field trip experience.

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| **Outcomes (Nov – April)** | **Goals and Plans (Terms 2 – 4)** |
| I have been working closely with Keith from PCC, and the Biodiversity team from GWRC. We talk regularly to ensure that relevant project ideas and information are passed on to schools who are planning student action projects (for example, opportunities for students to take part in revegetation work at Bothamley Park). GWRC are putting together stream testing kits, which will be available for schools to loan from Term 2 (I will facilitate the loaning process for Porirua schools).  I also work closely with other educators in the catchment area. This includes Zoe (Healthy Harbours Porirua - funded by GWRC), Arihia (Porirua Enviroschools), and Amanda (Wellington Enviroschools). Zoe attended my teacher workshop in November, and as a result of this she signed up 4 new schools. Zoe and Arihia promote the resource to all of the schools they work with, and I provide additional support as needed.  I have met with the education team from Pataka, and they are very supportive of the Living Waters education resources. They will cater their learning sessions to connect the themes in the resource with their exhibitions (including a harbour focus for the Matariki sessions).  I have established a good relationship with Jane with Partners Porirua (an organisation that connects schools with local businesses/council to help support student projects). We will work closely in the areas where our job descriptions overlap, and share contacts and ideas for projects.  I have been working with Jacqui and Virginia from ESR to create more links between schools and scientists – including opportunities for students to visit the labs (for example, to test the quality of the water in their local stream). | My goal is to establish closer links with other key stakeholders, including Ngati Toa, GOPI, PICT, DOC, WCC, Forest and Bird, Wildlands.  I will be attending a Porirua Harbour Educators meeting (organised by GWRC) in late April, which will help reinforce the relationships I have already formed (and help streamline our work with schools).  I would like to work with Zoe, Arihia, Jane and other interested parties, to address the need for more adult volunteers to accompany school groups on their field trips. This has been identified as a major obstacle for some schools.  I will be compiling a list of local artists, writers, poets etc, who are willing to visit schools and discuss their links to the harbour (and help students create work that reflects the values and issues they have been learning about).  I also plan to make contact with more of the people who feature in the Living Waters documentaries, to find out if they are available as ‘experts’ for schools to contact. |

**Events**

* Provide professional support for teachers (including introductory workshop)
* Coordinate celebration events, publicity and partnerships e.g. potential for annual art exhibition promoting social and environmental values of the

harbour at Pataka.

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| **Outcomes (Nov – April)** | **Goals and Plans (Terms 2 – 4)** |
| The full-day teacher workshop in early November, 2014 was very successful. There were 17 teachers (from 13 schools), across a range of levels from lower primary through to senior secondary (Science and Social Science). Of these schools, at least 9 are using the resource this year, and I will be supporting the others to use it in the future.  Arihia (Enviroschools) and I held a teacher afternoon tea and professional development meeting in March (in the Pataka education space). Teachers from 6 schools attended this meeting (4 of these schools had not taken part in the Nov workshop), and there were many useful discussions about how teachers could use the harbour as a context for student action projects.  The education team at Pataka are very interested in the idea of having an exhibition of student work about the harbour and catchment. Initially they had thought this could occur during the ‘children’s exhibition’ slot in late 2015, but it may have to be moved to early next year, due to the availability of spaces and for planning purposes. We have discussed the collaboration between Nga Manu Reserve and Mahara Gallery, and they like the idea of producing some sort of publication to showcase the exhibition. | I will be sending out an electronic survey to all schools in the catchment, to find out what sort of professional support teachers would like this year. This will help inform the planning of further teacher workshops and meetings.  If there is enough interest, I would like to facilitate a half-day workshop for teachers in Term 2 or 3. I will include Arihia and the Pataka education team in this planning, as well as other invited experts.  I will be holding training sessions for teachers to learn how to use the stream testing kits (possibly as part of a larger workshop).  I plan to hold at least two more teacher meetings over the remainder of the year, to ensure teachers can collaborate and find out more about what other schools are doing, and the resources available.  I will be working with the team at Pataka, along with other interested parties (PCC, GWRC, Ngati Toa), to discuss plans for an exhibition of student work related to the harbour and catchment. I will be raising the idea of having a Porirua Harbour celebration event, which could include aspects of fundraising and community education about the harbour strategy plan. |

**Living Waters Schools 2015 – Summary of Involvement**

The schools included in these tables are all aware of the education resources and support offered by PHT. Some are actively using the resources this year, and most of the others are planning to use them in the next year.

