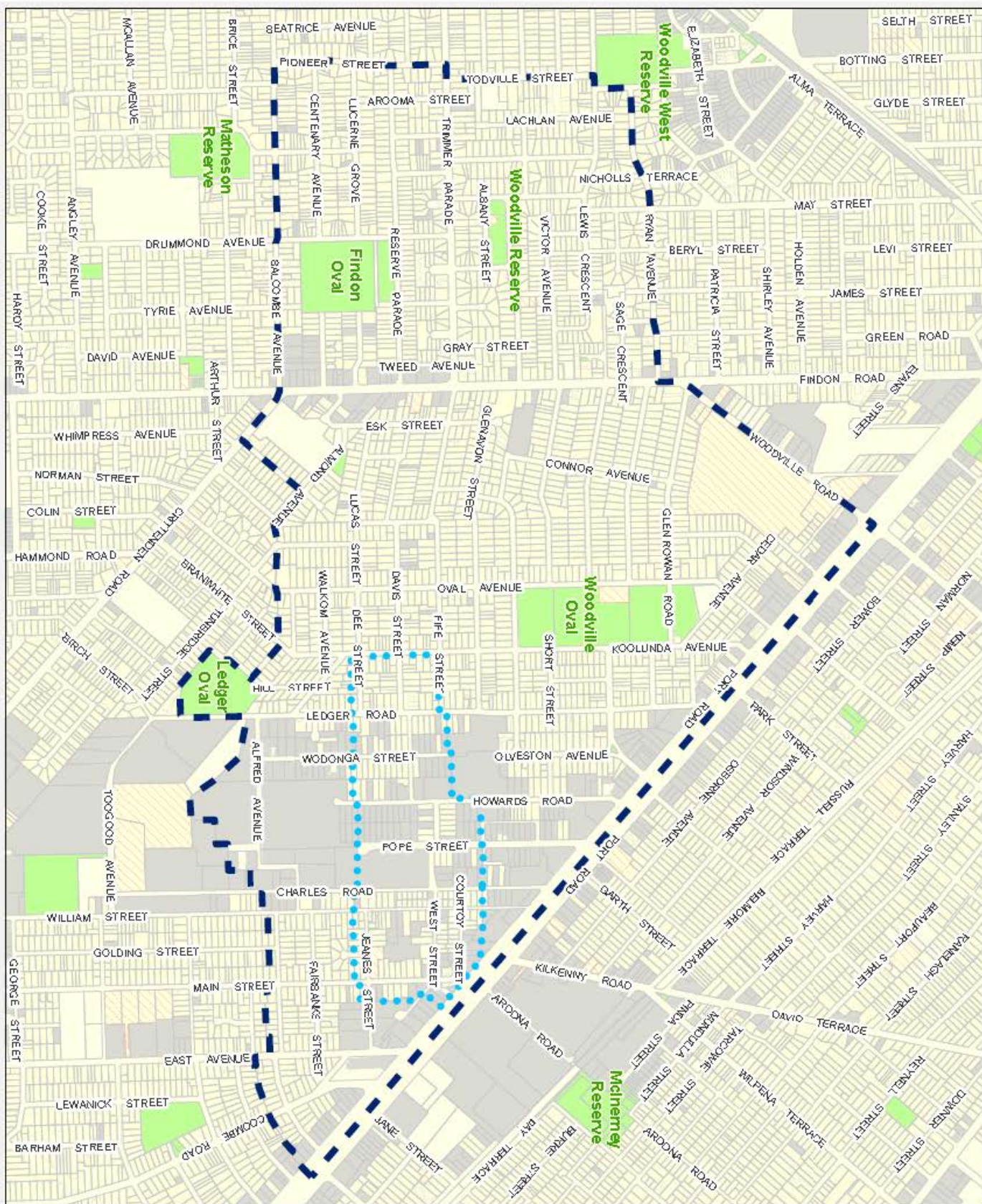


South Australia's Environment Protection Authority

Beverley and surrounding suburbs: *Community Working Group*

Tuesday 29 September 2015





Assessment work

Between April and August 2015:

- Groundwater sampling at 7 new and 5 existing locations
- Soil vapour sampling at various depths at over 80 locations
- Soil vapour sampling below the home or in the yard of 15 privately owned residential and commercial properties
- Indoor air testing inside 4 homes

All work was undertaken by environmental consultants, Golder Associates.

Assessment reporting

Draft reports received Wednesday 23 September:

- Factual report
- Conceptual site model
- Preliminary vapour intrusion risk assessment
- Preliminary human health risk assessment

