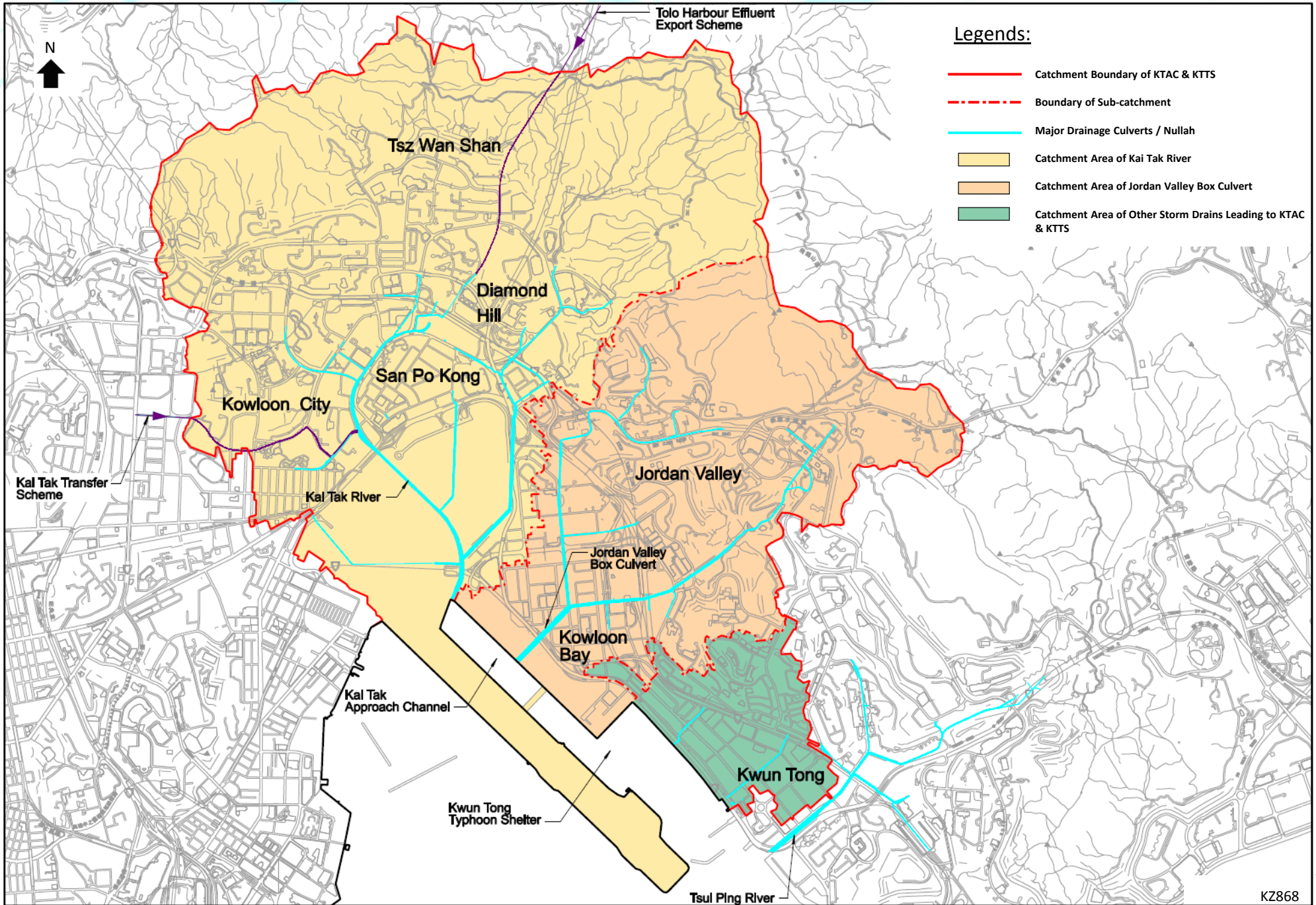


Kai Tak Approach Channel and Kwun Tong Typhoon Shelter Improvement Works (Phase 2)



