Mid-year report template for Community Projects and Internet Research - to be sent to gertrud@internetnz.net.nz on the date specified in your contract	
Grant reference number:	#CP170036
Name of recipient	*EOS Ecology* *Shelley McMurtrie*
Name of organisation *(if applicable)*	EOS Ecology
Title of project/research	STREAMED - A community-based online water clarity monitoring tool
Amount of funding received	$20,000 (InternetNZ Fund) $18,680 (in-kind support from EOS and KuWT)
Budget details	*List a breakdown of any expenditure to date and compare it with your expected expenditure* **NOTE: only those phases funded by InternetNZ are included here.** **Phase 1, Milestone 0:** initial programme development. $9,750 (100%) funded by EOS/KuWT. COMPLETED **Phase 1, Milestone 1:** website structure and populate key pages for Phase 1. $11,345 (100%) funded by InternetNZ Fund. • no progress on this Milestone as we have decided that we first need to complete Milestone 2 and at least partly complete Milestone 4 (graphing - not currently funded). **Phase 1, Milestone 2:** data analysis of community water clarity data to dtermine triggers, graphing and summary stats to present. $8,300 (100%) funded by InternetNZ Fund. • EOS: 65.2 hrs (159% of budgeted 41 hrs, which exceeds the amount covered by InternetNZ Fund). • KuWT: no expenditure as first need to have undertaken analysis inhouse and complete a portion of Milestone 4 (graphing – not currently funded). • Volunteers: 25 hrs to enter remaining hard copy data into the dataset prior to data checking and analysis. This was not accounted for in the original project budget. **Phase 1, Overall Management:** overall project management. $355 (3%) funded by InternetNZ Fund, $1,980 (18%) funded by EOS Ecology, $1,350 (12%) volunteer support. Reamaing $7,155 (66%) not yet funded. • EOS: 7.2 hrs (12% of budgeted hours, which exceeds the 3% covered by InternetNZ Fund).

	Have you achieved what you expected to achieve and with this spend? (If "No", please provide more details) We have spent additional time on trying to get the rest of the project funded but haven't had much success. We would now like to concentrate on seeking funding to complete Phase 1 of the programme as we feel that we would then be in a better position to get funding the the next phase. We would like to be more progressed but it took longer than expected to collate the existing data from the Cashmere Stream Care Group as covered in the first progress report. In addition, to complete Milestone 1 (website structure) we need to have at least part of Milestone 4 (graphing interface) funded, which we haven't yet been able to achieve. We have started to progress onto Milestone 4 without any current funding but do not want to progress much further until funding is found. *Please account for any areas of overspend or underspend.* We have spent more time than allocated on the data analysis portion of the programme, for the following reasons: The dataset was so large and a lot of it had not previously been entered, so we had to find someone to enter the data first. There was also a surprising number of data entry errors and disparities that we needed to clear up (from past data entry into Excel by the group and/or data entry by the group into the original hard copy forms). What it did do however, was to reconfirm the importance of the STREAMED programme, where the app and online forms will rid us of all the problems of data entry and hard copy data sheets.
Timeline update	*How far along your timeline are you? Are there any significant changes to your timeline?* We are not as far along as we would like as we have been spending more time trying to get funding for the rest of the STREAMED programme. In addition, as it took more time than expected to obtain the existing data records, collate them, check them for validity prior to analysis, then undertake the analysis, the work stream for the design of the website shifted and coincided with a busy time of year for the website designer. Consequently, there has not been time available for the designer to work on the website design component. In addition, we are still wanting to complete funding for Phase 1 which would allow us to achieve a significant milestone, and as such we haven't progressed as far as expected with the current goals. As such we would like to ask for an **extension for our deliverables under the InternetNZ Fund, through to end of June 2019.**
Achievements to date	*Please outline your positive outcomes*

	We have collated and started to analyse a dataset with over 4,000 entries – this is an astounding community monitoring dataset to have and will mean that the graphing and interpretation that we can develop from it will be well advanced.
	We have still had positive indications that we will receive some funding from Envrionment Canterbury but this is still being worked through. This will allow us to complete another milestone within Phase 1 of STREAMED.
	We have identified a fund that we will apply for to fund Milestone 4 (graphing interface). We will look to reduce the project management time or cover this ourselves in order to progress the project. That will just leave Milestone 5 (deliver product) which we will need to identify funding for, but this can come later and will not impact on delivery of Milestone 1–4.
Difficulties to date	*Please outline any difficulties you've had so far and how you're managing them* We have found it difficult to secure sufficient funding to complete the planned STREAMED programme (i.e., Phase 1 and 2). However, we are continuing to apply to funds. By having the programme broken into milestones we can apply to fund specific milestones within the wider programme, which makes it easier for funders with less finances – this is our current approach to funding (i.e., applying for funding of milestones rather than project phases). Due to unforseen issues with the data collation, the planned timeline for the programme was pushed out and consequently came into issues with staff availability (due to staff needing to work on prior job commitments at the later dates).
Findings/learnings to date	*What are you learning? What findings have you made so far?* We discovered a large number of errors and dispartiies in the existing community water quality dataset (i.e., the Cashmere Stream Care Group's data) that forms the existing dataset for the initial phases of STREAMED. We have resolved these issues during our 'data analysis' milestone (Phase 1, Milestone 2), but it has also helped to further cement the need for STREAMED – an online and portable app for the entry of water clarity monitoring data – as it will effectively resolve all these data entry and hand written data recording errors. It has also been useful for the community group to also see this as well, as they value even more the potential for the STREAMED app.
Do you anticipate their being anything media-worthy in your project/research*	*Any outstanding discoveries, good-news stories or unique work (in your opinion?) *Please note we may use this information in a media release.* Ideally to make the most of a media release we would like to have at least been able to complete Phase 1 of STREAMED, which requires securing additional funding. We currently have a short fall of $26,551.50. However, we are attempting to resolve this via funding applications for individual milestones.