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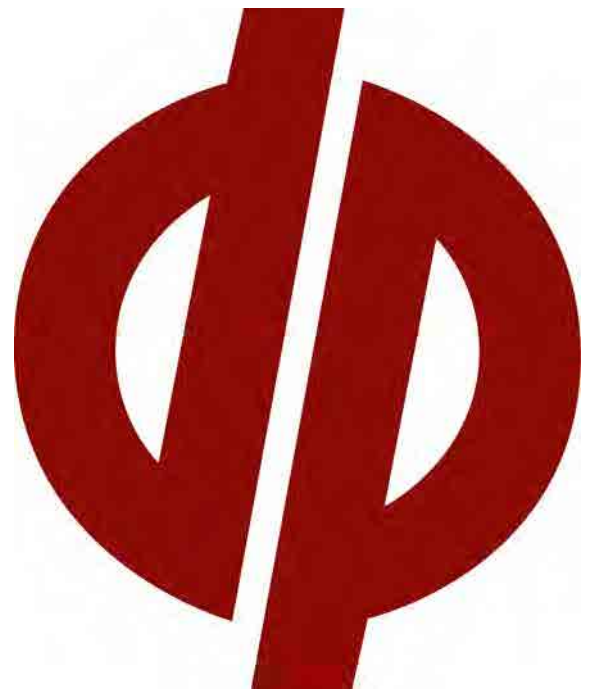
Report on
Phase 1 Contamination Assessment

Proposed Residential Subdivision
Wilton Junction

Prepared for
Elton Consulting Pty Ltd

Project 73467.00
June 2013

Integrated Practical Solutions





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Executive Summary

This report presents the results of a Phase 1 contamination assessment of a 2 128 hectare site, which forms part of the land parcel known as Wilton Junction, situated about the existing intersection of Picton Road and the Hume Highway in the suburb of Wilton. The work was commissioned by Mr Brian Elton of Elton Consulting Pty Ltd, client representatives, on 3 May 2013, on behalf of Wilton Junction Landowners Group.

The purpose of this assessment is to provide a preliminary evaluation of the contamination status of the Site and its suitability, from a contamination standpoint, for the proposed rezoning, which includes residential areas and some open space and commercial areas.

The site lies within the Local Government Area of Wollondilly Shire Council (Council), and is understood primarily to be formed of several (approximately nine) relatively large land holdings on either side of the Hume Highway north of Picton Road, with a number of smaller land holdings fronting Picton Road, both east and west of the Hume Highway. Most of the site currently appears to be used for a mixture of rural/residential, agricultural and commercial purposes, although higher density residential development and an existing small commercial precinct are present within the existing Wilton village. Wilton Junction comprises an irregular shaped area of approximately 2 584 ha. The site location and boundaries are shown on Drawing 1 Appendix B.

The Wilton Junction land precinct is a collaborative development approach essentially progressed by a consortium of four land developers, including Lend Lease, Bradcorp, Governors Hill and Walker Corporation and known as the Wilton Junction Landowners' Group (WJLG). Together, the WJLG own 1 966 hectares or 76% of the Wilton Junction site, with the remaining 618 hectares or 24% owned by other small landholders. The land ownership can be seen on Drawing 2, Appendix B.

The 456 hectares currently controlled by Lend Lease has already progressed to construction (commenced in late 2006), with several development stages either complete or nearing completion. Accordingly, this part of Wilton Junction does not require consideration under the current assessment. Wilton village has also been excluded from this assessment, as rezoning of this area is not required.

In addition, the 618 hectares owned by smaller landholders is to be considered from a desktop perspective only and thus 1 510 hectares remains accessible for field inspection and investigation. Of this 1 510 hectares, 849 hectares is currently considered as developable land, with the remaining 661 hectares comprising riparian areas or open space that will be excluded from urban development.

A review of historical aerial photographs, EPA public registers, section 149 certificates (provided by the client's representative) and groundwater bore searches were undertaken. The site history searches indicated that the majority of the site has remained vacant, with the only likely usage being agricultural, commercial (including airfield) and some rural residential and residential uses.

The Section 149 certificate for Lot 2 Deposited Plan 702024 (Bradcorp Land) indicated that the subject land is in an area which is affected by unexploded ordinance (UXO), with the subject land generally being in an area of a World War 2 bombing range. A search on the Department of Defence website also identified a portion of the site that is affected by UXO. The Department of Defence characterised the site as having a slight potential for UXO. The Department of Defence indicates that sites with a 'Slight' UXO potential are *"areas with a confirmed history of military activities that have resulted in residual UXO but Defence considers it inappropriate to assess as substantial."*

The advice provided by the Department of Defence for sites with a 'Slight' UXO potential is as follows:
"All land usage and development, within these areas, should continue without further UXO investigation or remediation."

Based on this information, no further investigation of the UXO area within the site is considered warranted from a contamination stand point. DP agree with the JET 1999 report, which recommended that subdivision approval should be conditional upon any contractors or workmen being alerted to the possible presence of unexploded ordinance and advised not to move any suspicious items but to call in qualified military personnel for identification and handling.

The review and site inspection identified 53 Areas of Environmental Concern (AEC) within the Bradcorp, Walker Corporation and Governors Hill Lands. The locations of these AEC are shown on Drawing 13 in Appendix B.

For the areas of the site that are owned by smaller landholders, a desktop study was conducted and no site inspection was undertaken. As a result of the desktop study, the identified potential areas of environmental concern (PAEC) within these areas were not investigated and remain PAEC. A total of 42 PAEC have been identified within the small landholders' areas of the site and are shown on Drawing 13, Appendix B.

Based on the obtained information, it is considered that the potential for significant contamination at the Site is low, however, further investigation is warranted for the AEC as shown in Section 7. In addition, low density sampling of the remaining residential area (excluding AEC), is recommended to confirm the contamination status of the Site, as no surface or subsurface sampling was conducted by DP to confirm the contamination status of the Site. The additional detailed investigation should be undertaken in advance of any development applications for the subdivision or bulk earthworks.

Additionally, DP recommends that subdivision approval within the UXO area should be conditional upon any contractors or workmen being alerted to the possible presence of UXO and advised not to move any suspicious items but to call in qualified military personnel for identification and handling. Notwithstanding, a military researcher and munitions expert should review our recommendation in advance of any development applications for subdivision or bulk earthworks.

Based on the findings of this preliminary contamination assessment, potential groundwater contamination is not considered to be significant unless soil contamination is found within the AEC or within the background area. If significant contamination is identified, then a groundwater investigation may be required.

It is considered that the site can be rezoned for the proposed residential subdivision from a contamination perspective. Further investigation as described above and remediation, as required, should be undertaken prior to subdivision.