Interception and Pumping Scheme

Catchment Area of KTAC and KTTS



Improvement of Water Quality and Odour Problem at KTAC/KTTS

Mitigation Measures recommended under 2009 approved KTD EIA (Based on assessment of 2005 - 07 field data):

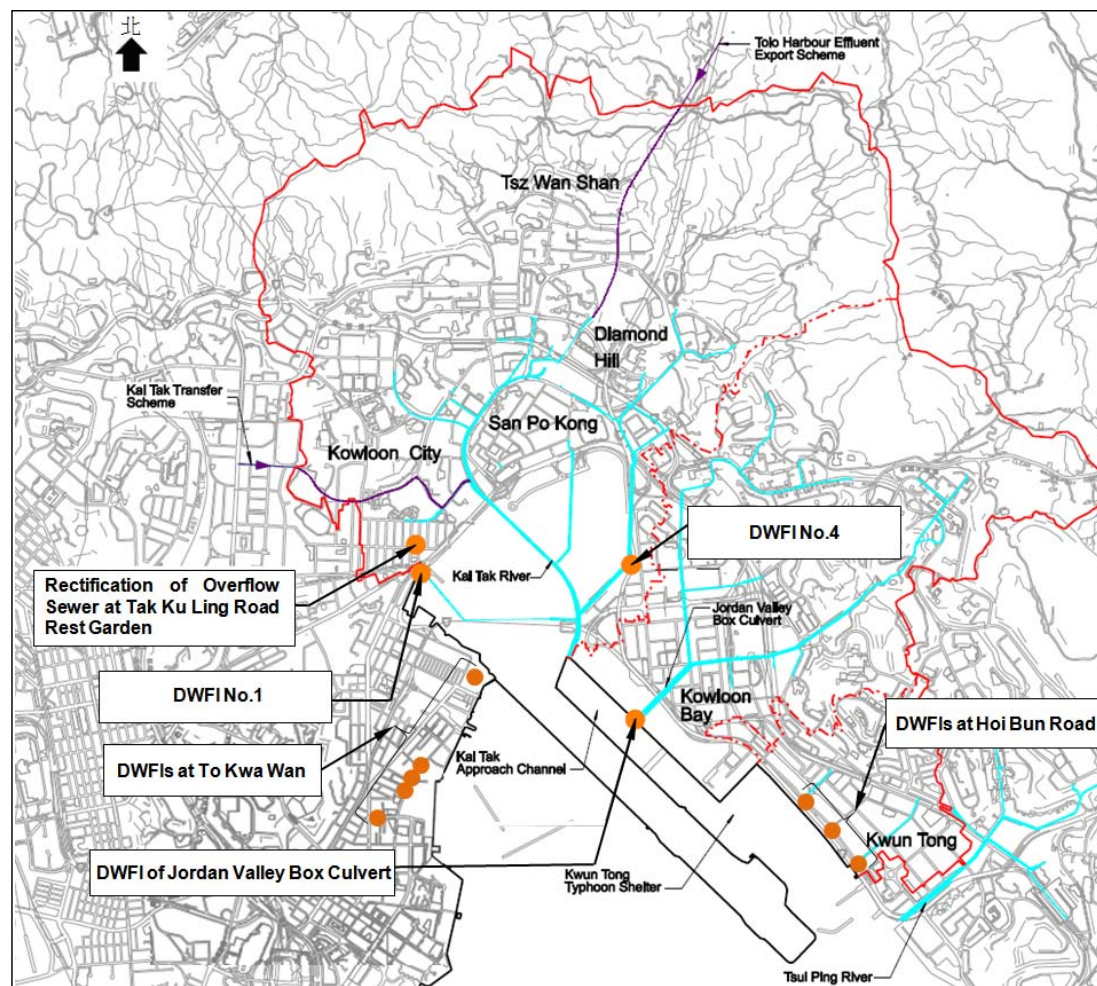
- 1) Rectification of expedient connections and interception of polluted discharges
- 2) Dredging / bio-remediation treatment of sediments
(Phase 1 Improvement Works)
- 3) 600m Opening at ex-runway
(Phase 2 Improvement Works)



