

Kopeopeo Canal Remediation Project

Project Steering Group Meeting

15 May 2019

Meeting agenda topics

1. Welcome and apologies
2. Approval of minutes from previous meeting
3. Project update
4. Report from & to MfE (PMP addendum & change request)
5. Risk register
6. Verbal updates
7. Kopeopeo Extension West (PMP update & change request)
8. General business and date of next meeting



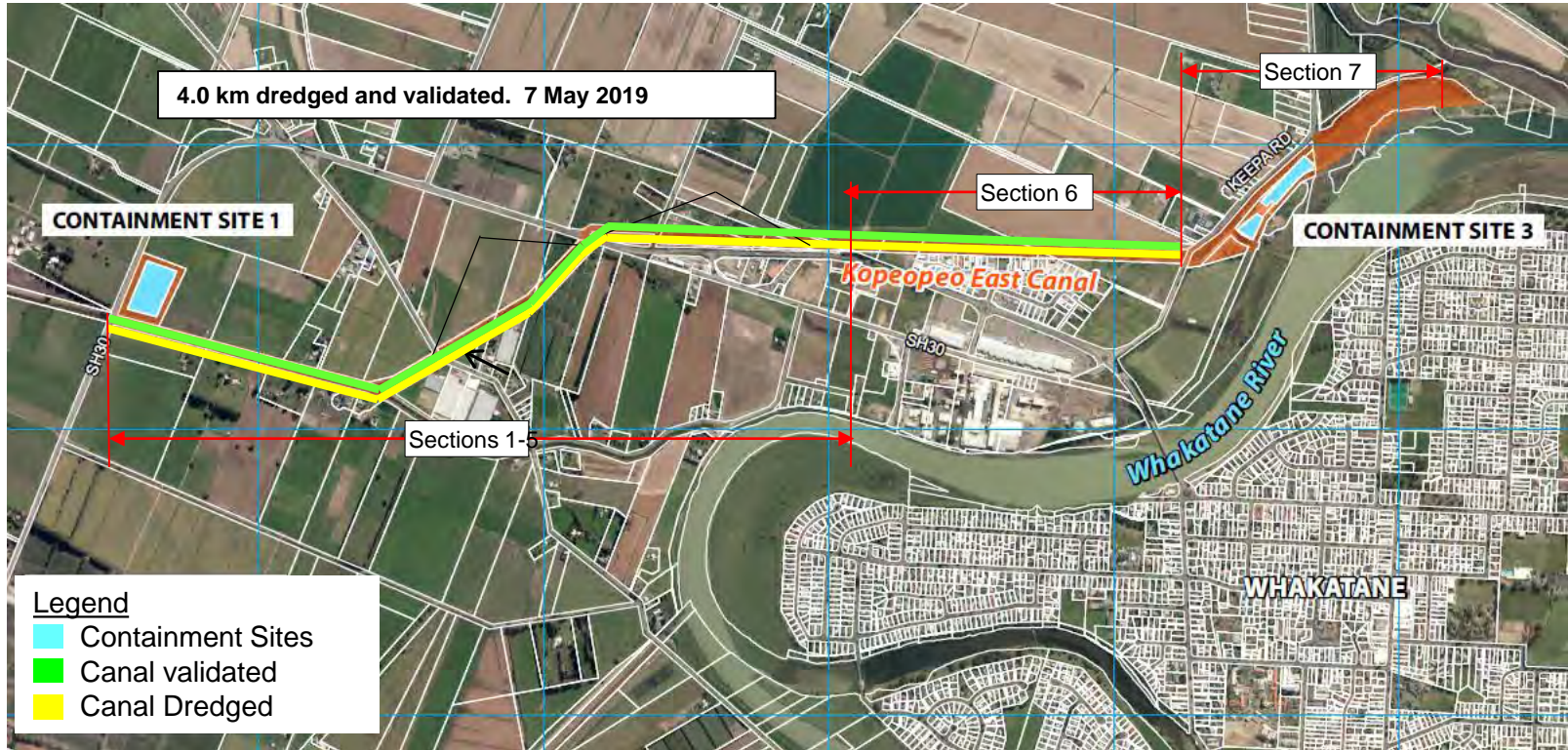
3. Project update

Key Progress (26 February to 7 May)