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Report on
Phase 1 Contamination Assessment
Proposed Residential Subdivision
Wilton Junction

1. Introduction

This report presents the results of a Phase 1 contamination assessment of a 2 128 hectare site, which forms part of the land parcel known as Wilton Junction, situated about the existing intersection of Picton Road and the Hume Highway in the suburb of Wilton. The work was commissioned by Mr Brian Elton of Elton Consulting Pty Ltd, the client's representative, on 3 May 2013, on behalf of the client, the Wilton Junction Landowners' Group.

The site lies within the Local Government Area of Wollondilly Shire Council (Wollondilly), and is understood, primarily, to be formed of several (approximately nine) relatively large land holdings on either side of the Hume Highway north of Picton Road. There are also a number of smaller land holdings fronting Picton Road both east and west of the Hume Highway (refer Drawing 1, Appendix B). Most of the site currently appears to be used for a mixture of rural/residential, agricultural and commercial purposes, although higher density residential development and an existing small commercial precinct are present within the existing Wilton village.

The purpose of this assessment is to provide a preliminary evaluation of the contamination status of the Site and its suitability, from a contamination standpoint, for the proposed residential rezoning which includes some open space and commercial areas.

This investigation included a review of readily available site history information and a site walkover, in general accordance with current NSW Environmental Protection Authority (NSW EPA) endorsed guidelines.

This assessment was also undertaken concurrently with salinity and preliminary geotechnical investigations which are reported separately (Project 73467.00).

2. Scope of Works

The scope of works comprised:

- A review of the previous preliminary contamination assessment undertaken for the Condell Park portion of Wilton Junction by Johnstone Environmental Technology Pty Ltd (JET) *Report on Preliminary Contamination Assessment, Condell Park, Wilton, NSW*, dated 3 November 1999, Project JET1127-001/DJ, [JET 1999];
- Site Inspection by an environmental engineer.

- A search through the NSW EPA Land Information records to confirm that there are no current statutory notices on any parts of the release area issued under the *Contaminated Land Management Act* (1997).
- A review of historical aerial photography for the area obtained through the Land Information Section of the Department of Planning.
- A review of the Section 149 certificates for information relating to site contamination provided by the client's representative.
- Interviews with local residents and land owners (where possible) to obtain anecdotal information regarding the potential nature and extent of site filling or other relevant information.
- A review of the test pit logs undertaken for the geotechnical and salinity investigations for contamination purposes.
- Based on the findings of the above site history searches a list of Potential Areas of Environmental Concern (PAEC) were developed.
- Each PAEC was assessed individually and, depending on the risk or presence of contamination, certain PAEC were declared Areas of Environmental Concern (AEC) which will be the subject of subsequent Phase 2 Investigations.
- Preparation of a report detailing the methodology and results of the assessment and assessing the suitability of the site for the proposed rezoning.

3. Site Definition

The site is defined as the Wilton Junction land precinct and is situated about the existing intersection of Picton Road and the Hume Highway in the suburb of Wilton. The site comprises an irregular shaped area of approximately 2 584 ha. The site location and boundaries are shown on Drawing 1, Appendix B.

The Wilton Junction land precinct is a collaborative development progressed by a consortium of four land developers, including Lend Lease, Bradcorp, Governors Hill and Walker Corporation collectively known as the Wilton Junction Landowners' Group (WJLG). Together, the WJLG own 1 966 hectares or 76% of the Wilton Junction site, with the remaining 618 hectares or 24% owned by other small landholders. The land ownership is shown on Drawing 2 Appendix B.

The 456 hectares currently controlled by Lend Lease has already progressed to construction (commenced in late 2006) with several development stages either complete or nearing completion. Accordingly, this part of Wilton Junction has not been considered under the current assessment.

In addition, the 618 hectares owned by smaller landholders has only been considered from a desktop perspective and, thus, 1 510 hectares remains accessible for field inspection and investigation. Of this 1 510 hectares, 849 hectares is currently considered as developable land with the remaining 661 hectares comprising riparian areas or open space that will be excluded from urban development.

Wilton village has also been excluded from this assessment as rezoning of this area is not required.

The site is bound to the north by the Nepean River, to the west by the Nepean River and Cordeaux River, to the south by Cordeaux River and catchment lands and to the east by Allens Creek and further agricultural and rural residential lands.

The site traverses undulating terrain with an overall difference in level of about 170 m from the highest part of the site to the lowest. The site currently appears to be used for a mixture of rural/residential, agricultural and commercial purposes, although higher density residential development and an existing small commercial precinct are present within the existing Wilton village.

3.1 Regional Geology and Soils

Reference to the 1:100 000 Wollongong-Port Hacking Geological Series Sheet indicates that the central portions of the Site are underlain by Ashfield Shale (mapping unit Rwa) of the Wianamatta Group of Triassic age. This formation typically comprises laminite and dark grey siltstone.

The 1:100 000 Wollongong-Port Hacking Geological Series Sheet also indicates that the riparian zones within the Site are underlain by Hawkesbury Sandstone (mapping unit Rh) of Triassic age. This formation typically comprises medium to coarse-grained quartz sandstone, very minor shale and laminite lenses.

The 1:100 000 Wollongong-Port Hacking Geological Series Sheet also indicates that some minor areas are underlain by Bringelly Shale (mapping unit Rwb) of Triassic age. This formation typically comprises shale, carbonaceous claystone, laminite, and coal in parts.

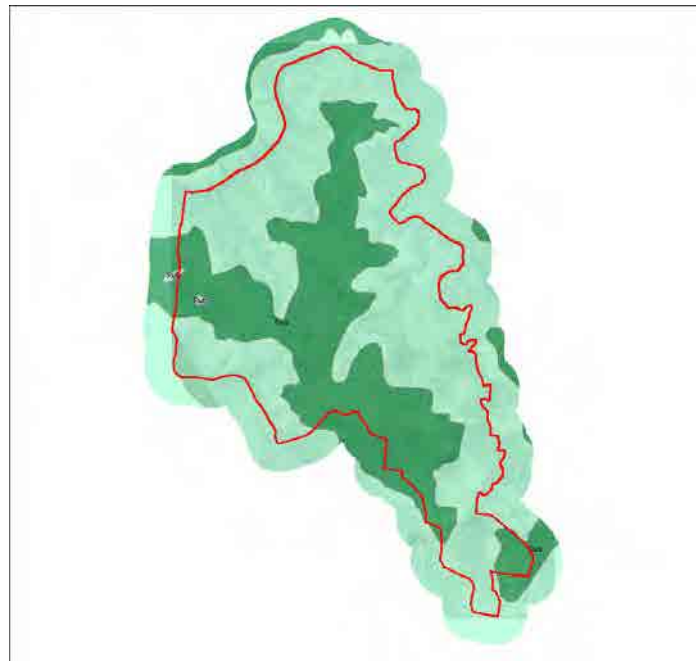


Figure 1: Geology Sheet

Light green = Ashfield Shale

Dark green = Hawkesbury Sandstone

Grey = Bringelly Shale

The Wollongong-Port Hacking 1:100,000 Soils Landscape Sheet indicates that the majority of the site (as shown on Figure 2) is within the Blacktown soil landscape group (mapping unit bt), associated with residual soils with moderately reactive, highly plastic subsoil, low soil fertility and poor soil drainage.

