

Ravensdown PGP Programme Quarterly Progress Report

Contract reporting period: July-September 2017

PSG Meeting Date: 10/11/17

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Summary of progress during this quarter

The first of the spring 2017 validation remote sensing surveys was completed during this quarter. The purpose of the validation surveys is to test the robustness of remote sensing soil fertility predictions against physical soil fertility tests. The programme also successfully completed the purchase and installation of a supplementary camera system. This system is complimentary to the existing hyperspectral camera within the programme and was purchased with the objective to achieve a more accurate description of the landscape which is expected to evolve the robustness of soil fertility predictions even further. The new camera system was successfully used for the first time during the spring 2017 validation remote sensing survey.

Work is progressing into automating the processing of remote sensing data, with a new approach being tried with early indications being positive and appears to offer considerable benefits in reducing the time taken to process survey data from days to hours. Comparative testing will be carried out in the coming months to verify this approach.

The programme's 2017/18 annual plan and budget was formally signed off by the programme's steering group.

Key highlights and achievements

- Completion of the first of the spring 2017 validation remote sensing surveys.
- Approval of 2017/18 annual plan and budget by the programme's steering group.

Upcoming

- Completion and evaluation of the spring 2017 remote sensing validation surveys.

Investment

<i>Investment period</i>	<i>Industry contribution</i>	<i>MPI contribution</i>	<i>Total investment</i>
<i>During this Quarter</i>	\$0.165m	\$0.165m	\$0.330m
<i>Programme To Date</i>	\$3.635m	\$3.635m	\$7.27m
