

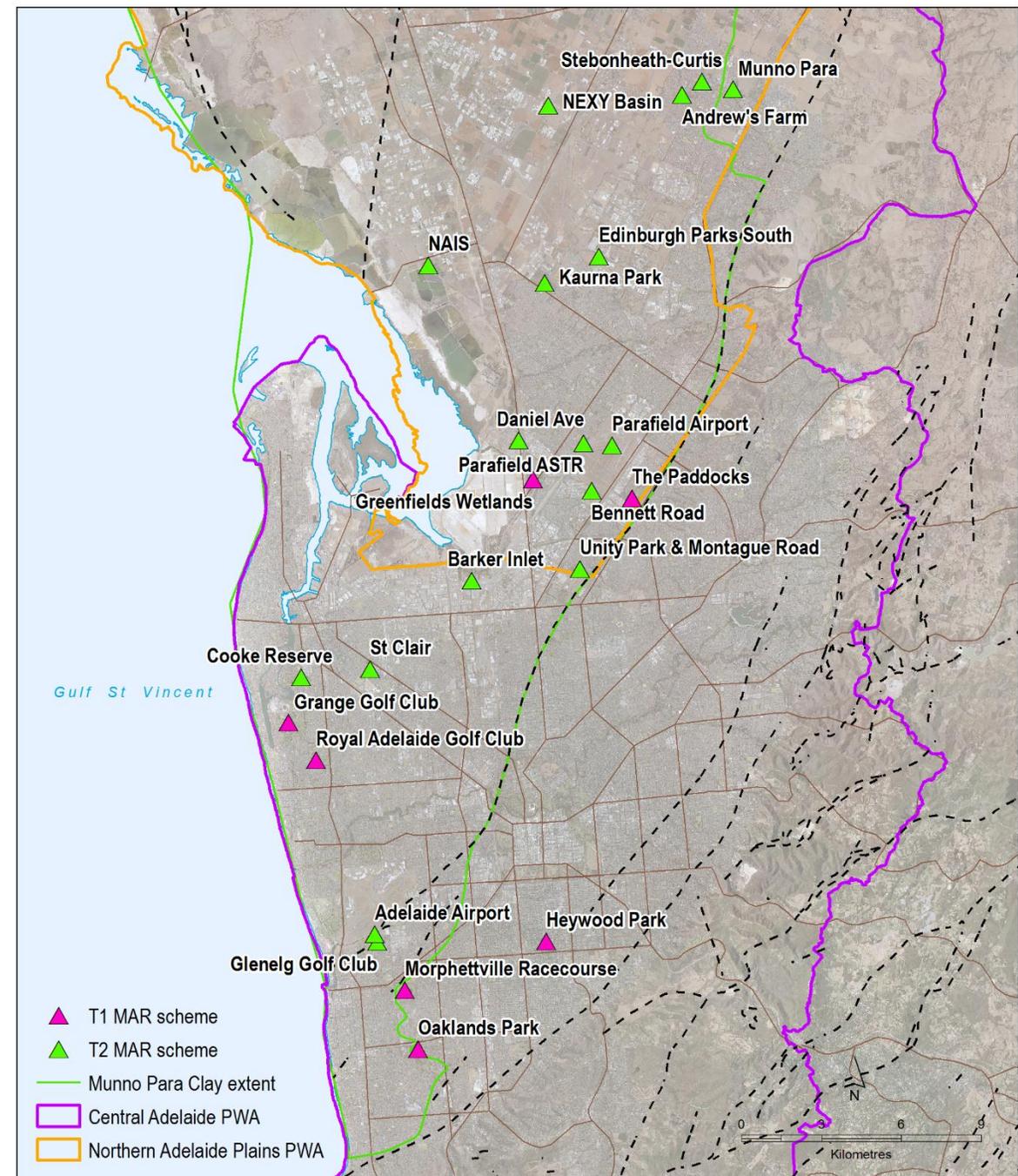
# The cumulative impacts of MAR in the Adelaide metropolitan area



Government of South Australia  
Department for Environment  
and Water

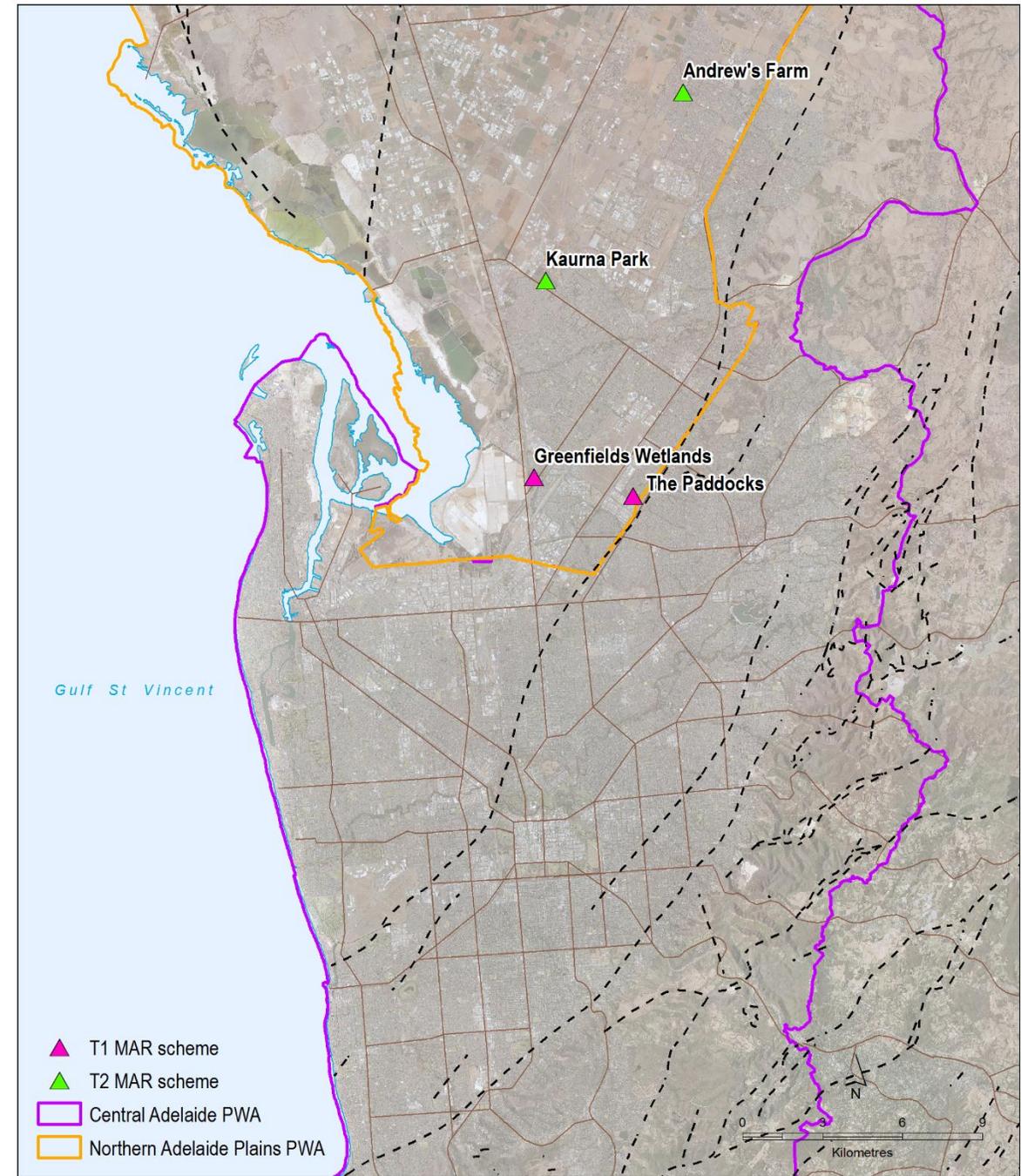
# Tertiary aquifer MAR schemes in metro Adelaide