Improvement of Water Quality and Odour Problem at KTAC/KTTS

Mitigation Measures recommended under 2009 approved KTD EIA (Based on assessment of 2005 - 07 field data):

- 1) Rectification of expedient connections and interception of polluted discharges (Substantially completed by 2013)



● Location of Improvement Works



Improvement of Water Quality and Odour Problem at KTAC/KTTS

Mitigation Measures recommended under 2009 approved KTD EIA (Based on assessment of 2005 - 07 field data):

- 1) Rectification of expedient connections and interception of polluted discharges (Substantially completed by 2013)
- 2) Dredging / bio-remediation treatment of sediments (Phase 1 Improvement Works) (Substantially completed by July 2014)



Improvement of Water Quality and Odour Problem at KTAC/KTTS

Mitigation Measures recommended under 2009 approved KTD EIA (Based on assessment of 2005 - 07 field data):

- 1) Rectification of expedient connections and interception of polluted discharges (Substantially completed by 2013)
- 2) Dredging / bio-remediation treatment of sediments (Phase 1 Improvement Works) (Substantially completed by July 2014)



Water Quality

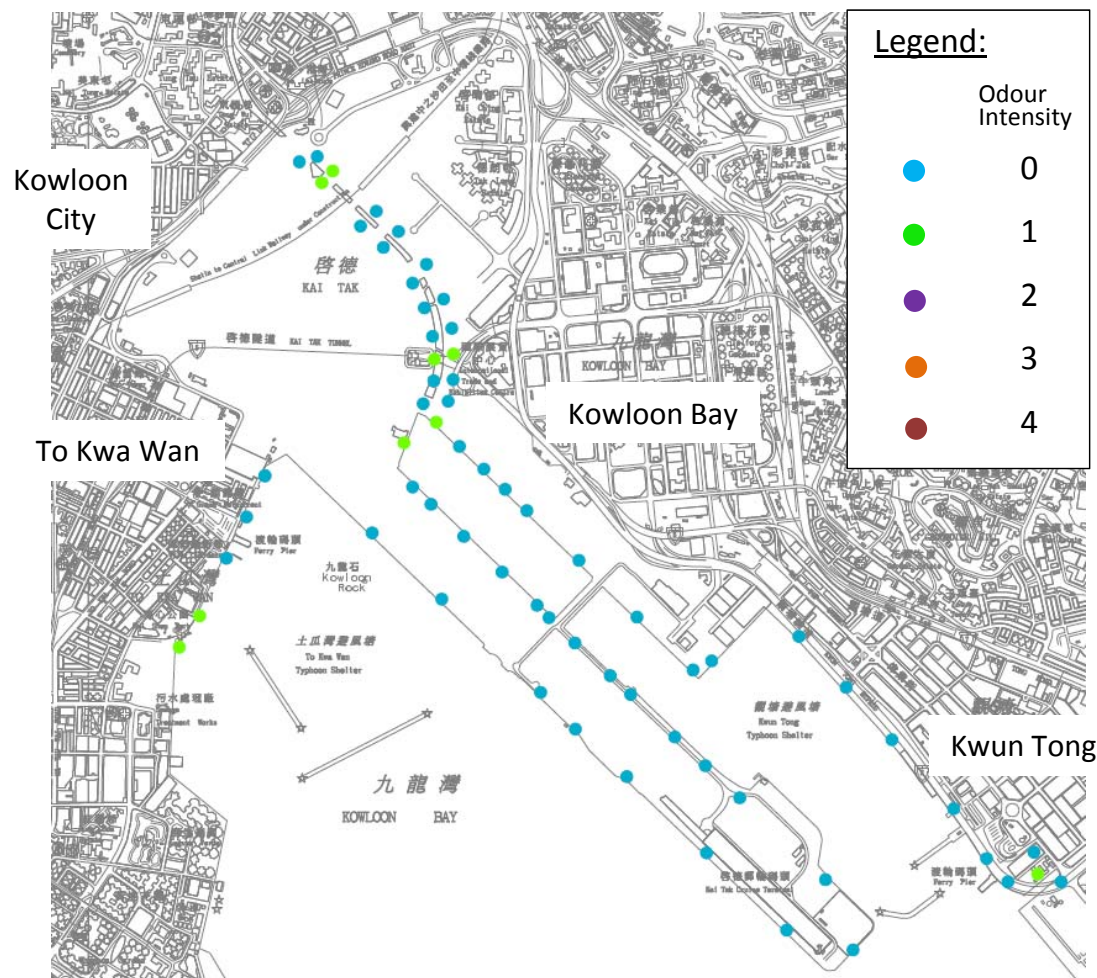
Parameter	Year	KTAC		KTTS
		AC1	AC2	KT1
Average DO (mg/l)	2012	1.6	3.7	4.7
	2013	2.7	4.5	5.7
	2014	3.8	4.7	5.4