- ✓ Dredging of Section 6 completed up to Keepa Road (Approx. 4km to date or 80% of canal length)
- ✓ One area near the former mill outfall required additional dredging to remove all contaminated sediment
- ✓ Validation sampling completed except for re-dredged area
- ✓ Dredge lifted over Keepa Road bridge - 6 May
- ✓ Noise monitoring and acoustic panel placement
- ✓ CS1 closure planning progressing



Dredging progress



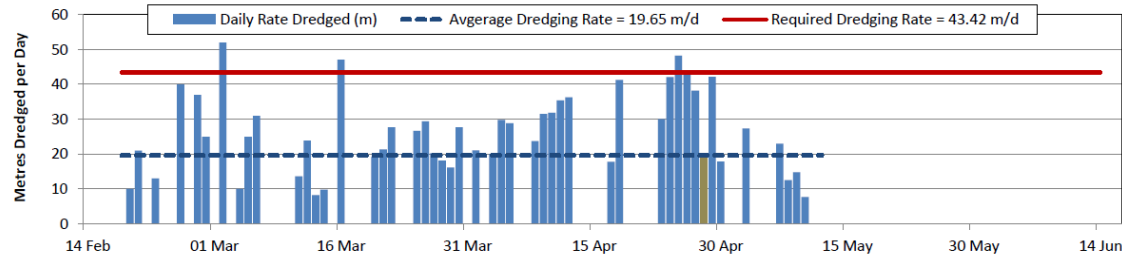
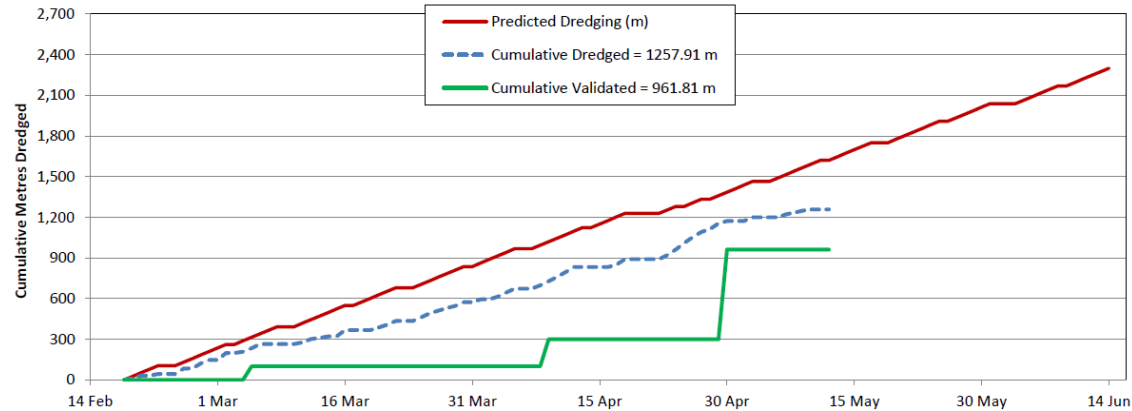
Dredging tracking

Koapepe Canal Remediation Project

Dredge Rate Predictor - Since Re-Set

Target Completion Date: 16 June 2019 to Dredge Remaining 2300m

To week ending:	Dredged to Date (m)	1257.91	As at end of:	Last Week	This week	Change
Sunday, 12 May 2019	Remaining to Dredge (m)	1042.09	Average Dredging Rate (m/d)	20.69	19.65	Worse
			Required Dredging Rate (m/d)	36.67	43.42	Worse