- 24 operational schemes
- 17 in the T2 aquifer
- 8 in the T1 aquifer
- (Glenelg Golf Club uses both)



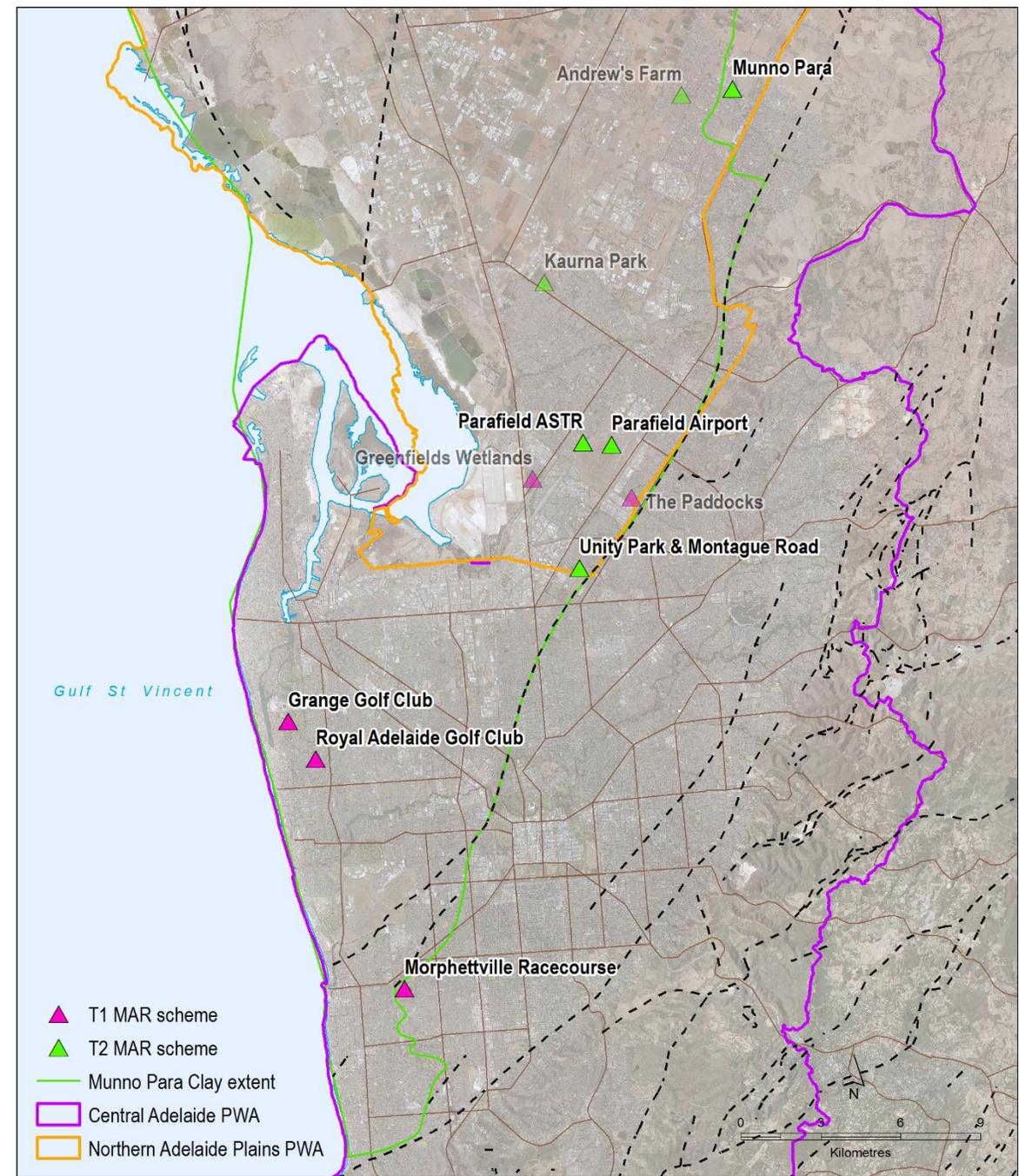
# 1991 to 2000

- Andrew's Farm (1993)
- Greenfields wetlands (1996)
- The Paddocks (1996)
- Kurna Park (1998)



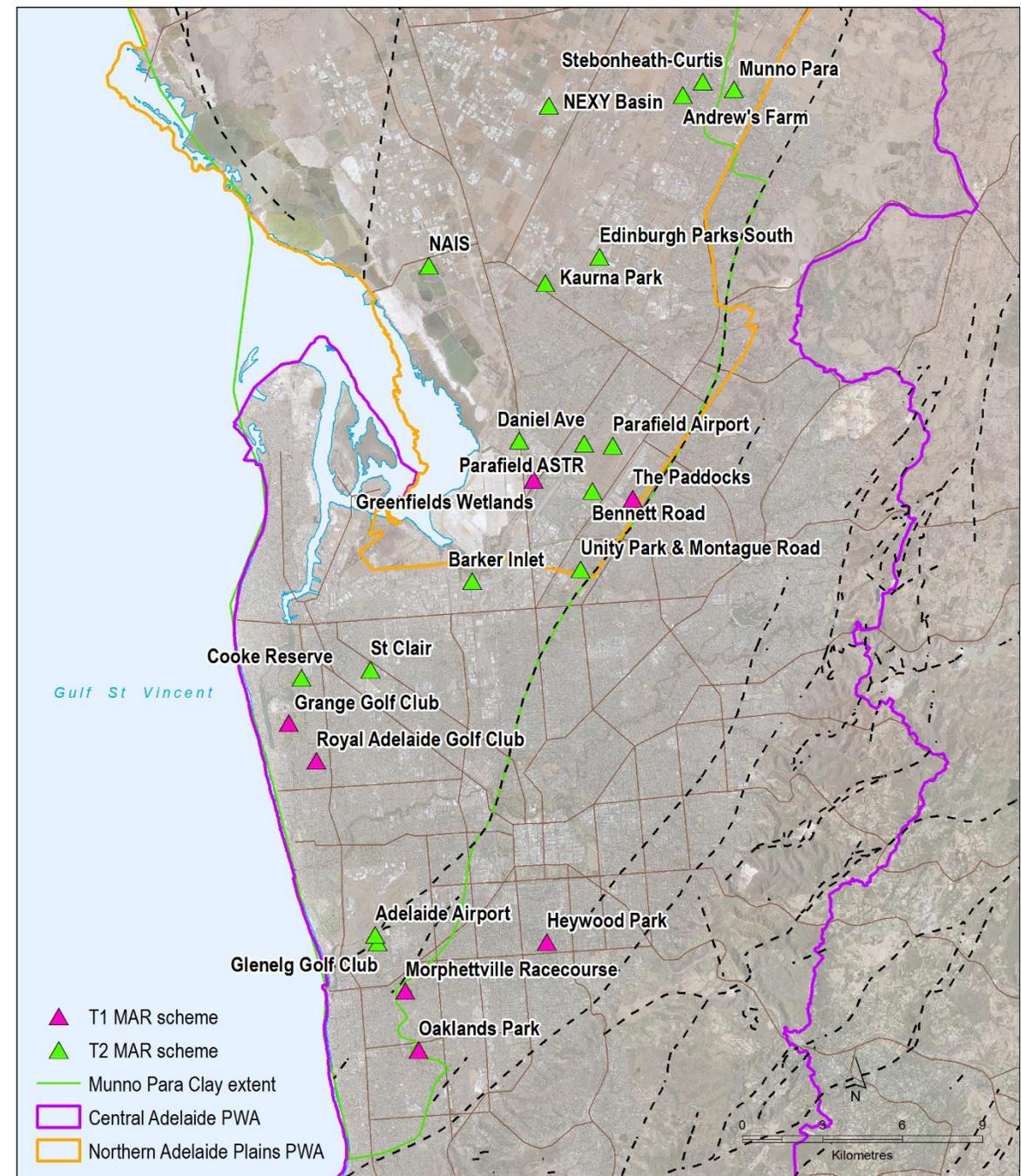
# 2001 to 2010

- Parafield Airport (2003)
- Morphettville Racecourse (2003)
- Unity Park & Montague Road (2004)
- Parafield ASTR (2006)
- Grange Golf Club (2009)
- Royal Adelaide Golf Club (2009)
- Munno Para (2010)