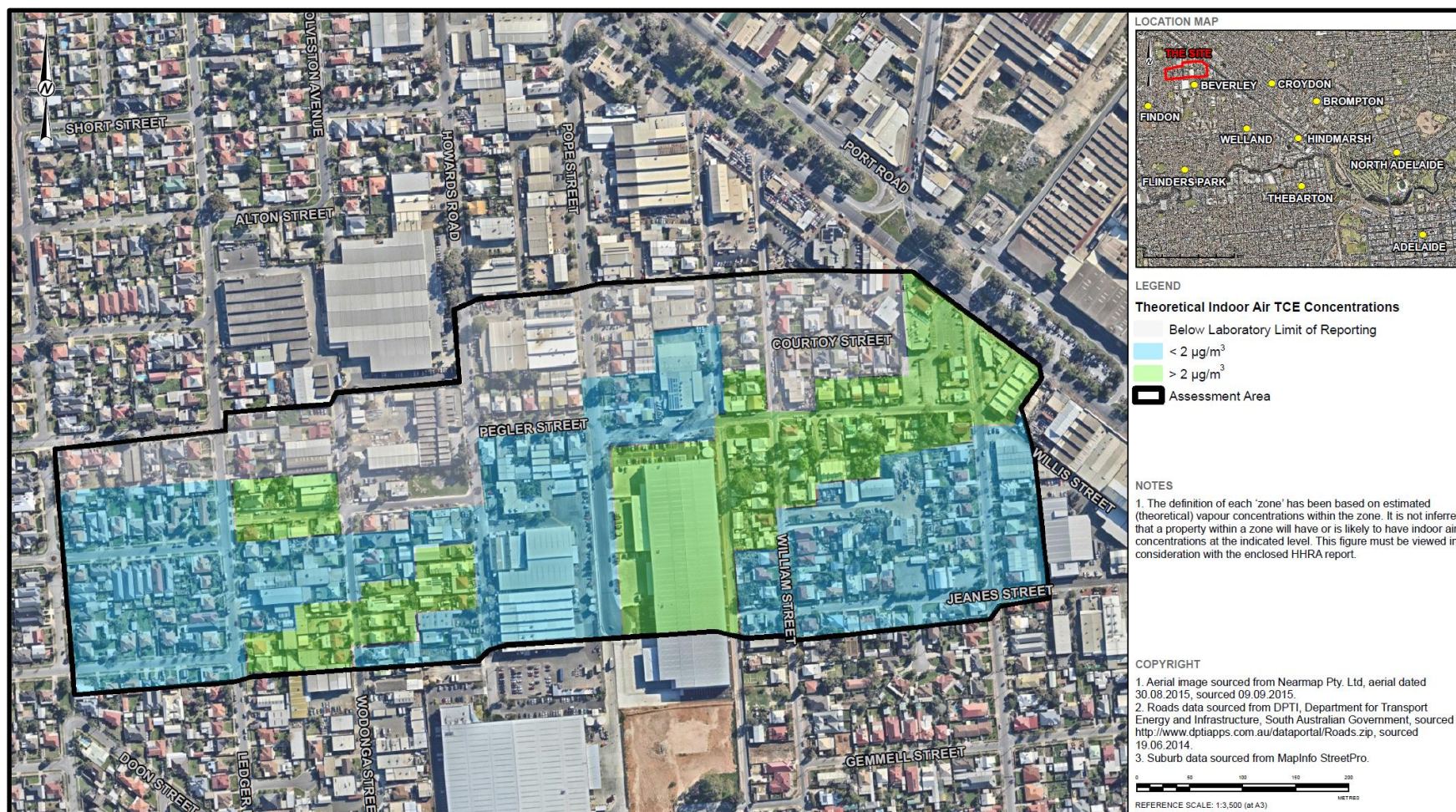
Final reports to be published on the EPA website this week.

Final reports provided to all residents who had testing undertaken on their properties.

Main findings - general

- Trichloroethene (TCE) has been identified in groundwater and soil vapour across much of the assessment area
- TCE vapour has been detected in the crawl space and indoor air of a number of properties
- The majority of the soil vapour contamination has come from the groundwater, not a soil source
- EPA have been unable to identify the source of the contamination at this stage

Main findings – property specific



Main findings – property specific

Of the estimated 176 properties in the assessment area:

- 78 fell in the “non-detect” predicted indoor air range and require no further action.
- 53 fell in the “less than $2\mu\text{g}/\text{m}^3$ ” predicted indoor air range and require validation.
- Up to 45 sit in the “above $2\mu\text{g}/\text{m}^3$ ” range and require property specific assessment to better understand any potential risk.

These computer model predictions have been made based on data collected in the vicinity of the properties and do not necessarily indicate what is actually happening inside the homes.

Next steps - assessment

Validation:

- Further testing within the assessment area over the coming months to validate the previous results and allow for any potential seasonal variations.

Property specific testing (may include):

- Soil vapour sampling in the yard
- Soil vapour sampling in the crawl space / below the slab
- Indoor air testing
- Building inspection

Next steps - timing

Current status:

- Some indoor air testing in progress.
- Procurement, planning and scope of next stage of assessment works is underway.

Property specific testing:

- Works expected to commence within a month.

Validation:

- Sampling of existing groundwater and soil vapour bores expected to occur during the summer months.

Community engagement

- Letters sent to all residents and property owners in the assessment area outlining the next steps relevant to the property (approximately 200)
- Letters sent to all residents and property owners in the broader “no groundwater use” area (approx. 2,800)
- Personal visits with all residents requiring property specific works have commenced
- Regular updates provided to City of Charles Sturt and local electorate offices
- Beverley Community Working Group meetings ongoing

Questions?

Dr Kevin Buckett

Director Public Health Services, SA Health

Andrew Pruszinski

Manager Site Contamination, EPA

Tim Saul

Manager Stakeholder Engagement, EPA

Thank you