Improvement of Water Quality and Odour Problem at KTAC/KTTS

Mitigation Measures recommended under 2009 approved KTD EIA (Based on assessment of 2005 - 07 field data):

- 1) Rectification of expedient connections and interception of polluted discharges (Substantially completed by 2013)
- 2) Dredging / bio-remediation treatment of sediments (Phase 1 Improvement Works) (Substantially completed by July 2014)



Results of Odour Patrols in 2014

Definition of Odour Intensity

- 0– Not detected. No odour perceived or an odour so weak that it cannot be easily characterized or described;
- 1– Slight identifiable odour, and slight chance to have odour nuisance;
- 2– Moderate identifiable odour, and moderate chance to have odour nuisance;
- 3– Strong identifiable odour, likely to have odour nuisance;
- 4– Extreme severe odour, and unacceptable odour level.



Improvement of Water Quality and Odour Problem at KTAC/KTTS

Mitigation Measures recommended under 2009 approved KTD EIA (Based on assessment of 2005 - 07 field data):

- 1) Rectification of expedient connections and interception of polluted discharges
(Substantially completed by 2013)
- 2) Dredging / bio-remediation treatment of sediments (Phase 1 Improvement Works)
(Substantially completed by July 2014)



Parameter	Year	KTAC		KTTS
		AC1	AC2	KT1
Bottom DO (90%ile)(mg/l)	2014	0.6	0.7	2.0

Requirement under KTD EIA for odour mitigation:
Bottom DO (90%ile) \geq 2mg/l



Improvement of Water Quality and Odour Problem at KTAC/KTTS

Mitigation Measures recommended under 2009 approved KTD EIA (Based on assessment of 2005 - 07 field data):

