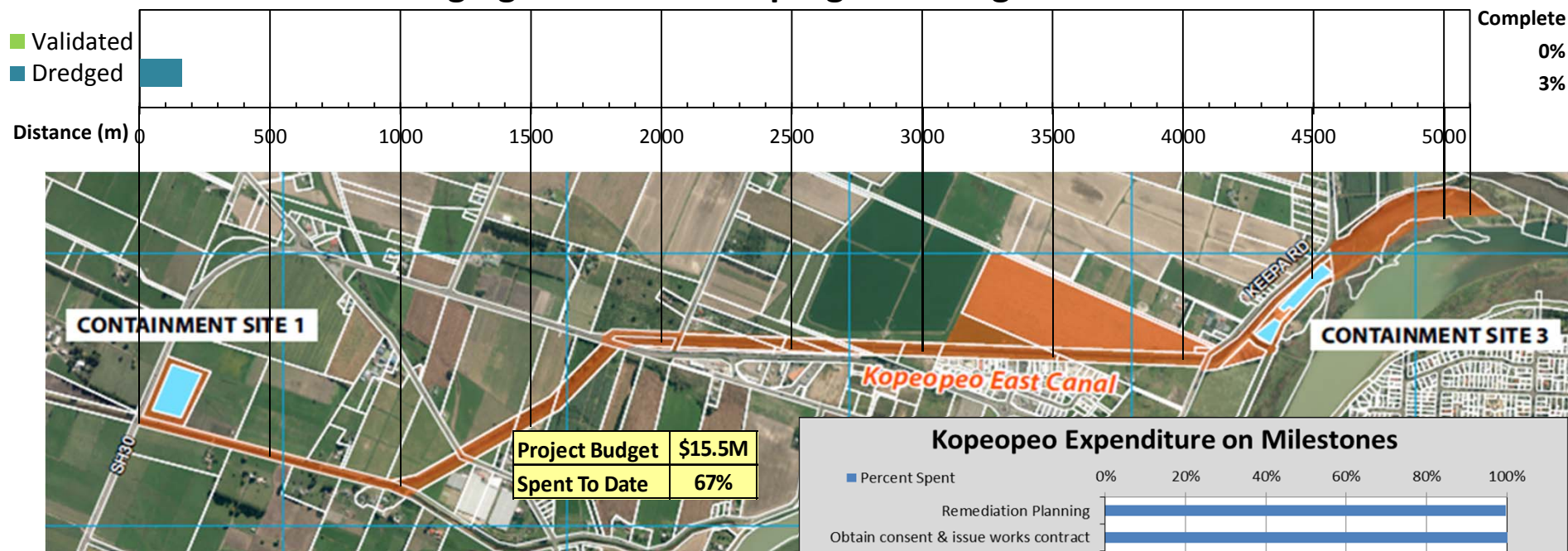


Dredging and validation progress along canal

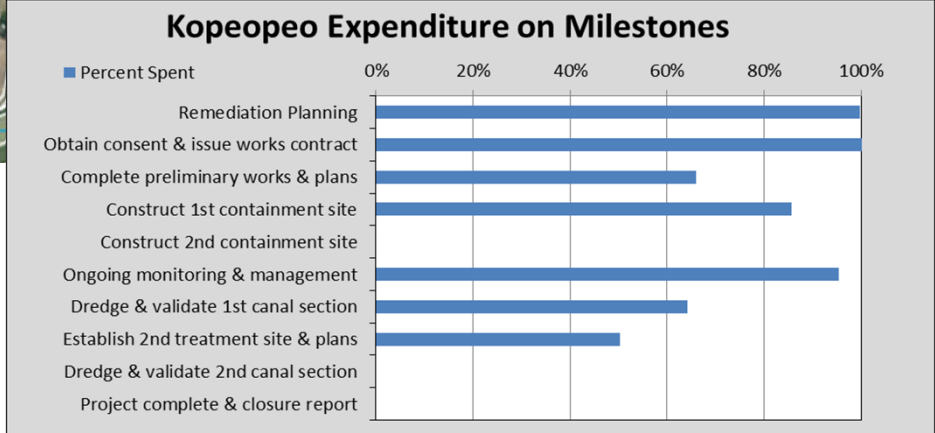


KEY PROGRESS (past period)

- Works resumed on 8 January after end of year shutdown.
- Flood management controls (West and East Flood Control Structures) completed and telemetered monitoring in place.
- Dredging started on 22 January.