The riparian areas of the site are within the Lucas Heights soil landscape group (mapping unit lh) which is characterised by *“Gently undulating crests and ridges on plateau surfaces of the Mittagong Formation. Local relief to 30 m, slopes <10%”*. The Lucas Heights soil group is associated with residual soils and have stony soil, low soil fertility and low available water capacity.

Areas surrounding the Nepean River, Cordeaux River and Allen Creek are within Hawkesbury soil landscapes group (mapping unit ha) which is characterised by *Rugged, rolling to very steep hills on Hawkesbury Sandstone*. Hawkesbury soil landscape group is associated with colluvial soils with extreme soil erosion hazard, mass movement (rock fall) hazard, steep slopes, rock outcrop, shallow, stony, highly permeable soil, low soil fertility.

Some areas of the site are situated on the Luddenham soil landscape group (mapping unit lu) which is characterised by *undulating to rolling low hills on Wianamatta Group shales, often associated with Minchinbury Sandstone*. Luddenham soil landscape group is associated with erosional soils with high soil erosion hazard, localised impermeable highly plastic subsoil, moderately reactive.

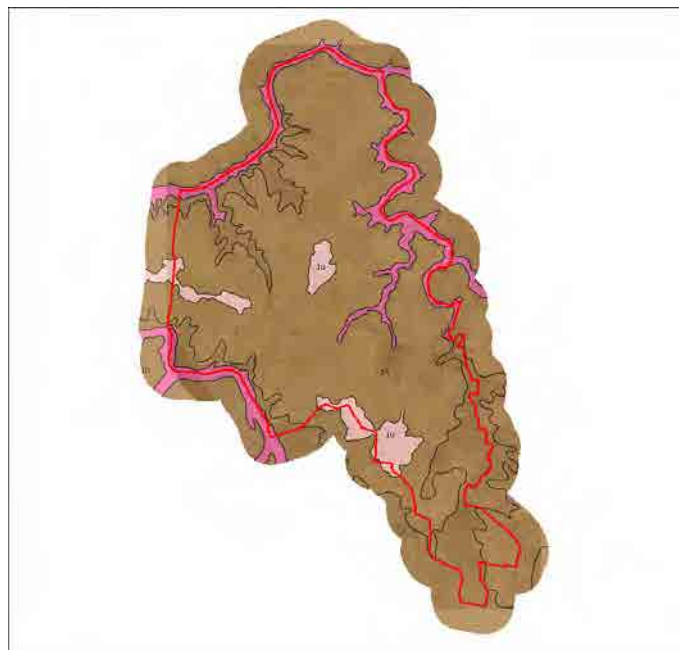


Figure 2: Soil Landscape

Brown = Blacktown soil landscape group
Dark Brown = Lucas Heights soil landscape group
Dark Pink = Hawkesbury soil landscapes group
Light Pink = Luddenham soil landscape group

4. Previous Investigations

A previous investigation for a portion of the Wilton Junction land precinct was undertaken by Johnston Environmental Technology Pty Ltd (JET) in Report on Preliminary Contamination Assessment, Rural Land Subdivision, Condell Park, Wilton, NSW, 3 November 1999, JET1127-001/DJ. [JET 1999].

JET (1999) was undertaken on the Bradcorp and Lend Lease portions of Wilton Junction (Lots 1, 2 and 4 of Deposited Plan 702024) and included:

- An on-site inspection of the property and an examination of the surface features and surrounds.
- Inquires with Council and residents regarding land uses and activities; and
- Examination of historical aerial photographs at the NSW Department of Land and Water Conservation to assist in determining previous land uses (particularly to assess any previous cultivation or intensive uses).

The JET report concluded that the site was suitable for the proposed land use being a subdivision into 40 ha rural blocks with homestead construction, however, it was recommended that *“subdivision approval should be conditional upon any contractors or workman being alerted to the possible presence of Unexploded ordinance and advised not to move any suspicious items but to call in qualified military personnel for identification and handling”*.

5. Review of Site History Information

The site history investigation is undertaken to identify potential areas of environmental concern and contaminants of concern which may arise from previous uses (storage of dangerous goods, storage and disposal of raw and waste products etc.), the presence of demolished or partly demolished buildings, soil stockpiles, land filling, waste disposal and other potentially contaminating activities.

The following sections detail the methodology of the investigations undertaken with results discussed in Section 7.

5.1 Search of NSW EPA Registers

A search on 11 June 2013 for current Statutory Notices issued under the *Contaminated Land Management Act 1997* and *Protection of the Environment Operations Act 1997* (POEO) available on the NSW EPA website showed that there are no notices or licences that have been issued for the site.

5.2 Historical Aerial Photography

Aerial photographs were examined to identify any changes to the landscape which may include potentially contaminating land activities or significant environmental features. Seven aerial photographs were examined from the years 1955, 1961, 1975, 1984, 1990, 2005 and 2010. Copies are included in Appendix B.

The aerial photographs were reviewed for Potential Areas of Environmental Concern (PAEC) for all areas of the site excluding the Lend Lease and existing Wilton village areas. The Lend Lease and Wilton township areas were excluded from the aerial review for potential areas of contamination as these areas have already or are in the process of being developed.

A summary of the aerial photograph review is given below.

1955: The majority of the site appears to have been cleared with one cluster of buildings observed within the Wilton Township Area. Individual homestead were observed along Wilton Park Road. Wilton Park Road alignment could be seen running in a west to east direction. The site was densely vegetated around the edges within the gully areas. Some dams and gravel tracks were present across the site indicating a potential for some agricultural usage. Recently cleared or logged areas were observed within the northern and eastern portions of the site.

1961: The site appears to have remained relatively unchanged with the exception of more extensive land clearing within the northern and eastern portions of the site. Some ground disturbances were noted in various locations within the site.

1975: The site appears to have remained relatively unchanged since the previous photograph with the exception of more clearly defined lots (some with residential dwellings) along Wilton Park Road in the western portion of the site. Residential dwellings appear to have been constructed on some of these lots. Since the previous photograph Wilton Township appears to be expanding with the addition of more residential housing. Some ground disturbances were noted within the site which included a dirt track (possibly a runway) which was observed running in a north south direction in the vicinity of the current airfield. Land clearing was observed to the north of the cluster of residential buildings observed in Wilton and to the south of Wilton Park Road in the western portion of the site.