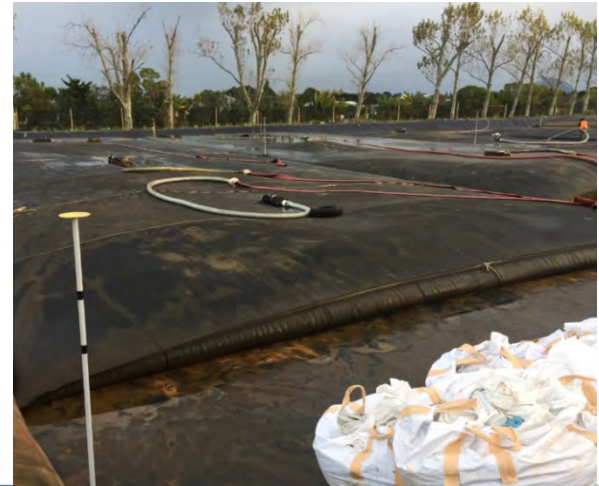


Weekly Dredging

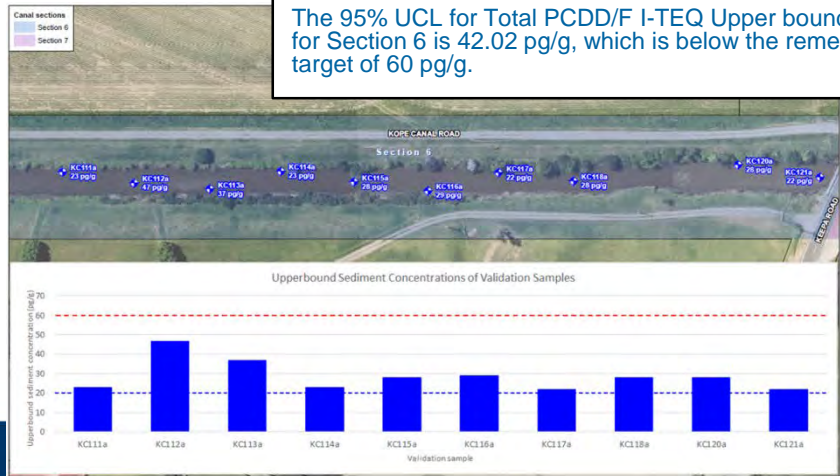
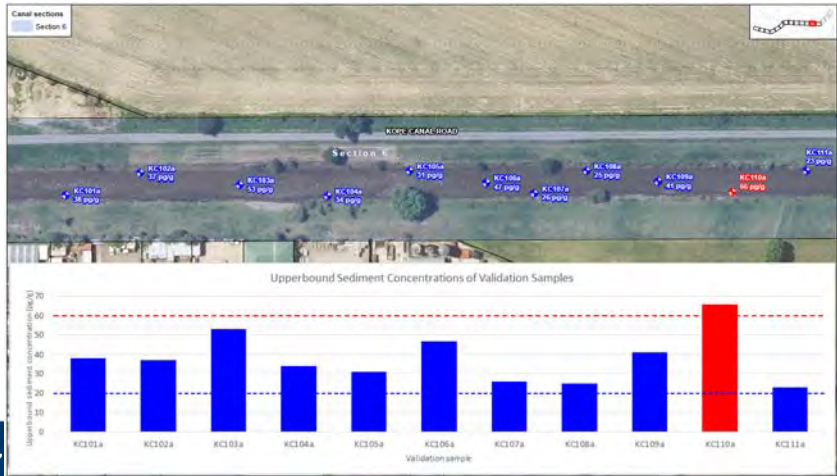
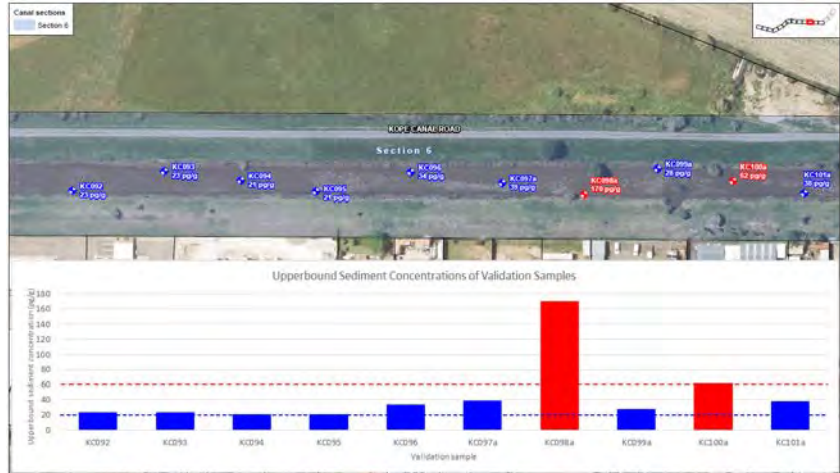
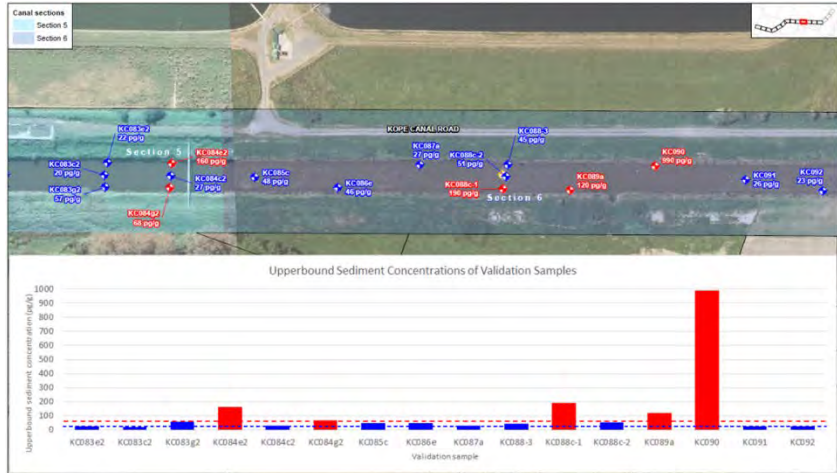
Week ending	24/2	03/3	10/3	17/3	24/3	31/3	07/4	14/4	21/4	28/4	05/5	12/5
m/Week	44	154	66	103	68.2	138	99.8	159	59.1	221.8	87.3	57.9
Cumulative m	44	198	264	367	435	573	673	832	891	1113	1200	1258
Avg. rate m/d	11.0	25.7	13.2	17.1	13.6	23.0	20.0	26.5	14.8	36.97	17.5	9.65