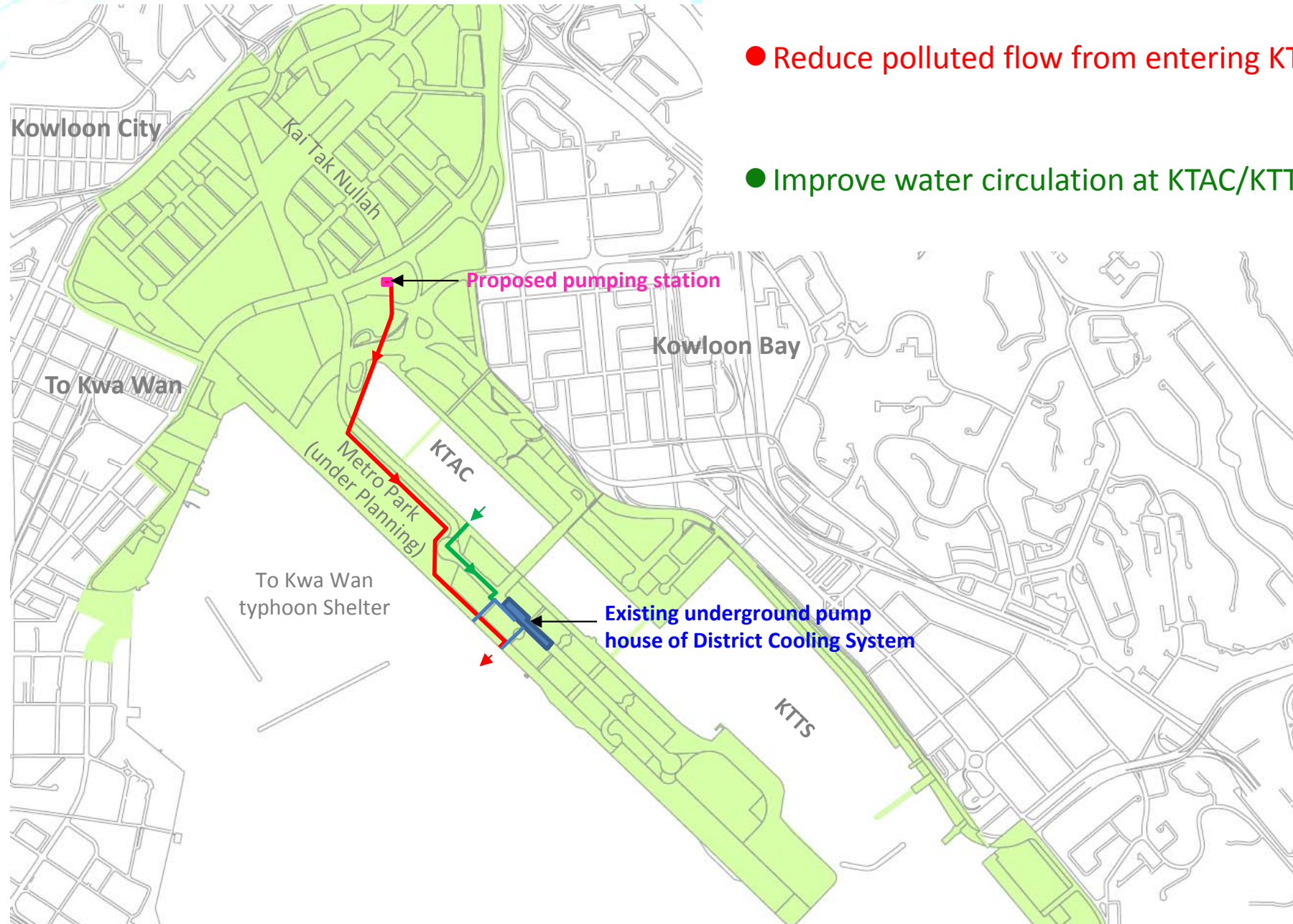
- 1) Rectification of expedient connections and interception of polluted discharges (Substantially completed by 2013)
- 2) Dredging / bio-remediation treatment of sediments (Phase 1 Improvement Works) (Substantially completed by July 2014)
- 3) 600m Opening at ex-runway (Phase 2 Improvement Works)

Comprehensive review conducted since mid 2014

- Reduce polluted flow from entering KTAC/KTTS
- Improve water circulation at KTAC/KTTS



Proposed Interception and Pumping Scheme



● Reduce polluted flow from entering KTAC/KTTS

● Improve water circulation at KTAC/KTTS



Tentative Programme

Task	Date (Tentative)
Public consultation	Q3 2015
Scheme gazette under Foreshore and Sea-bed (Reclamation) Ordinance	Q4 2015
Funding application to Legislative Council	Mid 2016
Construction (subject to availability of fund)	Early 2017 – 2020



Thank You