1984: The majority of the site appears to have remained relatively unchanged since the previous photograph. The Hume Highway has been constructed since the previous photograph. Picton Road has also been constructed from the north of the site to Wilton. Further development of Wilton Township has appeared to have been undertaken since the previous photograph with additional residential buildings being constructed. The alignment of Wilton Park Road has been altered due to the construction of the Hume Highway and Picton Road. There appears to have been a new access road to the airfield and an additional runway constructed since the previous photograph. A dirt/gravel access road was observed running past the airfield and up to the north within the rail corridor. The access road can be seen leading to a large ground disturbance where the construction of the rail bridge appears to have commenced. Some ground disturbances were observed adjacent to the access road.

1990: The site appears to have remained relatively unchanged since the previous photograph. The southern portion of Picton road has been constructed. An additional runway has been constructed roughly perpendicular to the existing runway (in a rough north west to south east direction). Some additional land clearing was observed on the central eastern portion of the site (to the north of the Wilton Township). The original runway appears to have been unused and becoming less noticeable. Some minor ground disturbances were noted within the site

2005: The site appears to have remained relatively unchanged since the previous photograph. There was a ground disturbance to the south of Picton road and south of the Wilton Township which appears to have been some kind of oval track.

2010: The site appears to have remained relatively unchanged since the previous photograph. In the vicinity of the airfield the original runway can no longer be seen. The construction of the Bingara Gorge residential development has commenced since the previous photograph with roads and houses being constructed.

Overall comments from the aerial photographs include:

- The majority of the site has remained vacant with the only likely usage being agricultural, commercial (including the airfield and some areas within the current Wilton Village) and some residential use;
- The Hume Highway and Picton Road were constructed between the years 1975 and 1990;
- Some ground disturbances were noted in the vicinity of the rail corridor and during the construction of the Rail bridge;
- Numerous ground disturbances and dams were noted within the site; and
- Recent land clearing was observed within the site.

5.3 Review of Section 149 (2 and 5) Certificates

A review of the provided Section 149 Planning Certificates for the Bradcorp and Lend Lease portions of the site (Lots 1, 2 and 4 of Deposited Plan 702024), dated 18 February 1999, (Appendix E) indicated that there are no matters listed under the Section 59(2) of the *Contaminated Land Management Act* 1997 which should be specified on the certificate. We note that the date on the Section 149 certificates provided by the client is 1999. Due to their age it is possible that some amendments may have been made to the certificates over the ensuing years. However a review of the NSW EPA Registers showed no notices or licences that have been issued for the site. Future contamination assessments should review the current certificates.

The Section 149 certificate for Lot 2 Deposited Plan 702024 (Bradcorp Land) indicated that the subject land is in an area which is affected by unexploded ordinance with the subject land generally being in an area of a World War 2 bombing range. This is discussed further in Section 5.5.

No certificates were provided for the remaining portions of the site.

5.4 Groundwater Bore Database

A search of the groundwater bore database administered by the NSW Office of Water indicated that there are eight bores located within the site. Work summaries from the bore search indicated that the authorised and intended purposes of the groundwater bores were for domestic stock, irrigation and test purposes.

Groundwater was noted in one of these bore to the east at a depth of 76 m below ground level. Groundwater was noted in the remaining wells at depths of 12 m and 24 m below ground level.

5.5 Search on the Department of Defence Website for Sites Affected by Unexploded Ordnance

A search on 25 June 2013 for sites affected by Unexploded Ordnance (UXO) on the Department of Defence website indicated that the site was partially within the Douglas Park World War 2 Bombing Range (refer figure 3). The Department of Defence characterised the site as having a slight UXO potential.

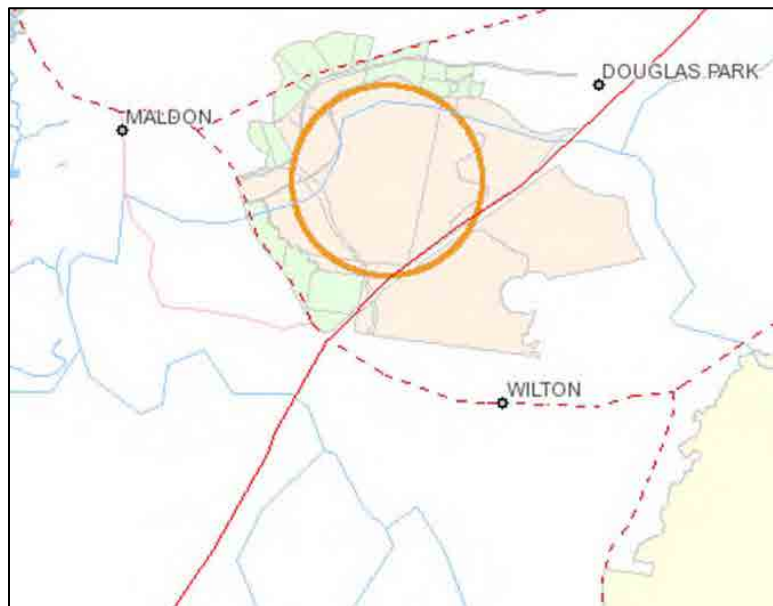


Figure 3: Area affected by Unexploded Ordnance

The Department of Defence indicates that sites with a 'Slight' UXO potential are *"areas with a confirmed history of military activities that have resulted in residual UXO but Defence considers it inappropriate to assess as substantial."*

The advice provided by the department of defence for sites with a 'Slight' UXO potential is as follows: *"All land usage and development, within these areas, should continue without further UXO investigation or remediation."*

The Department of Defence provide the following warning and advice for a site with a Slight UXO potential as: *"Defence issues the following UXO warning and advice for areas assessed as having a slight UXO potential: Allied Defence Forces used many sites throughout Australia, during and after World War II, for encampments, field training, live firing of weapons and other military activities. This property is on such a site. A possibility exists that Dangerous items of Unexploded Ordnance (UXO) may still be found on this site. If you should find a suspicious item, that may be a UXO, do not touch or disturb it. It has been there for many years, it will not hurt you if you do not disturb it. There are no known instances, in Australia where UXO have caused injuries except when they were deliberately and intentionally disturbed. Contact police they will arrange for military experts to attend and dispose of it. Defence recommends that all land usage and development, within these areas, may continue without any further UXO investigation or remediation."*

Based on this information, no further investigation of the UXO area within the site is considered warranted from a contamination stand point. DP agree with the JET 1999 report which recommended that subdivision approval should be conditional upon any contractors or workman being alerted to the possible presence of Unexploded ordinance and advised not to move any suspicious items but to call in qualified military personnel for identification and handling.

6. Site Inspection

A site walkover of the Bradcorp, Walker Corporation and Governors Hill land was undertaken by an environmental engineer from DP on the 3 - 5 June 2013. Photographs were taken during the site inspection and are presented in Appendix C and site features can be seen on Drawing 10, 11 and 12 Appendix B. PAEC were assessed and descriptive logs were completed which are presented in Appendix D.