CS3 geobags

- Tracking geobag filling closely to assess CS3 storage capacity risk
- 5 geobags filled to 90%
- 4 geobags to 35%
- Approximately 380LM of geobags full
- Double stacking preferred option if needed
- Geotube bag settlement monitored for possible double stacking



Validation – Section 6



The 95% UCL for Total PCDD/F I-TEQ Upper bound results for Section 6 is 42.02 pg/g, which is below the remedial target of 60 pg/g.

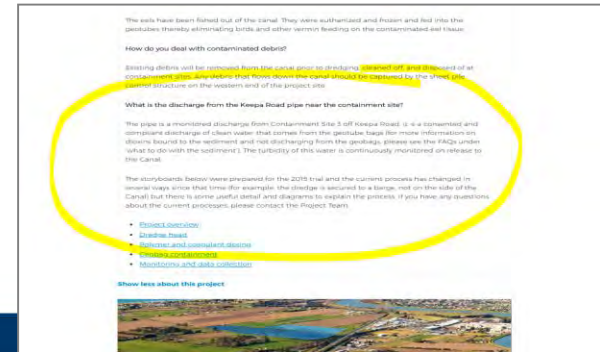
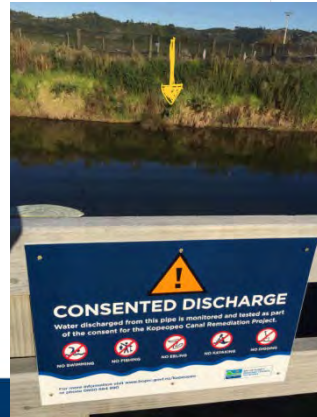
Health & Safety

- No safety incidents over period
- Contractor staff rotation to facilitate longer work hours if needed
- Safe well executed barge lift over Keepa Rd Bridge



Compliance & Communication

- Continue to comply with all Consent conditions
- Communications
 - Website www.boprc.govt.nz/koapeo
 - Regular email updates
 - CLG 14/05/19
 - April Newsletter
 - Media release – barge lift
 - Signage



Activities planned

- Continue dredging in Section 7
- Complete design surface for Section 7 (600m done so far)
- Noise monitoring at CS3 and S7
- Prepare CS1 closure plan



4. Report from MfE

Verbal update from MfE

- Funding award
- March funding application to CSRF (revision)
- Other



Report to MfE

Overall Status

- Progress on dredging and relocation as reported above in project report

Financial Status

- Improved following award of additional funds from MfE (September 2018 application)

Risks and issues being actively managed

- Refer to risk register and next slide



Financials

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Project expenditure through 30 April 2019

Kopeopeo Canal Remediation Project	Total Cost	Spent to Date	Remaining Funds
Project Cost Estimate at Beginning of Works	15,451,000	14,437,450	1,013,550
Additional Funding Granted 16 April 2019*	2,069,764	2,069,764	0
Additional funding to request (Revised March 2019 Application**)	3,778,093	2,651,510	1,126,583
TOTAL	21,298,857	19,158,724	2,140,133