# 2011 to 2020

- Bennett Road (2011)
- Edinburgh Parks South (2011)
- Glenelg Golf Club (2011)
- Stebonheath – Curtis (2013)
- Daniel Ave (2013)
- Oaklands Park (2014)
- Adelaide Airport (2014)
- Barker Inlet (2014)
- St Clair & Cooke Reserve (WTW) (2015)
- Heywood Park (2015)
- NExy Basin (2016)
- NAIS (2019)

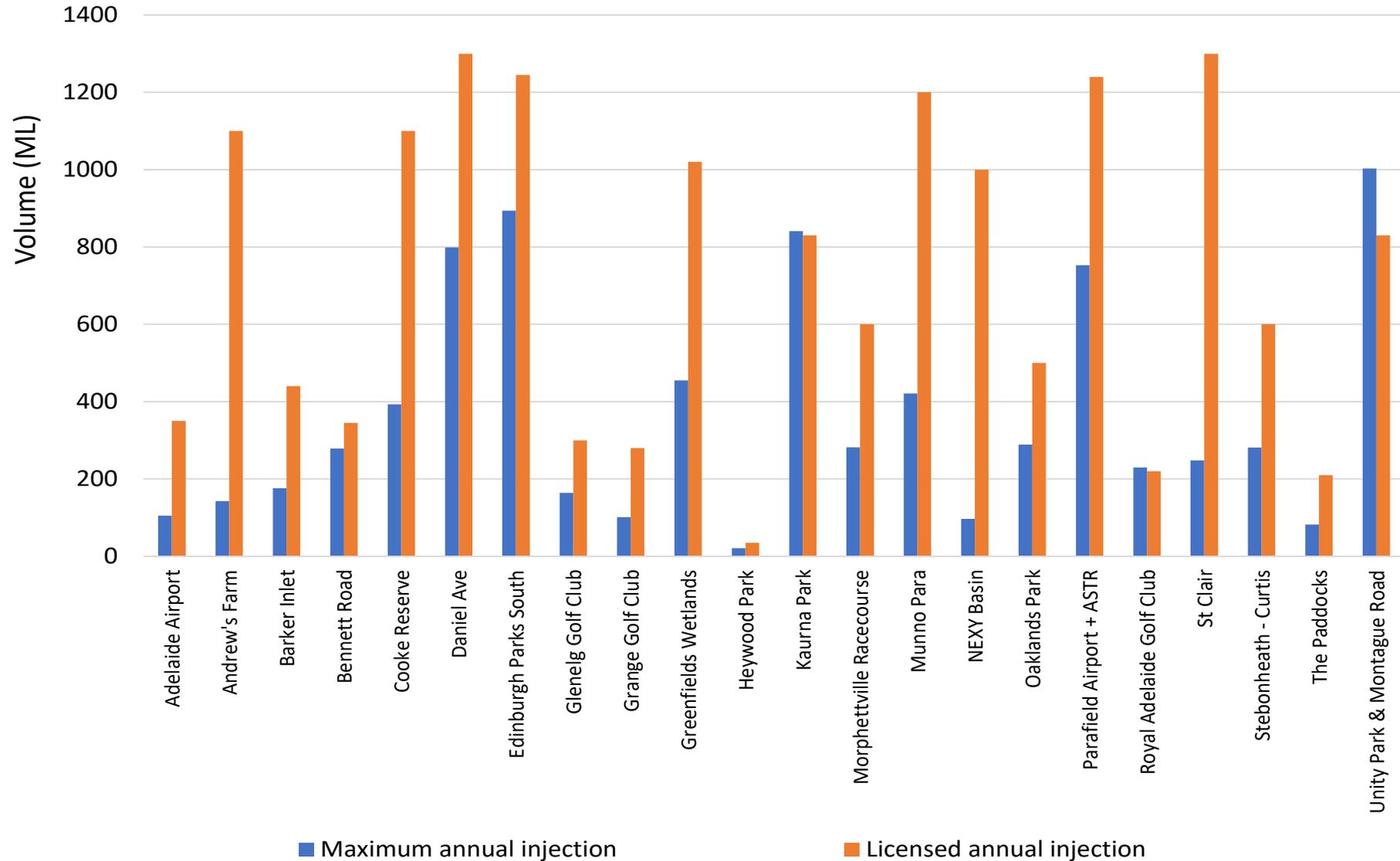


# Regulation of MAR schemes

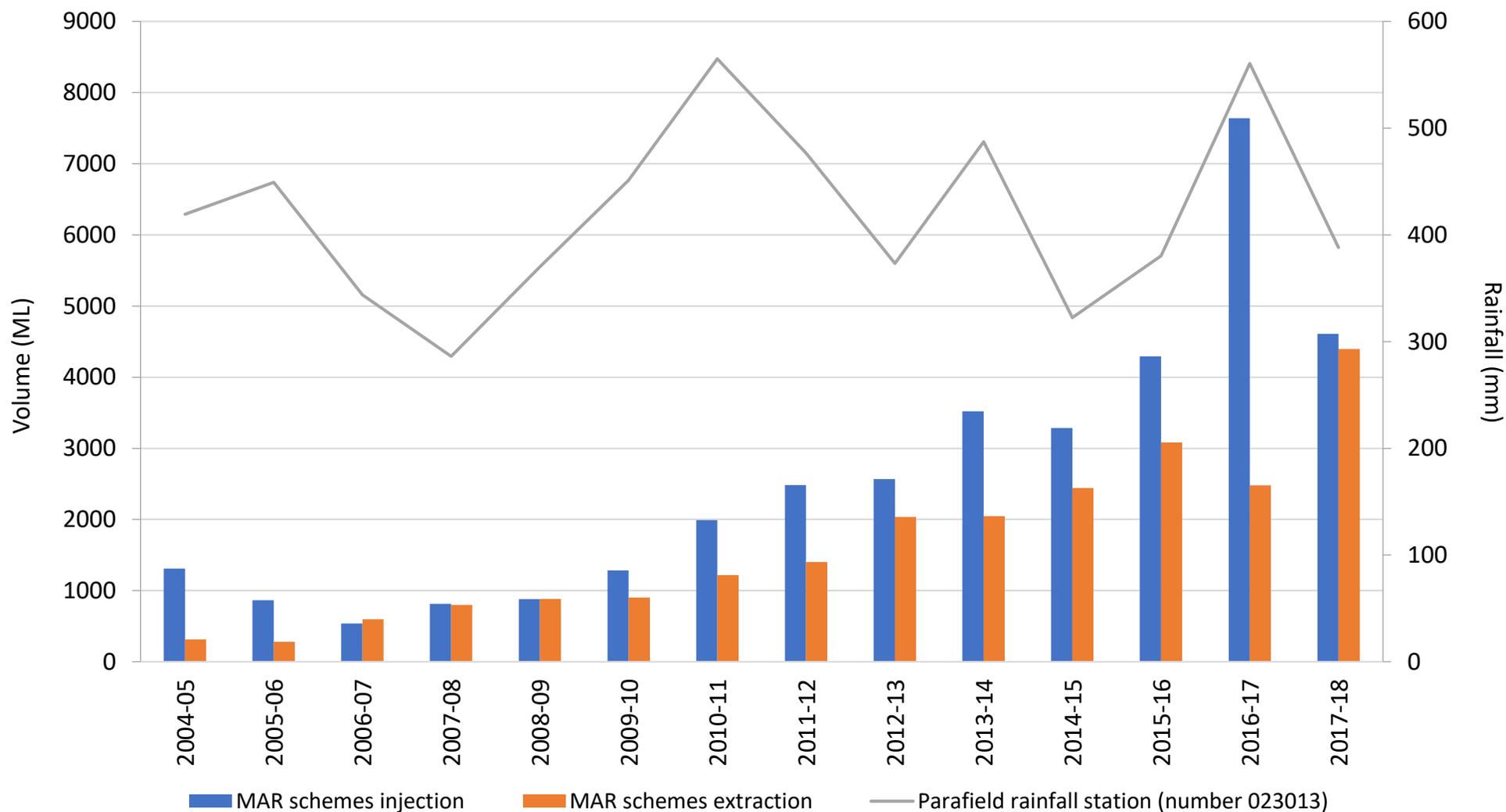
- EPA
  - licence for injecting stormwater in metropolitan Adelaide or Mt Gambier
  - state wide licence for injecting water containing treatment chemicals (i.e. wastewater that is chlorinated)
- DEW
  - DorD permit for injection
  - Licence or s128 for extraction
- schemes required to operate in accordance with an RMMP