During the inspection the following were noted:

Walker Corporation Land (Refer Drawing 10):

- Two residential buildings are located within the Walker site, consisting of brick construction and tiled roofing. The buildings are generally in a good condition.
- A shed with fenced-off horse area is located centrally within the northern lot. Gravels were imported and placed within the floor of the fenced-off area. A small stockpile of asphalt gravel was located within this area.
- Some filling was observed within drainage lines located within the Walker Corporation. Anthropogenic materials were observed within one drainage line refer Drawing 10.
- A small shed/building/structure adjacent to the southern residential building appeared to have corrugated asbestos roofing and walls.
- A water pipeline was observed running along the western boundary of the site with irrigation signs noted. The surface of this area appears to have been ploughed or reworked with broken PVC pipes being observed on the surface.
- The rail corridor appeared to be fenced-off and grass covered to the north of the site.

Governors Hills Land (refer Drawing 11):

- A derelict structure was observed within the site and adjacent to the western boundary, which was constructed from corrugated metal sheeting and timber. There was corrugated sheeting on the ground surface in the vicinity of the structure.
- Some minor fill (possibly only surface filling) was observed leading to a road underpass. The underpass links the western portion and eastern portion of the Governors Hill land with Picton Road running through the centre.
- Some concrete was observed within a creek line in the northern portion of the site.
- Minor filling was observed within a creek line and drainage line.

- A minor stockpile of anthropogenic materials were observed with some possible shallow filling within the vicinity of the stockpile.
- The airfield consists of multiple portable buildings and more than 20 caravans. The portable buildings were constructed with cladding and corrugated roofing.
- Two runways were observed in approximately perpendicular directions. It appears that some filling would have been required to achieve the current runway level.
- A 30 000 L above-ground storage tank (AST) of Jet Fuel was located adjacent to the runway within the airfield area. The Jet Fuel bowser is located approximately 20 m from the AST and a fuel odour was noted. Some minor staining was observed around the bowser.
- A 1000L diesel AST and generator were observed within the airfield area. Ground staining was observed around the AST.
- Two shipping containers (used for storage) were observed to the south of the Jet Fuel tank. Two 44 gallon drums of unleaded petrol were observed within one of the shipping containers. A ride on lawn mower was observed in the second.
- A toilet block and septic tanks were also observed within the airfield.
- An asphalt stockpile was noted to the south of the airfield.
- A landfill was observed on the northern side of the runway. Anthropogenic materials were observed within the landfill which included metal, plastic, concrete, tyres, wood and fibrous cement fragments (possibly asbestos-containing material).
- Two storage sheds, stockpiles and surface litter was observed in the vicinity of the landfill. The materials within the stockpile and surface litter consisted of building demolition, airplane parts and other anthropogenic materials.
- Four caravans in two locations were observed within the tree lines in the northern portion of the Governors Hills land. In one of the locations timber, plastic and scrap metal were spread on the surface.
- Some areas potentially had filling of a minor nature.
- Anthropogenic materials were observed within a dam with possible filling observed within drainage lines to the north-west and south-east of the dam.

Bradcorp Land (Refer Drawing 12):

- The site consists mainly of fenced paddocks with a cattle yard located within the centre of the site and a timber and metal corrugated shed on the south eastern boundary adjacent to the Hume Highway and bridge.
- A rail corridor runs through the Bradcorp Land with an access road running to the north where there is a partially constructed bridge. The bridge has been constructed on a large soil mound. Along the access road there are areas that have been excavated and it appears that the material excavated could have potentially been used to construct the earth mound for the bridge.
- A large stockpile of shale gravel was noted to the east of the rail corridor.
- A possible access track (ground disturbance) was observed within the south eastern corner of the Bradcorp Land. Observations suggest that cut and fill may have been undertaken.

- Four BHP Billiton exploration/monitoring locations were observed within the site.
- Some minor mounds of soil (<0.5 m high) were observed in the north of the site.
- Overhead power lines run in an east-west direction in the northern portion of the Bradcorp land.
- There were no signs of unexploded ordinances or indications that the site was used as a World War 2 Bombing Range.

6.1 Observations made from Geotechnical and Salinity Investigation

A geotechnical and salinity investigation was undertaken and, as part of the intrusive investigation, there were a total of 44 test pits excavated across the site (TP1 to TP44) to varying depths. Although environmental samples were not collected, observations were made during excavation to confirm the presence or absence of potential filling across the Site.

The locations of the test pits are shown on Drawing 2 in Appendix B.

The test pit logs are provided in Appendix F, together with notes defining classification methods and descriptive terms.

The pits encountered relatively uniform conditions underlying the site, with the succession of strata broadly summarised as follows:

- TOPSOIL – silty clayey topsoil, clayey silty topsoil, sandy silty clayey topsoil and silty topsoil encountered to depths of 0.1 – 0.5 m in all TP, with the exception of TP35;
- FILLING – clayey silt filling with some grass and igneous gravel was encountered to a depth of 0.3 m in TP35;
- CLAY/SILT – silty clays, sandy clays, shaly clays, clays, clayey silts and sandy silts were encountered to depths of 0.3 – 2.3 m in all pits with the exception of TP31 and TP42;
- BEDROCK – sandstone or shale was encountered in all pits to the depth of termination.

No free groundwater was observed in the test pits excavated. It is noted that the test pits were immediately backfilled on completion which precluded long term monitoring of groundwater levels.

7. Potential for Contamination

In the course of the site history investigations and site inspection 85 areas were identified as Potential Areas of Environmental Concern (PAEC). Each PAEC was described on a PAEC Identification & Inspection Log. Based on the investigation, each PAEC was reclassified as either an AEC (if evidence warranted) or not an AEC (areas which require no further investigation). These logs are included for reference in Appendix D. The logs contain detailed information regarding the investigations. Table 3 below lists the identified PAEC.

Potential areas of environmental concern were only identified from the parcels of land that were within the Bradcorp, Walker Corp, Governors Hill and the smaller landholders portions of the site. The parcels of land that were not examined for potential areas of environmental concern are the lend lease development area and the current Wilton township.