* Note – Revised Funding Deed yet to be signed

** Funding not yet granted



KCRP – PMP Addendum 4 (8 May 2019)

Key Changes

- Milestone values adjusted to reflect April 2019 award of funding
 - Milestones 4.4b, 4.7b, 4.9b (\$2,069,764 with MfE contribution \$1,034,882)
- Milestone values adjusted to reflect revised March 2019 application
 - Milestones 4.9c, 4.12, 4.13, 4.14 (\$3,778,093 with requested MfE contribution of \$1,889,046)
 - Includes requested funding for Contract Reset
- Milestone dates adjusted to match Contract Reset
- High Level schedule adjusted to match Contract Reset
 - Dredging completion (June 2019)
 - Project closure reporting (August 2019)
 - Capping of containment sites (not in PMP or deed – Dec 2019)



Change Request 11

- Funding granted to the KCRP (16 April 2019), based on the September 2018 Application, fell short of funds requested due to applications to the CSRF being oversubscribed.
- This change request is made for approval to submit a modified March 2019 Deed Variation request to MfE for 50% of the full forecast variation of \$5.85M.
- i.e. The March 2019 application to be modified to apply for \$1.89M.

Forecast Variation to funding	Additional Funding Required	MfE Portion 50%
Portion of September 2018 request granted	\$2.07M	\$1.03M
Additional funding still required	\$3.78M	\$1.90M
Total additional funding	\$5.85M	\$2.93M

PSG Support submission of Change Request 11 to PAG for approval?



5. Risk Register

- Storage Capacity at CS3 (hence tracking & monitoring)
- Funding if CS3 storage becomes an issue
- Keepa Rd bank stability and WDC assets
- Fill material CS1 capping – humped bags
- Flood risks through winter

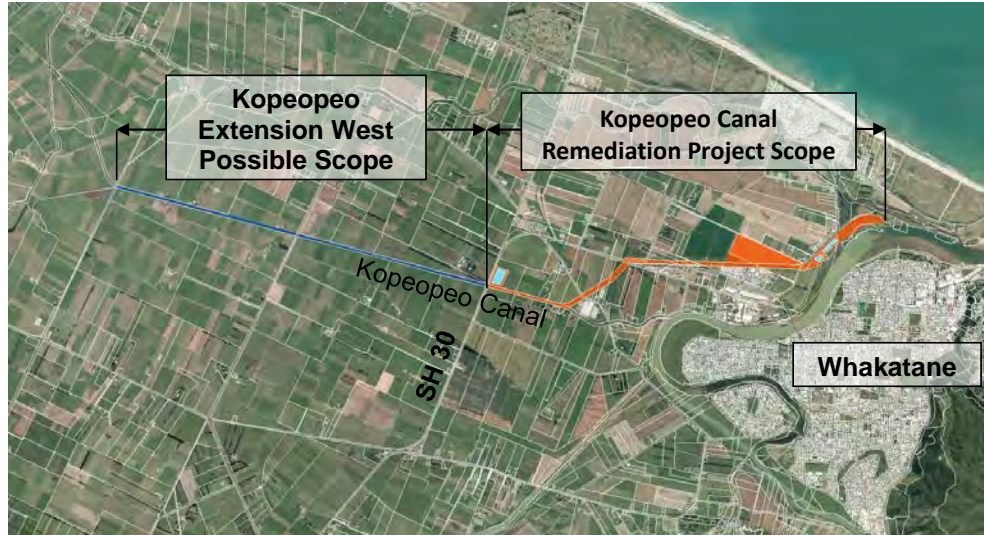


6. Verbal updates

- MfE
- Universities and Bioremediation
- CLG feedback
- Ngāti Awa/Cultural Monitor
- Engineer to Contract



7. Kopeopeo Extension West



- Change Request #1
- Revised PMP v2.1



KEW Change Request #1

Seeks approval to:

- Defer investigation phase by 2 years due to KCRP delays and use of same resources
- Update PMP (V2.1) to reflect deferment and changes to milestone dates
 - Comments on PMP welcome
- Remove some roles not relevant to investigative phase of project including:
 - Community Liaison Group
 - Independent Monitor
 - Cultural Monitor
 - Contractor

PSG Support submission of Change Request #1 to PAG for approval?



7. Other business

- Next meeting: Mid August – Date TBC