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| **School** | **Location** | **Year Levels** | **Decile** | **Enviroschool** | **Healthy Harbours** | **PLD Day**  **Nov 2014** | **Meeting**  **March 2015** | **Field Trips** | **Action Projects** | **Other Details** |
| Russell School | P. East | 1-6 | 1 |  |  |  |  | Motukaraka Term 1 (PHT funding support) | Term 2 | Students studied estuaries Term 1.  Will provide support Term 2. |
| Hampton Hill School | Tawa | 1-6 | 6 |  | 2015 |  |  | Onehunga Bay (snorkel), Porirua Strm | Term 2 | Have provided planning support.  Plan to use across whole school. |
| St Francis Xavier | Tawa | 1-6 | 9 |  |  |  |  |  |  |  |
| Holy Family School | P. East | 1-6 | 1 |  | 2014 |  |  | Onehunga Bay (snorkel), Kenepuru Strm) | Term 2 (Planting in Bothamley Park – GW) | Will provide support for action projects. Took part in Stream Extreme |
| Glenview School | P. East | 1-6 | 1 |  |  |  |  |  |  | Using Living Waters resource, but no support from PHT yet |
| Natone Park School | P. East | 1-6 | 1 |  |  |  |  |  |  | Now have copies of resource, DVD. Will provide planning support later. |
| Cannons Creek School | P.East | 1-6 | 1 |  |  |  |  |  |  |  |
| Churton Park School | C. Park | 1-6 | 10 |  |  |  |  |  |  |  |
| Titahi Bay North | T. Bay | 1-8 | 3 |  | 2015 |  |  | Onepoto Strm/Harbour, Onehunga Bay (snorkel) | Term 2 (Onepoto Strm clean up/planting) | Will provide support for action projects. |
| Windley School | P. East | 1-8 | 1 |  | 2015 |  |  | Kenepuru Strm, Pauatahanui Wildlife Res. | Term 2 (Planting in Bothamley Park – GW) | Will provide support for action projects. Took part in Stream Extreme |
| St Brigid’s School | Jville | 1-8 | 9 |  |  |  |  |  | Term 2/3 | Senior school focus in Term 2 (local stream, harbour clean up) |
| Corinna School | P. East | 1-8 | 1 |  | 2014 |  |  | Bothamley Park  (Kenepuru Stream) |  |  |
| Plimmerton School |  | 1-8 | 10 | 1/2 | T2, 2015 |  |  | Battle Hill, Taupo Swamp/Stream | Term 2/3 | Whitebait Connection in Term 2 |
| Adventure School | Whitby | 1-8 | 10 |  |  |  |  |  |  |  |
| Pauatahanui School |  | 1-8 | 10 |  | 2014 |  |  | Pauatahanui Strm, Wildlife Reserve, Onehunga Bay |  | 2014: Took part in harbour clean up (organised by GOPI) |

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| **School** | **Location** | **Year Levels** | **Decile** | **Enviroschool** | **Healthy Harbours** | **PLD Day 11/14** | **Meeting**  **3/15** | **Field Trips** | **Action Projects** | **Other Details** |
| Titahi Bay Intermediate | T. Bay | 7-8 | 4 |  | 2015 |  |  | Hukatai Strm/Harbour,  Onehunga Bay (snorkel) |  | 2014: Planting at Te Onepoto Bay (GWRC)  2015: Investigating planting with GWRC at Bothamley OR Onepoto Stream |
| Mana College | Elsdon | 9-13 | 3 |  | 2014 |  |  | 2014: Mahinawa Strm/ Porirua Harbour  Titahi Bay (snorkel) | Mahinawa Strm restoration  (ongoing project) | Mahinawa restoration is multi-agency project (incl. Ngati Toa).  Geography (Yr 11) unit in T4, 2015 |
| Aotea College | Aotea | 9-13 | 5 | 1/2 | T2  2015 |  |  | Onepoto Stream |  | Yr 11 Biology class doing stream study (Whitebait Connection). |
| Tawa College | Tawa | 9-13 | 8 |  |  |  |  | Term 4 (Porirua Stream, harbour) | Term 4 | Planning session with teachers in  April (Sci and SS) |
| Samuel Marsden Coll. | Whitby | 7-13 | n/a |  | 2014 |  |  | Onehunga Bay (snorkel) | Restoration of Paremata train station area. | Sustainable Coastlines clean ups. Using resource with Yr 7/8s (Science) and  in PE classes |
| Te Kura Maori o Porirua | P.East | 1-13 | 3 |  | 2014  2015 |  |  | 2014: Pauatahanui Wildlife Reserve  2015: Kenepuru Strm |  | Need resources in Te Reo Maori |

**Other Target Schools:**

My aim is to get copies of the education resources to these schools this year, and let them know about the support available from the Trust. These schools have either shown some interest (but haven’t been able to attend events), or have been identified as low decile and lacking support.

Porirua College (Decile 1)

Maraeroa School (P. East, Decile 1)

Porirua East School (Decile 3)

St Pius X School (T Bay, Decile 4)

St Theresa’s (Plimmerton, Decile 10)

Rangikura School (Ascot Park, Decile 2)

Tairangi School (Waitangirua, Decile 1)

Ngati Toa School (T Bay, Decile 4)

Titahi Bay School (Decile 4)

Bishop Viard College (Decile 1)

Brandon Intermediate (P. East, Decile 1)

Postgate School (Whitby, Decile 3)