Table 3: Summary of Identified Potential Areas of Environmental Concern

| PAEC # | Identified from | Brief Description | Inspection Type | Outcome |
|--------|------------------------|---|-------------------------|------------------------|
| 1 | Historic Aerial - 1984 | Construction of Railway Bridge | Site Inspection | AEC |
| 2 | Historic Aerial - 2005 | Ground Disturbance | Outside Accessible Land | - |
| 3 | Historic Aerial - 1961 | Ground Disturbance | Outside Accessible Land | - |
| 4 | Historic Aerial - 1961 | Possible disturbance | Outside Accessible Land | - |
| 5 | Historic Aerial - 1975 | Ground Disturbance | Outside Accessible Land | - |
| 6 | Historic Aerial - 1975 | Ground Disturbance | Outside Accessible Land | - |
| 7 | Historic Aerial - 1984 | Ground Disturbance in relation to construction of Picton Road | Outside Accessible Land | - |
| 8 | Historic Aerial - 2005 | Ground Disturbance | Outside Accessible Land | - |
| 9 | Historic Aerial - 1961 | Ground Disturbance | Site Inspection | AEC |
| 10 | Historic Aerial - 1961 | Ground Disturbance | Outside Accessible Land | - |
| 11 | Historic Aerial - 1975 | Small Shed/demolished | Site Inspection | AEC |
| 12 | Historic Aerial - 1975 | Ground Disturbance | Site Inspection | AEC |
| 13 | Historic Aerial - 1975 | Dirt Track | Site Inspection | AEC |
| 14 | Historic Aerial - 1984 | Ground Disturbance Airport | Site Inspection | AEC |
| 15 | Historic Aerial - 1984 | previous road demolished | Site Inspection | AEC |
| 16 | Historic Aerial - 1984 | ground disturbance | Site Inspection | AEC |
| 17 | Historic Aerial - 1984 | ground disturbance | Site Inspection | AEC |
| 18 | Historic Aerial - 1984 | possible dam or disturbance | Site Inspection | Not AEC - Excavation |
| 19 | Historic Aerial - 1984 | ground disturbances or stockpiles | Site Inspection | Not AEC - Excavation |
| 20 | Historic Aerial - 1984 | stockpiles / storage of materials along access road | Site Inspection | Not AEC - Excavation |
| 21 | Historic Aerial - 1990 | ground disturbance noted in vicinity of airport | Site Inspection | AEC |
| 22 | Historic Aerial - 1984 | ground disturbance | Site Inspection | Not AEC - Dam |
| 23 | Historic Aerial - 2005 | ground disturbance | Site Inspection | Not AEC - Excavation |
| 24 | Historic Aerial - 2005 | ground disturbance along access road | Outside Accessible Land | - |
| 25 | Historic Aerial - 1955 | small ground disturbance | Site Inspection | AEC |
| 26 | Historic Aerial - 1961 | land clearing / logging | Outside Accessible Land | - |
| 27 | Historic Aerial - 1984 | Ground disturbance | Site Inspection | Not AEC – Gas Pipeline |
| 28 | Historic Aerial - 1961 | ground disturbance | Site Inspection | AEC |
| 29 | Historic Aerial - 1984 | ground disturbance | Outside Accessible Land | - |
| 30 | Historic Aerial - 1984 | ground disturbance | Outside Accessible Land | - |
| 31 | Historic Aerial - 1984 | ground disturbance adjacent to Hume highway | Outside Accessible Land | - |
| 32 | Historic Aerial - 1984 | ground disturbance adjacent to Hume highway | Outside Accessible Land | - |
| 33 | Historic Aerial - 1961 | Ground disturbance possibly from services | Outside Accessible Land | - |

| PAEC # | Identified from | Brief Description | Inspection Type | Outcome |
|--------|------------------------|---|-------------------------|--|
| 34 | Historic Aerial - 1961 | ground disturbance | Site inspection | AEC |
| 35 | Historic Aerial - 2005 | Oval racing track ground disturbance | Site Inspection | AEC |
| 36 | Historic Aerial - 1961 | land clearing / logging | Outside Accessible Land | - |
| 37 | Historic Aerial - 1975 | ground disturbance | Site Inspection | AEC |
| 38 | Historic Aerial - 1975 | ground disturbance | Site Inspection | AEC |
| 39 | Historic Aerial - 1975 | house / structure demolition | Outside Accessible Land | - |
| 40 | Historic Aerial - 1990 | possible market gardens | Outside Accessible Land | - |
| 41 | Historic Aerial - 1990 | ground disturbance possibly from construction of Picton Road | Site Inspection | AEC |
| 42 | Historic Aerial - 1955 | cleared land | Outside Accessible Land | - |
| 43 | Historic Aerial - 1955 | land clearing / logging | Site Inspection | AEC |
| 44 | Historic Aerial - 1961 | land clearing / logging | Site Inspection | Not AEC – No obvious signs of contamination from land clearing |
| 45 | Historic Aerial - 1961 | land clearing / logging | Site Inspection | Not AEC - No obvious signs of contamination from land clearing |
| 46 | Historic Aerial - 1961 | land clearing / logging | Site Inspection | Not AEC - No obvious signs of contamination from land clearing |
| 47 | Historic Aerial - 1961 | land clearing / logging | Site Inspection | Not AEC - No obvious signs of contamination from land clearing |
| 48 | Site Inspection | Possible filled gully and derelict bridge | - | AEC |
| 49 | Site Inspection | Possible area of fill, brick noted half buried with placed boulders on surface adjacent | - | AEC |
| 50 | Site Inspection | Homestead - brick and tile construction | - | Not AEC |
| 51 | Site Inspection | Metal portable horse stable with mounds of imported gravel being spread over site | - | AEC |
| 52 | Site Inspection | Machine Shed, with shipping containers, truck parked outside and small asphalt gravel stockpile | - | AEC |
| 53 | Site Inspection | Possibly lightly filled gully | - | AEC |
| 54 | Site Inspection | Ground disturbance possibly filled small dam | - | AEC |
| 55 | Site Inspection | Possible filled gully (logs observed on surface) | - | AEC |
| 56 | Site Inspection | Derelict structure | - | AEC |
| 57 | Site Inspection | Potential fill of unknown origin | - | AEC |
| 58 | Site Inspection | concrete observed within eroded gully/creek | - | AEC |
| 59 | Site Inspection | dam with what appears to be extra fill required for the dam wall/mounds | - | AEC |
| 60 | Site Inspection | filled gully / landfill with car bodies, white goods, engines, bricks and scrap metal observed | - | AEC |
| 61 | Site Inspection | reworked ground with broken PVC pipes in area of mine water irrigation | - | AEC |
| 62 | Site Inspection | cut to fill mounds for surface water detention | - | Not AEC |
| 63 | Site Inspection | Small scrap metal stockpile | - | AEC |

