

Environmental Assessment Works



South Australian Environment Protection Authority

37 - 41 Cliff Street, Glenelg East

FIGURES



Legend


-  Existing Groundwater Well Location
-  Site Boundary

Project: Environmental Site Assessment
 Location: 37-41 Cliff Street, Glenelg East, SA

Job Ref: J125792	Drawn: ER	Checked: AD	Date: January 2015
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Note: All data is approx only & subject to survey

SCALE (at A3) 1:650



0 7.5 15 22.5 30 Meters

Coordinate System: GDA 1994 MGA Zone 54
 Aerial image sourced from nearmap




Figure A - GW well locations



12 Greenhill Road Wayville SA 5034
 PO Box 582 Unley SA 5061
 (08) 8299 9955
 www.greencap.com.au



Legend

- ⊕ Result Greater Than Adopted Guidelines (0.03 mg/L)
- ⊕ Existing Groundwater Well Location
- Site Boundary
- Inferred Trichloroethene Plume

Adopted Guidelines:
ANZECC/ARMCANZ (2000) Recreation

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SCALE (at A3) 1:650



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Figure B - TCE summary plan



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SCALE (at A3) 1:650

0 7.5 15 22.5 30
Meters

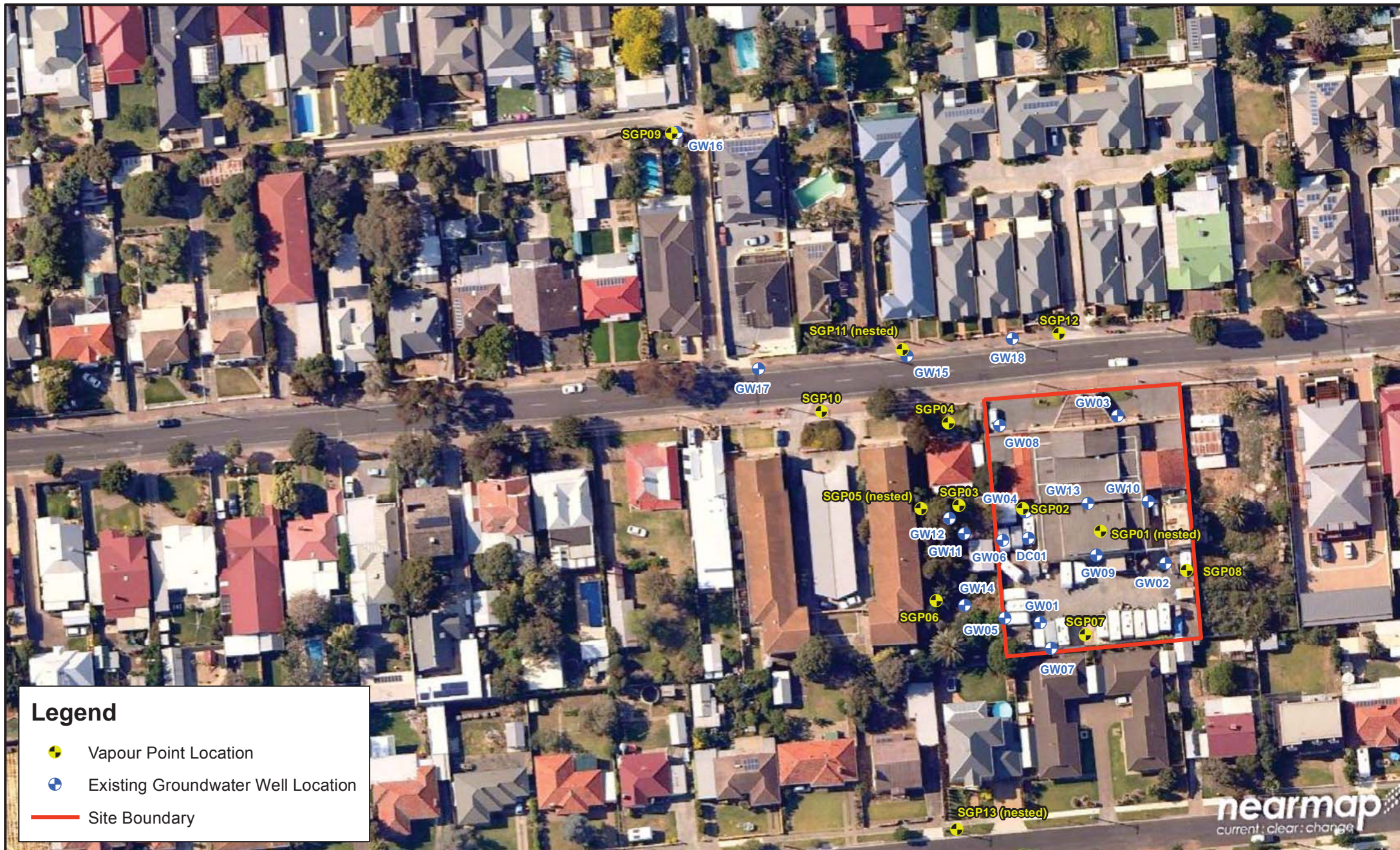
Coordinate System: GDA 1994 MGA Zone 54
Aerial image sourced from nearmap






Figure C - PCE summary plan

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Legend

-  Vapour Point Location
-  Existing Groundwater Well Location
-  Site Boundary


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 Location: 37-41 Cliff Street, Glenelg East, SA

Job Ref: J125792	Drawn: ER	Checked: AD	Date: January 2015
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SCALE (at A3) 1:800