ISSUES ARISING & BEING ADDRESSED

- Issues with dust monitoring exceedances resolved by setting warning trigger points and undertaking early mitigation.
- Turbidity monitoring start-up and calibration issues resolved.
- Piping encountered when installing earthen bunds led to modifying design to include sheetpile in Flood Control Structures (FCS).



PLANNED (upcoming period)

- Complete CS3 detailed design.
- Continue dredging with two lifts before Paroa Rd bridge.
- CS3 site establishment underway.

HEALTH & SAFETY

Injury, Near Hits, Lost Time (any comment)	Inductions
0 to date.	178

PROGRESS MEASURES

Canal Dredged (m)	Canal Validated (m)	Volume Dredged (million litres)	Mass in Geobags (tonne)
160	0	12.9	682

PROJECT REPORTS

COMMUNITY LIAISON GROUP

- CLG meeting held in late January.
- CLG members to visit CS1 site in March.
- Planning underway for community open day.

ENGINEER TO CONTRACT

- Chaired a total of 13 site meetings to date.
- Received a total of 13 progress claims and issued 13 Payment Schedules to date.
- Received a total of 55 Notices to Engineer to date.
- Issued a total of 41 Notices to Contractor to date.
- Issued a total of 37 Variation Orders to date.
- Provided technical advice to the Principal on a number of matters.

PRINCIPAL WORKS CONTRACTOR

- Completed construction of CS1
- Carried out dredging tests before commissioning.
- Procured equipment for injection of wood pellet sludge into the geobags with dredged sediments (for bioremediation).
- Planning preliminary site establishment works at CS3.
- Coordinated Traffic Management Plan for CS3 to allow heavy truck movements.

PROJECT MANAGER

- Completed all required flood protection peripheral works.
- Coordinated Flood Control Structures re-design and installation at each end of project site.
- Working through issues with dust and turbidity monitoring.

ENVIRONMENTAL MONITORING

Indicator	Comment
Air Quality	Dust monitoring ongoing - 2 monitors
Groundwater	Background monitoring underway
Water Quality & Turbidity	Samples taken/analysed during FCS dredging Turbidity monitored live at 10 locations
Water level	Water level monitors operating at 4 locations

COMPLIANCE MONITORING

Consent Compliance	Complying
Trigger level deviations	None
Water Abstraction	12.9 million litres
Complaint received	KCRP 004 Relating to dust caused by vehicles on Kope Canal Rd., found not to be caused by project activities. Ongoing active dust management.

MONITORING REPORTS

COMPLIANCE OFFICER

- Met with Consent Holder on several occasions to provide advice on interpretation of various consent conditions including on control structure installation and design, location of turbidity monitors and weed removal.
- Received login access for live dust, turbidity and water level monitoring.
- Compliance Audit last completed 12/12/2017.

INDEPENDENT MONITOR

- Daily site inspections carried out since works resumed.
- Issued monthly report to CLG in January for month of December.
- Observed activation of discovery protocol when animal bones were discovered during dredging operations.
- Acknowledged that dust exceedances registered on 12 January were not project-related and that Kope Drain Rd. was being adequately watered down to prevent nuisance dust.

CULTURAL MONITOR

- Monitoring dredged material on shakers from control room and liaising with site manager to advise if dredging needs to be suspended in the event of a koiwi or taonga discovery.
- Coordinated additional support staff to assist in monitoring of dredging operations.