| PAEC # | Identified from | Brief Description | Inspection Type | Outcome |
|--------|-----------------|--|-----------------|---------|
| 64 | Site Inspection | Fibro building with asbestos roofing | - | AEC |
| 65 | Site Inspection | fill mounds with anthropogenic materials observed | - | AEC |
| 66 | Site Inspection | anthropogenic filling | - | AEC |
| 67 | Site Inspection | anthropogenic stockpile (timber tyres and scrap metal) | - | AEC |
| 68 | Site Inspection | stockpile of soil | - | AEC |
| 69 | Site Inspection | stockpile of soil | - | AEC |
| 70 | Site Inspection | Airfield Area - including Jet Fuel tank, Bowser, Shipping Containers with Fuel Storage within, Diesel AST with generator and staining on ground | - | AEC |
| 71 | Site Inspection | Crushed Asphalt stockpile | - | AEC |
| 72 | Site Inspection | possible area of minor fill (slightly raised area) 50 m x 30 m | - | AEC |
| 73 | Site Inspection | Minor filled creek with boulders observed and fencing material stockpiled adjacent. | - | AEC |
| 74 | Site Inspection | possible filled creek with cobbles and boulders observed on surface | - | AEC |
| 75 | Site Inspection | an "L" shaped soil mound (0.5 m high) within the PAEC 51 | - | AEC |
| 76 | Site Inspection | another soil mound within PAEC51 | - | AEC |
| 77 | Site Inspection | Dirt Ramp / mound observed | - | AEC |
| 78 | Site Inspection | small stockpile of soil | - | AEC |
| 79 | Site Inspection | stockpile of scrap metal | - | AEC |
| 80 | Site Inspection | access road within Governors hill (north of runway) had some fill in areas | - | AEC |
| 81 | Site Inspection | small fill mound with tyres observed on surface noted 20 m x 4 m | - | AEC |
| 82 | Site Inspection | anthropogenic material noted in and around dam with possible fill to the north and south of the dam within drainage line | - | AEC |
| 83 | Site Inspection | Anthropogenic material were observed on the ground surface in the vicinity of three caravans and consisted of timber, brick, tyres and some plastics | - | AEC |
| 84 | Site Inspection | possible fill area 10 m x 10 m | - | AEC |
| 85 | Site Inspection | Area of landfill, shipping containers and anthropogenic materials observed in stockpiles | - | AEC |

For the areas of the site that are owned by smaller landholders a desktop study was conducted and, as such, no site investigation was undertaken. As a result of the desktop study the identified PAEC within these areas were not inspected and remain PAEC. The PAEC that have been identified within the small landholder areas of the site are summarised in Table 4 and the location of each of the PAEC is shown on Drawing 13, Appendix B.

Table 4: Summary of Identified Potential Areas of Environmental Concern that Requires Site Inspection (Small Landholders)

| PAEC # | Identified from | Brief Description | Inspection Type |
|--------|------------------------|---|-------------------------|
| 2 | Historic Aerial - 2005 | Ground Disturbance | Outside Accessible Land |
| 3 | Historic Aerial - 1961 | Ground Disturbance | Outside Accessible Land |
| 4 | Historic Aerial - 1961 | Possible disturbance | Outside Accessible Land |
| 5 | Historic Aerial - 1975 | Ground Disturbance | Outside Accessible Land |
| 6 | Historic Aerial - 1975 | Ground Disturbance | Outside Accessible Land |
| 7 | Historic Aerial - 1984 | Ground Disturbance in relation to construction of Picton Road | Outside Accessible Land |
| 8 | Historic Aerial - 2005 | Ground Disturbance | Outside Accessible Land |
| 10 | Historic Aerial - 1961 | Ground Disturbance | Outside Accessible Land |
| 24 | Historic Aerial - 2005 | ground disturbance along access road | Outside Accessible Land |
| 26 | Historic Aerial - 1961 | land clearing / logging | Outside Accessible Land |
| 29 | Historic Aerial - 1984 | ground disturbance | Outside Accessible Land |
| 30 | Historic Aerial - 1984 | ground disturbance | Outside Accessible Land |
| 31 | Historic Aerial - 1984 | ground disturbance adjacent to Hume Highway | Outside Accessible Land |
| 32 | Historic Aerial - 1984 | ground disturbance adjacent to Hume Highway | Outside Accessible Land |
| 33 | Historic Aerial - 1961 | ground disturbance possibly from services | Outside Accessible Land |
| 36 | Historic Aerial - 1961 | land clearing / logging | Outside Accessible Land |
| 39 | Historic Aerial - 1975 | house / structure demolition | Outside Accessible Land |
| 40 | Historic Aerial - 1990 | possible market gardens | Outside Accessible Land |
| 42 | Historic Aerial - 1955 | cleared land | Outside Accessible Land |

The site history and inspection of the Bradcorp, Walker Corp and Governors Hill sites indicated that the sites had been primarily vacant and used for agricultural and rural residential purposes with the exception of the airfield and rail corridor. Following the investigation of each PAEC and inspection of the Bradcorp, Walker Corp and Governors Hill sites, the identified AEC within the Bradcorp, Walker Corp and Governors Hill sites are summarised in Table 5 together with an assessment of the potential contamination associated with each AEC. The location of each of the AEC is shown on Drawing 13, Appendix B.

Table 5: Summary of Identified Areas of Environmental Concern

| AEC # | PAEC# | Brief Description | Contaminants of Concern |
|-------|-------|--------------------------------|--|
| 1 | 1 | Construction of Railway Bridge | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 2 | 9 | Ground Disturbance | Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH and asbestos |
| 3 | 11 | Small Shed/demolished | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 4 | 12 | Ground Disturbance / Runway | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 5 | 13 | Dirt Track | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 6 | 14 | Runway | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |

| AEC # | PAEC# | Brief Description | Contaminants of Concern |
|--------------|--------------|---|--|
| 7 | 15 | previous road demolished | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 8 | 16 | ground disturbance | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 9 | 17 | Stockpile | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 10 | 21 | Runway | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 11 | 25 | small ground disturbance | Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH and asbestos |
| 12 | 28 | ground disturbance | Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH and asbestos |
| 13 | 34 | ground disturbance | Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH and asbestos |
| 14 | 35 | Oval racing track ground disturbance | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 15 | 37 | ground disturbance | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 16 | 38 | ground disturbance | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 17 | 41 | ground disturbance possibly from construction of Picton Road | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 18 | 48 | Possible filled gully and derelict bridge | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 19 | 49 | Possible area of fill, brick noted half buried with placed boulders on surface adjacent | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 20 | 51 | Metal portable fencing with mounds of imported gravel being spread over site | Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH and asbestos |
| 21 | 52 | Machine Shed, with shipping containers, truck parked outside and small asphalt gravel stockpile | Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH and asbestos |
| 22 | 53 | Possibly lightly filled gully | Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH and asbestos |
| 23 | 54 | Ground disturbance possibly filled small dam | Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH and asbestos |
| 24 | 55 | Possible filled gully (logs observed on surface) | Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH and asbestos |
| 25 | 56 | Derelict structure | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 26 | 57 | Potential fill of unknown origin | Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH and asbestos |
| 27 | 58 | concrete observed within eroded gully/creek | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 28 | 59 | dam with what appears to be extra fill within the dam wall/mounds | Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH and asbestos |
| 29 | 60 | filled gully / landfill with car bodies, white goods, engines, bricks and scrap metal observed | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 30 | 61 | Mine Water Irrigation Area - reworked ground with broken PVC pipes observed | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 31 | 63 | Small scrap metal stockpile | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 32 | 64 | Fibro building with asbestos roofing | Lead, asbestos |
| 33 | 65 | fill mounds with anthropogenic materials observed | Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH and asbestos |