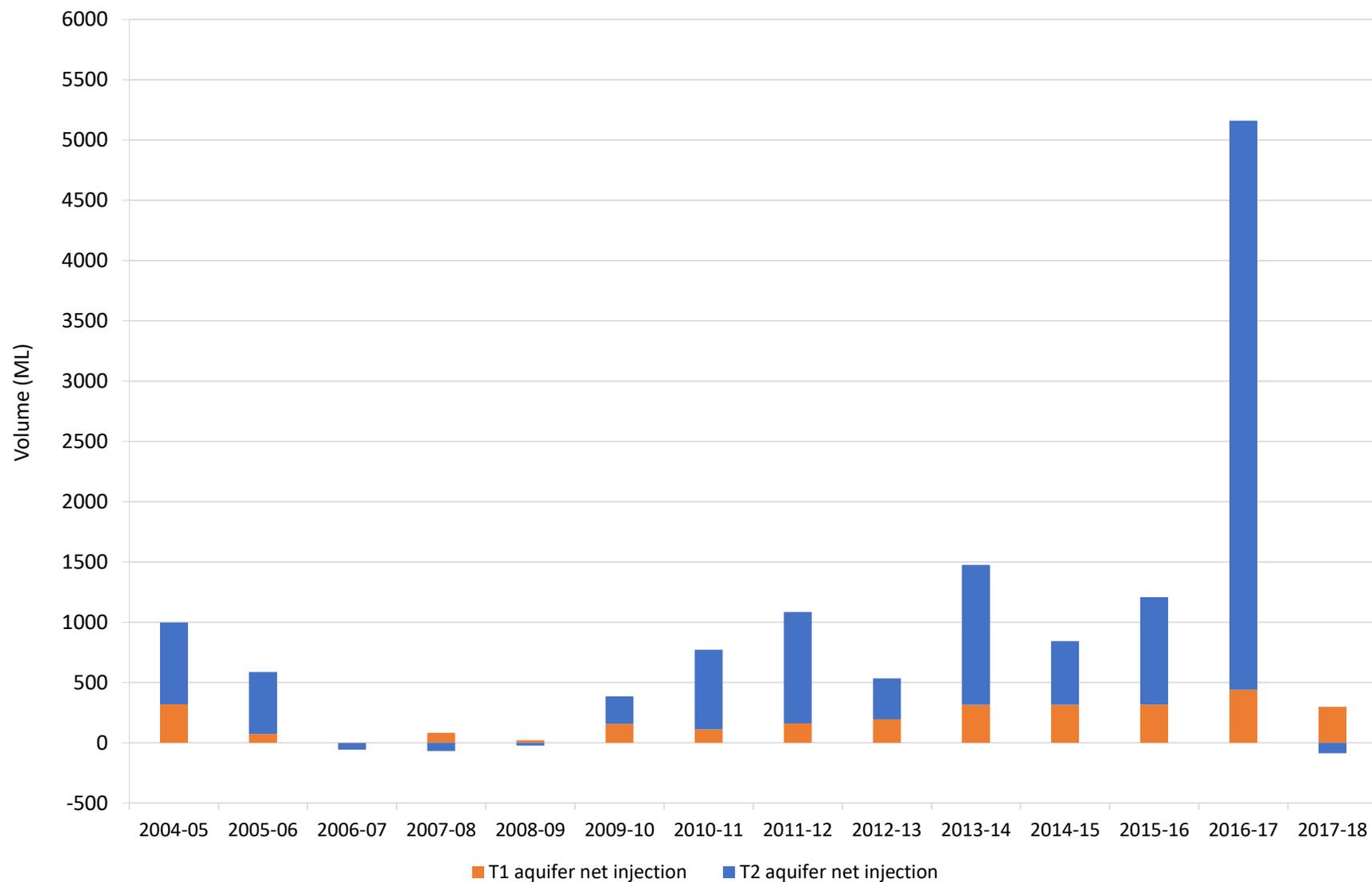
# Maximum annual injection v licensed injection