0 10 20 30 40 Meters

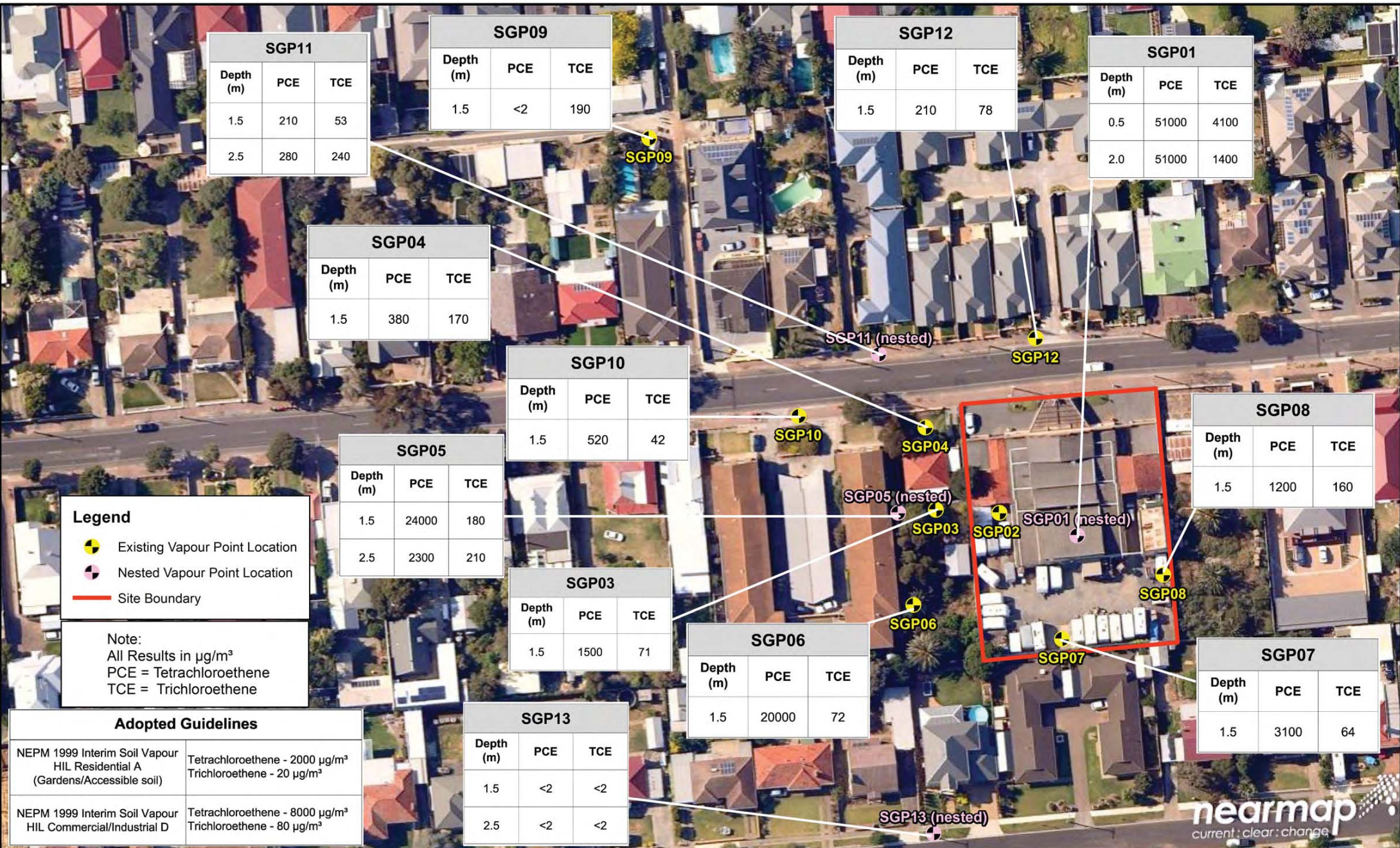


Coordinate System: GDA 1994 MGA Zone 54
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Figure D - Soil vapour & GW well locations



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SGP11		
Depth (m)	PCE	TCE
1.5	210	53
2.5	280	240

SGP09		
Depth (m)	PCE	TCE
1.5	<2	190

SGP12		
Depth (m)	PCE	TCE
1.5	210	78

SGP01		
Depth (m)	PCE	TCE
0.5	51000	4100
2.0	51000	1400

SGP04		
Depth (m)	PCE	TCE
1.5	380	170

SGP10		
Depth (m)	PCE	TCE
1.5	520	42

SGP05		
Depth (m)	PCE	TCE
1.5	24000	180
2.5	2300	210

SGP08		
Depth (m)	PCE	TCE
1.5	1200	160

Legend

- Existing Vapour Point Location
- Nested Vapour Point Location
- Site Boundary

Note:
 All Results in $\mu\text{g}/\text{m}^3$
 PCE = Tetrachloroethene
 TCE = Trichloroethene

SGP03		
Depth (m)	PCE	TCE
1.5	1500	71

SGP06		
Depth (m)	PCE	TCE
1.5	20000	72

SGP07		
Depth (m)	PCE	TCE
1.5	3100	64

Adopted Guidelines	
NEPM 1999 Interim Soil Vapour HIL Residential A (Gardens/Accessible soil)	Tetrachloroethene - 2000 $\mu\text{g}/\text{m}^3$ Trichloroethene - 20 $\mu\text{g}/\text{m}^3$
NEPM 1999 Interim Soil Vapour HIL Commercial/Industrial D	Tetrachloroethene - 8000 $\mu\text{g}/\text{m}^3$ Trichloroethene - 80 $\mu\text{g}/\text{m}^3$

SGP13		
Depth (m)	PCE	TCE
1.5	<2	<2
2.5	<2	<2

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SCALE (at A3) 1:800

0 10 20 30 40 Meters

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Figure E - Soil vapour concentrations



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