

## EXTERNALLY FUNDED PROJECTS: WATER

<b>Project Name</b>	Kai Water	<b>Date of Report</b>	2/03/21
<b>Current Phase</b>	Implementation	<b>Project Manager</b>	Curt Martin

<b>COMPONENT</b>	Schedule	Amber	Budget	Amber	Risks/Issues	Amber
<b>PREV. MONTH</b>	Schedule	Amber	Budget	Green	Risks/Issues	Amber

**Comment** (mandatory if status indicator red or amber)

Schedule is currently Amber due to missing the Summer planting season for Sites 1 & 2, there has also been a delay in completing construction at Site 2 and delays in reaching agreement on the contract with Northland Inc for site management & maintenance.

Budget is currently Amber due to the cost of the site management agreement being more than the funding allocated in the project budget for this component.

Risk/ Issues is currently amber due to the open risk surrounding establishing a suitable management agreement with Northland Inc.

OVERALL BUDGET (\$)	CURRENT FY BUDGET (\$)	SPEND TO DATE (\$)	BUDGET SPENT TO DATE (%)
740,000	489,964	340,043	46%
PROJECT FUNDING ALLOCATIONS			
Infrastructure Reference Group (IRG)			\$0
Provincial Growth Fund (PGF)			\$740,000
Kaipara District Council			\$0
Other (e.g. Waka Kotahi)			\$0
PROJECT BUDGET BY PHASE			
INVESTIGATION (\$)	DESIGN (\$)	CONSTRUCTION (\$)	
40,000	Included in Construction costs	\$700,000	
COMMENT			
'Construction' cost includes on-going management & operation of the demonstration sites & associated cropping			

## PROJECT BACKGROUND

In April 2020, Council secured funding of \$740,000 from MBIE, enabling the establishment of two practical working examples of irrigating high value horticultural crops in the Kaipara. These demonstration sites are intended to be used to inform landowners and external investors about high value land and water use and the application of innovative technologies. Access to practical working examples, expert advice and local knowledge will provide decision support and confidence in transforming land usage towards horticulture in the Kaipara.

### **Demonstration Site 1**

Is located on Te Roroa land at Maunganui Bluff and will include an inground irrigation and fertigation system that covers approximately 2 hectares. It will demonstrate precise water and nutrient delivery on a range of vegetable crops that can be programmed and delivered remotely via a web application in combination with on-site management.

### **Demonstration Site 2**

Is located in Te Kopuru and includes a 242-metre span centre pivot irrigator that will irrigate approximately 10 hectares. This equipment includes remote control and the ability to deliver water and nutrients in different measures to cater specifically to different crop types.

## UPDATE FROM PREVIOUS MONTH – LAST MONTH'S ACTIVITIES

- On-going dialogue with Northland Inc. regarding the scope of the site management & maintenance contract balanced against the available budget

### **Site 1**

- Site 1 construction works completed
- Initial planting of crops postponed to Spring (September/October) 2021

### **Site 2**

- Site 2 construction works commenced.
- Initial planting of crops postponed to Spring (September/October) 2021

## ACTIVITIES GOING FORWARD – THIS MONTH'S ACTIVITIES

- Contract between KDC & Northland Inc. for site management and maintenance finalised, or alternative solution identified
- 'Lessons learnt to date' session diarised

### **Site 1**

- No further works planned until initial planting of crops in September/October 2021

### **Site 2**

- Site 2 construction works completed
- Centre pivot irrigator commissioned

**COMMUNITY ENGAGEMENT / MEDIA ACTIVITY PLANNED – NEXT TWO MONTHS**

- Opening event for both sites to be arranged once sites have been planted

**DECISION PAPERS SUBMITTED: PENDING DECISION**

- None

PROJECT MILESTONES	STATUS (R, A G)	BASELINE (PLANNED) COMPLETION DATE)	EXPECTED COMPLETION DATE	COMMENTS (MANDATORY IF STATUS INDICATOR RED OR AMBER)
Contract executed	Complete	Complete	Complete	
<b>Site 1</b> Award physical works contracts	Complete	Complete	Complete	
<b>Site 2</b> Award physical works irrigation equipment contract	Complete	Complete	Complete	
<b>Site 2</b> Award physical works civil contract	Complete	Complete	Complete	
<b>Site 1</b> Construction commencement	Complete	Complete	Complete	
<b>Site 2</b> Construction commencement	Complete	Complete	Complete	
<b>Site 1</b> Construction complete	Complete	Complete	Complete	
<b>Site 2</b> Construction complete	Amber	Jan 2021	March 2021	Site 2 construction works now underway
<b>Site 1</b> Opening Event	Amber	Feb 2021	Oct 2021	Delayed due to initial planting of crops being postponed to Spring (September/October) 2021
<b>Site 2</b> Opening Event	Amber	Feb 2021	Oct 2021	Delayed due to initial planting of crops being postponed to Spring (September/October) 2021

OPEN PROJECT RISKS	PREV MONTH (R,A,G)	STATUS (R,A,G)	OWNER	COMMENTS
<b><u>Site 2</u></b> There is a risk of insufficient water in the creek to supply water for irrigation, resource consent restricts water take when the creek is < 19 L/sec.	New Risk	Amber	Curt Martin	This risk will be mitigated when the Te Tai Tokerau Water Trust constructs its proposed reservoir upstream of the creek supplying the site. Postponement of 1 <sup>st</sup> planting season to Spring 2021 also further mitigates this risk.
<b><u>Sites 1 &amp; 2</u></b> There is a risk of missing the late Summer planting season	Amber	Closed	Curt Martin	Confirmed summer planting season window now closed. Initial planting now to occur Spring (September/October) 2021. Risk closed
<b><u>Site 1 &amp; 2</u></b> There is a risk a suitable management agreement cannot be reached between the project and Northland Inc. within the project budget limitations	New Risk	Amber	Curt Martin	The project team will work with Northland Inc. to understand what is feasible within the available budget and should a solution not be identified; the project will look to find an alternative.

OPEN PROJECT ISSUES	PREV MONTH (R,A,G)	STATUS (R,A,G)	OWNER	COMMENTS
<b><u>Sites 1 &amp; 2</u></b> Availability of local seed drill equipment for larger seeds	Amber	Closed	Curt Martin	Postponement of 1 <sup>st</sup> planting season to Spring 2021 closes this issue.