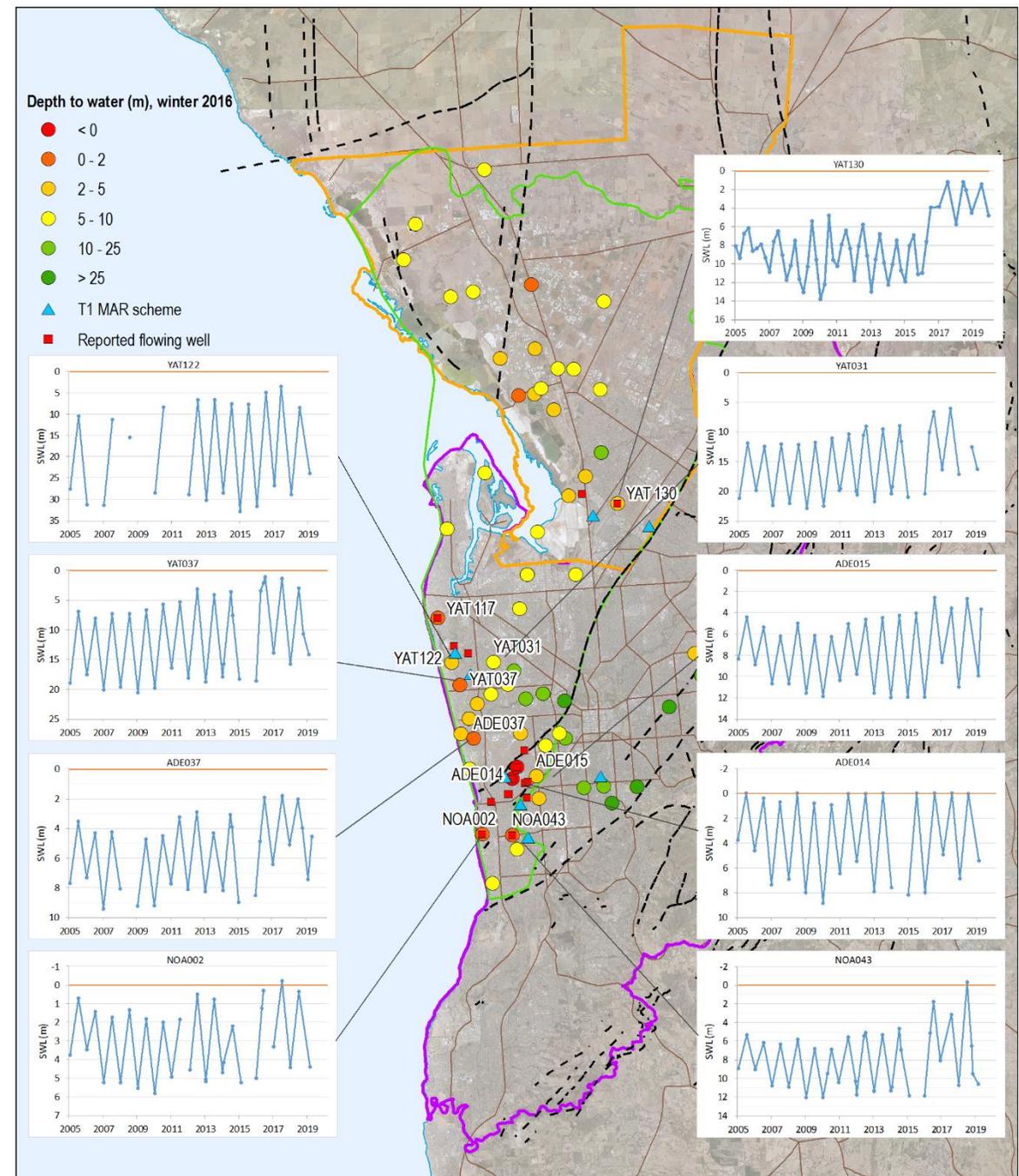
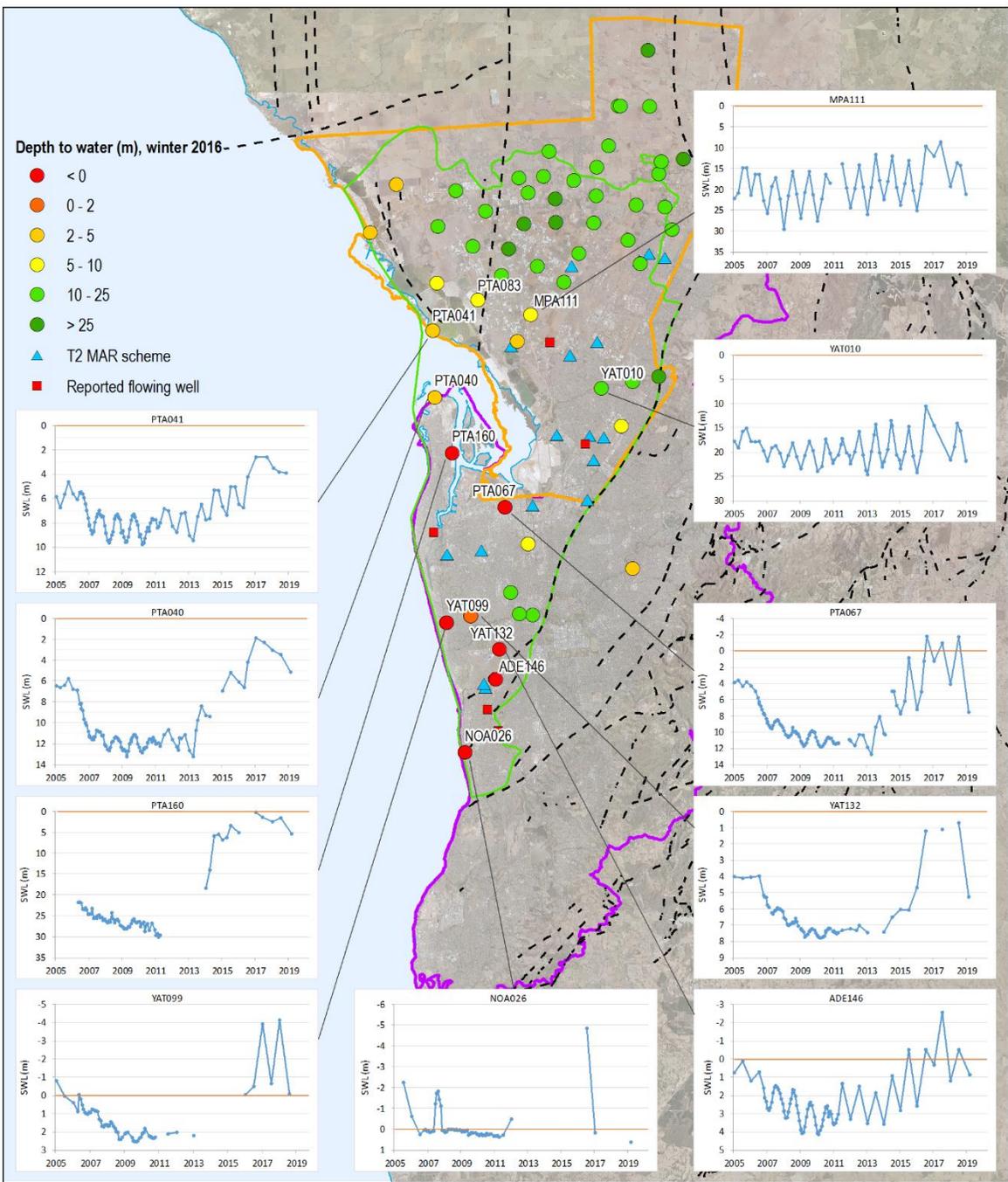


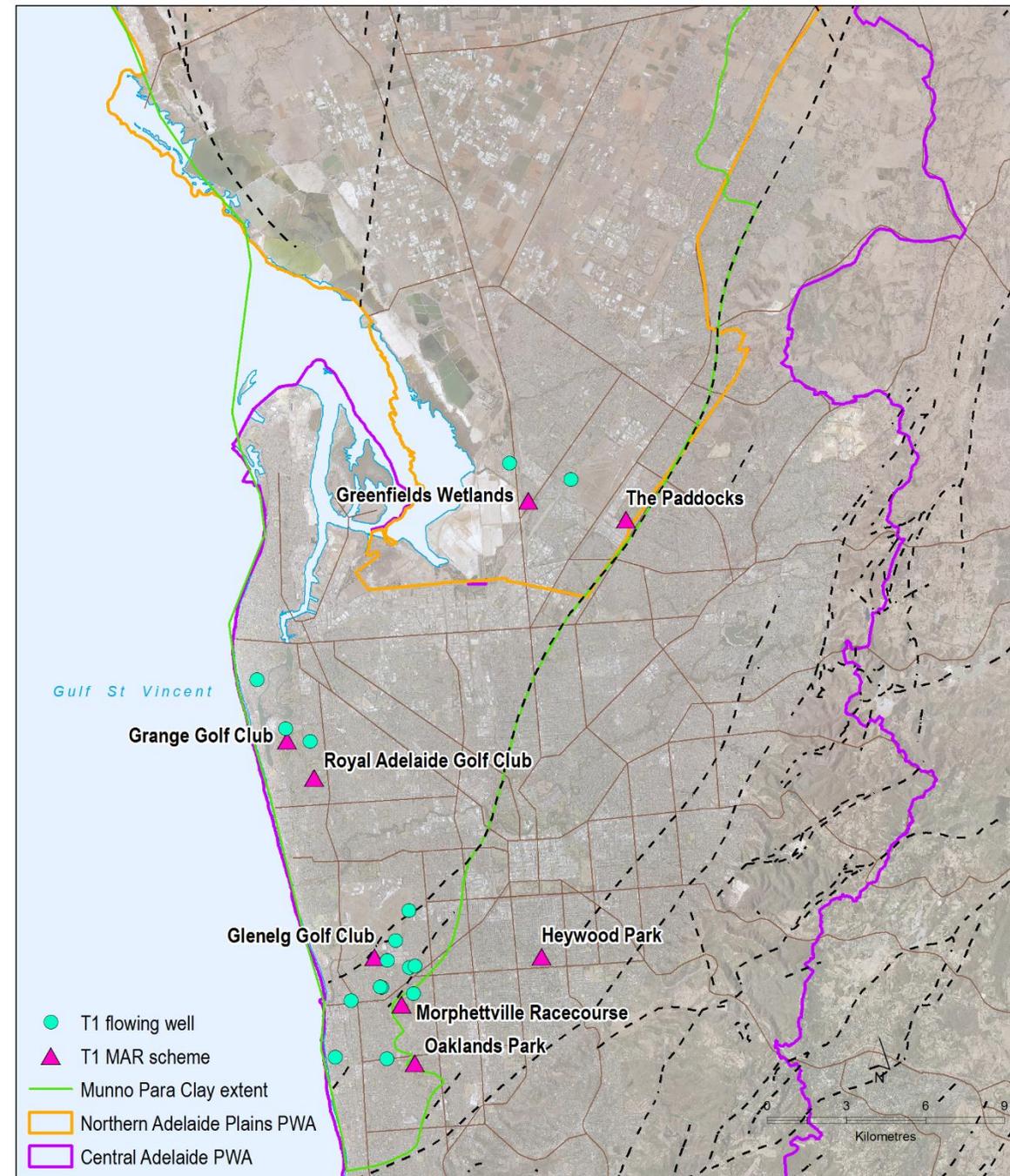
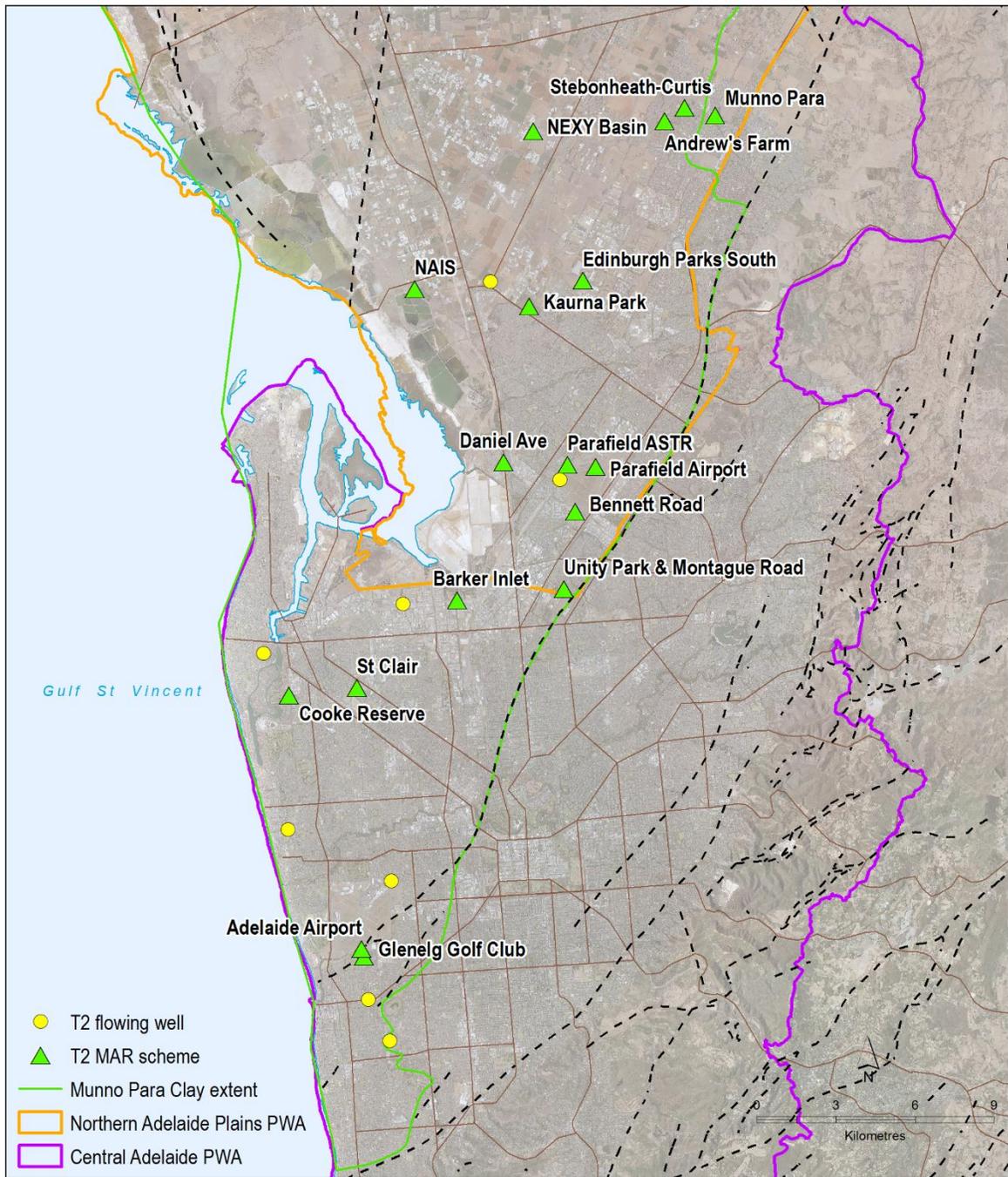
# Injection and extraction since 2004



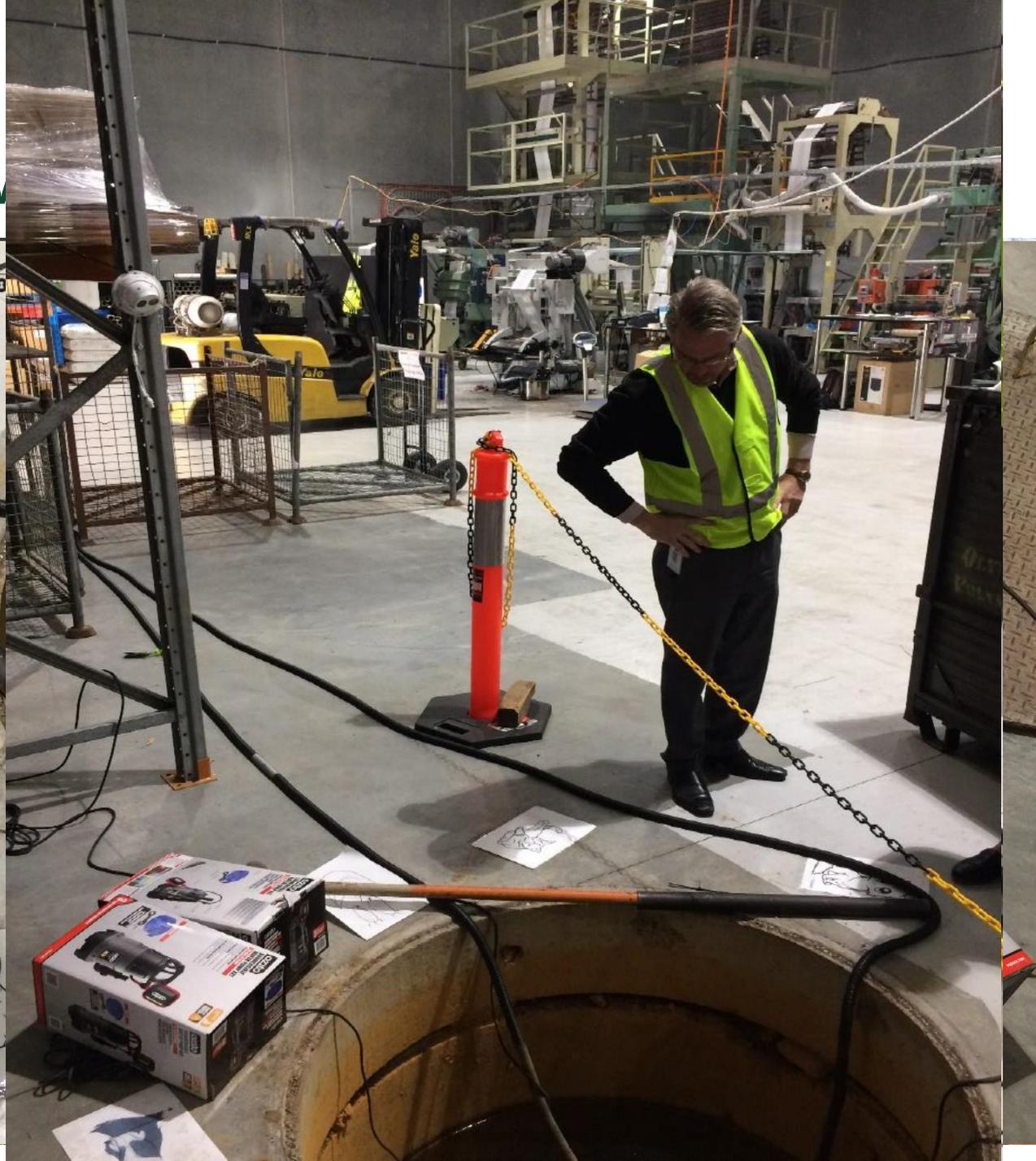
# Net injection







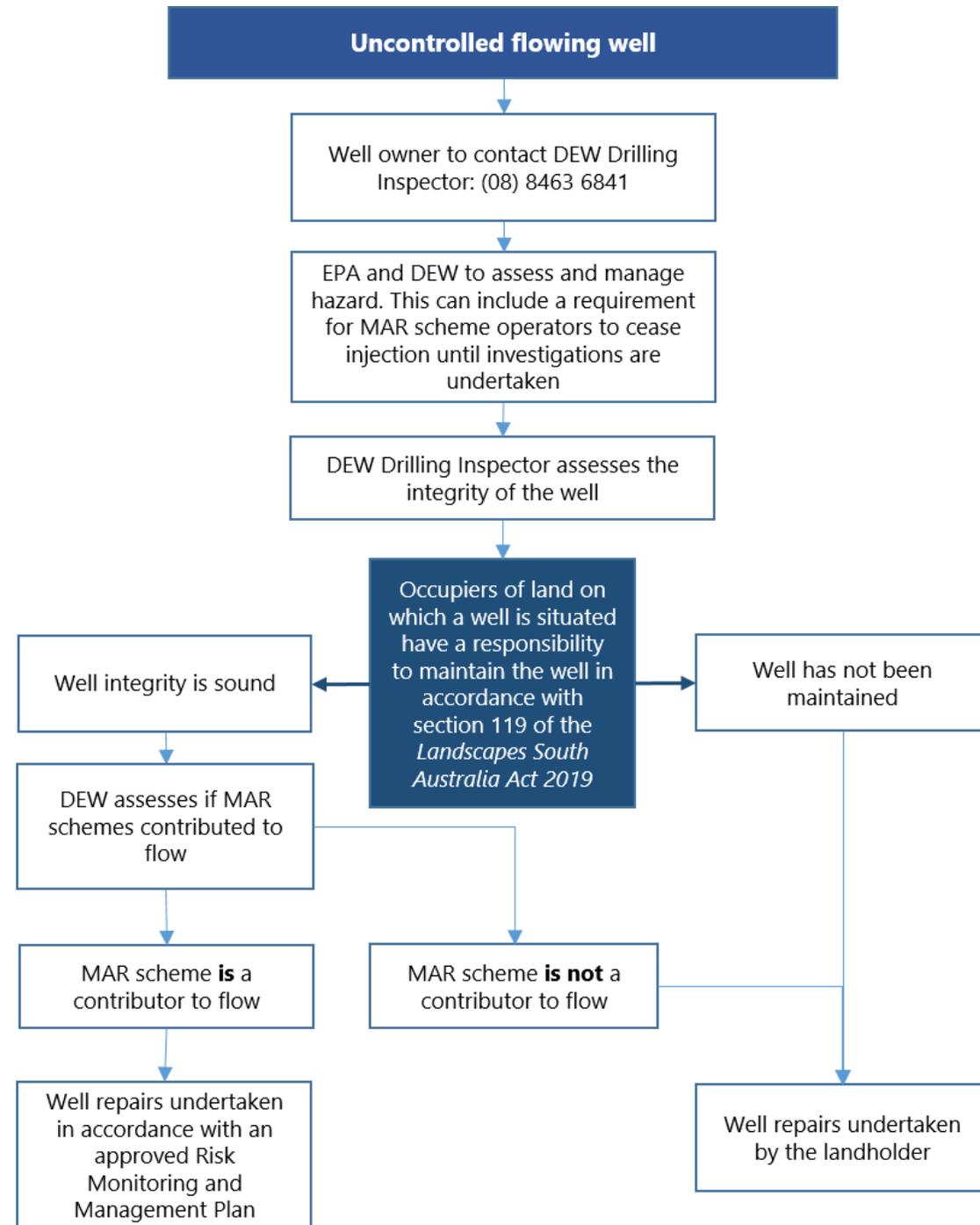
# Flowing w



# Managing artesian conditions and flowing wells

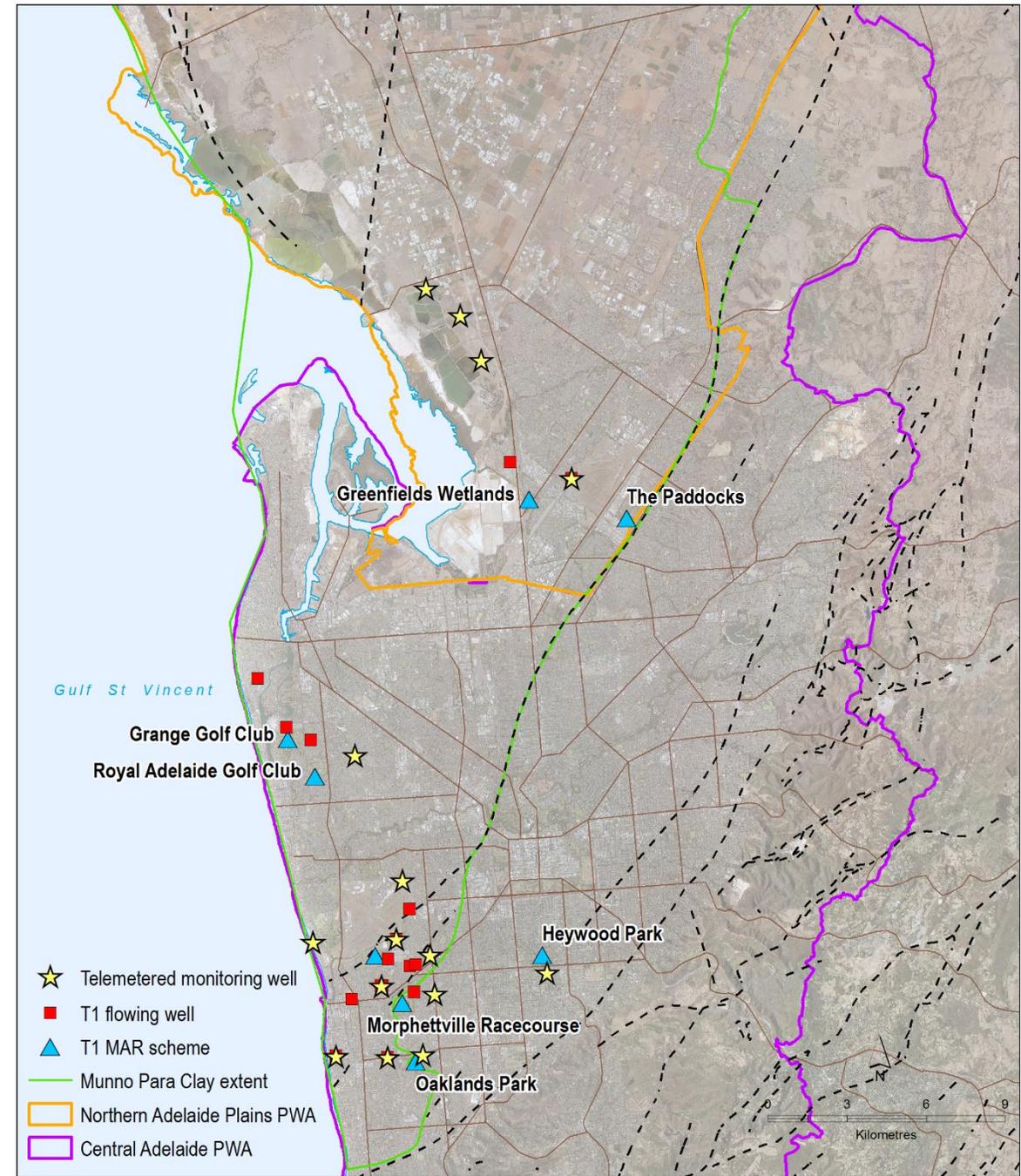
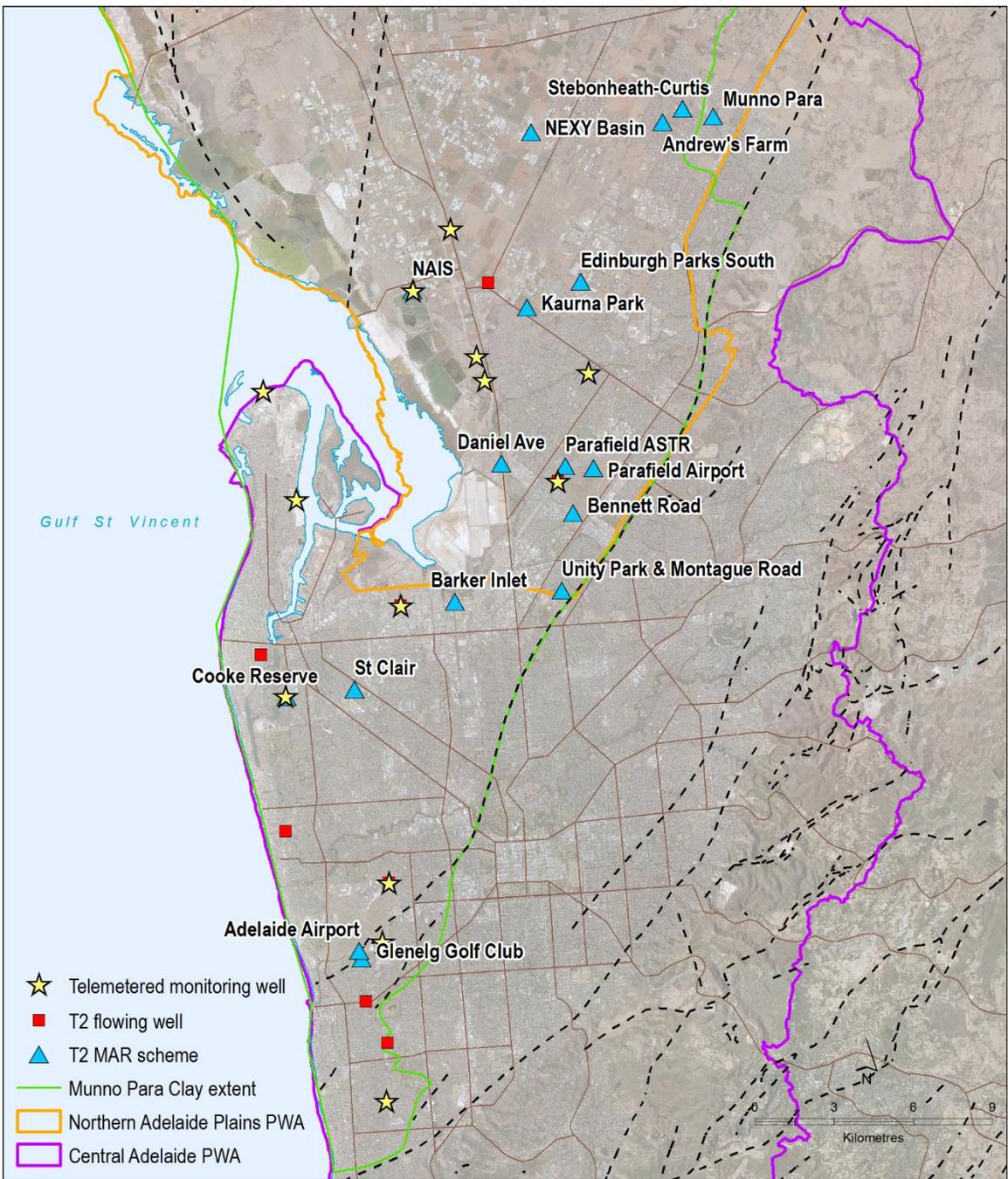


# Managing artesian conditions and flowing wells



# Managing artesian conditions and flowing wells

- RMMPs
  - monitor and manage artesian risks
  - requirements to communicate with potentially affected landholders about risks for large schemes (i.e. mailouts to well owners)
  - reviewed regularly
- AP WAP will introduce licensing of MAR schemes and monitoring
- improved monitoring of artesian hot spots with telemetered data



## Real-Time Water Data

A new way of accessing and viewing real-time water data on WaterConnect is on the way. [Read more ...](#)

[Help](#) [About](#)

Real-Time Water Data

**Map**    Satellite

Monitoring Type:     Monitoring Region:     Sub-Region:     Period:

Map     Grid

Sub-Region	Status	Site ID	Site Name	Date (ACST)	Rainfall (mm)	Depth to Water (m)
Adelaide Metro		6628-25428	ADE207 (Pt Willunga Fm) Camden Park	26/05/20 07:00		1.232
Adelaide Metro		6628-25427	ADE206 (Pt Willunga Fm) Camden Park	26/05/20 05:00		1.308
Adelaide Metro		6628-7625	ADE037 (Pt Willunga Form T1b aquifer)	26/05/20 07:00		5.624
Adelaide Metro		6628-8692	YAT031 (Pt Willunga Form T1b aquifer)	26/05/20 07:00		8.306
Adelaide Metro		6528-254	PTA040 (T2 aquifer) Outer Harbour	26/05/20 07:00		6.239
Adelaide Metro		6628-14251	NOA043 (Pt Willunga Fm) Somerton Park	26/05/20 07:00		5.132