| AEC # | PAEC# | Brief Description | Contaminants of Concern |
|--------------|--------------|--|--|
| 34 | 66 | anthropogenic filling | Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH and asbestos |
| 35 | 67 | anthropogenic stockpile (timber tyres and scrap metal) | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 36 | 68 | stockpile of soil | Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH and asbestos |
| 37 | 69 | stockpile of soil | Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH and asbestos |
| 38 | 70 | Airfield Area - including Jet Fuel tank, Jet Fuel Bowser, Shipping Containers with Fuel Storage, Diesel AST with generator and staining on ground | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 39 | 71 | Crushed Asphalt stockpile | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 40 | 72 | possible area of minor fill (slightly raised area) 50 m x 30 m | Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH and asbestos |
| 41 | 73 | Minor filled creek with boulders observed and fencing material stockpiled adjacent. | Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH and asbestos |
| 42 | 74 | possible filled creek with cobbles and boulders observed on surface | Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH and asbestos |
| 43 | 75 | an "L" shaped soil mound (0.5 m high) within the PAEC 51 | Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH and asbestos |
| 44 | 76 | another soil mound within PAEC51 | Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH and asbestos |
| 45 | 77 | Dirt Ramp / mound observed | Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH and asbestos |
| 46 | 78 | small stockpile of soil | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 47 | 79 | stockpile of scrap metal | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 48 | 80 | access road within Governors Hill (north of runway) had some fill in areas | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 49 | 81 | small fill mound with tyres observed on surface noted 20 m x 4 m | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |
| 50 | 82 | anthropogenic material noted in and around dam with possible fill to the north and south of the dam within drainage line | Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH and asbestos |
| 51 | 83 | Anthropogenic material were observed on the ground surface in the vicinity of three caravans and consisted of timber, brick, tyres and some plastics | Heavy metals, TRH, BTEX PCB, PAH and asbestos |
| 52 | 84 | possible fill area 10 m x 10 m | Heavy metals, TRH, BTEX, OCP, OPP, PCB, PAH and asbestos |
| 53 | 85 | Area of landfill, shipping containers and anthropogenic materials observed in stockpiles | Heavy metals, TRH, BTEX, PCB, PAH and asbestos |

Notes:

Where: Heavy Metals = priority heavy metals viz: arsenic (As), cadmium (Cd), chromium (Cr), copper (Cu), lead (Pb), mercury (Hg), nickel (Ni) and zinc (Zn).

TPH = Total Petroleum Hydrocarbons.

BTEX = Benzene, Toluene, Ethylbenzene and Xylenes.

PAH = Polycyclic Aromatic Hydrocarbons.

OCP = Organochlorine pesticides

OPP = Organophosphorous pesticides.

Asb = Asbestos.

8. Conclusions and Recommendations

The aim of this assessment was to provide a preliminary evaluation of the contamination status of the Site and its suitability, from a contamination standpoint, for the proposed residential rezoning which includes some open space and commercial areas. Based on the obtained information, it is considered that the potential for significant contamination at the Site is low; however, further investigation is warranted for the AEC as shown in Section 7. In addition, low density sampling of the remaining residential area (excluding AEC), is recommended to confirm the contamination status of the Site as no surface or subsurface sampling was conducted by DP to confirm the soil conditions. The additional detailed investigation should be undertaken in advance of any development applications for the subdivision or bulk earthworks.

Additionally, DP recommends that subdivision approval within the UXO area should be conditional upon any contractors or workmen being alerted to the possible presence of UXO and advised not to move any suspicious items but to call in qualified military personnel for identification and handling. Notwithstanding, a military researcher and munitions expert should review our recommendation in advance of any development applications for subdivision or bulk earthworks.

Based on the findings of this preliminary contamination assessment, potential groundwater contamination is not considered to be significant unless soil contamination is found within the AEC or within the background area. If significant contamination is identified then a groundwater investigation may be required.

It is considered that the site can be rezoned for the proposed residential subdivision from a contamination perspective. Further investigation as described above and remediation, as required, should be undertaken prior to subdivision.

9. Limitations

Douglas Partners Pty Ltd (DP) has prepared this report for a project at Wilton Junction, Wilton, NSW in accordance with DP's proposal SYD130344 and acceptance received from Mr Brian Elton of Elton Consulting Pty Ltd, client's representative, on 3 May 2013, on behalf of Wilton Junction Landowners Group. The report is provided for the exclusive use of Elton Consulting Pty Ltd for this project only and for the purpose(s) described in the report. It should not be used for other projects or by a third party. In preparing this report DP has necessarily relied upon information provided by the client and/or their agents.

The results provided in the report are indicative of the sub-surface conditions only at the specific sampling or testing locations, and then only to the depths investigated and at the time the work was carried out. Sub-surface conditions can change abruptly due to variable geological processes and also as a result of anthropogenic influences. Such changes may occur after DP's field testing has been completed.

DP's advice is based upon the conditions encountered during this investigation. The accuracy of the advice provided by DP in this report may be limited by undetected variations in ground conditions between sampling locations. The advice may also be limited by budget constraints imposed by others or by site accessibility.

This report must be read in conjunction with all of the attached notes and should be kept in its entirety without separation of individual pages or sections. DP cannot be held responsible for interpretations or conclusions made by others unless they are supported by an expressed statement, interpretation, outcome or conclusion given in this report.

Douglas Partners Pty Ltd

Appendix A

About this Report

About this Report

Douglas Partners



Introduction

These notes have been provided to amplify DP's report in regard to classification methods, field procedures and the comments section. Not all are necessarily relevant to all reports.

DP's reports are based on information gained from limited subsurface excavations and sampling, supplemented by knowledge of local geology and experience. For this reason, they must be regarded as interpretive rather than factual documents, limited to some extent by the scope of information on which they rely.

Copyright

This report is the property of Douglas Partners Pty Ltd. The report may only be used for the purpose for which it was commissioned and in accordance with the Conditions of Engagement for the commission supplied at the time of proposal. Unauthorised use of this report in any form whatsoever is prohibited.

Borehole and Test Pit Logs

The borehole and test pit logs presented in this report are an engineering and/or geological interpretation of the subsurface conditions, and their reliability will depend to some extent on frequency of sampling and the method of drilling or excavation. Ideally, continuous undisturbed sampling or core drilling will provide the most reliable assessment, but this is not always practicable or possible to justify on economic grounds. In any case the boreholes and test pits represent only a very small sample of the total subsurface profile.

Interpretation of the information and its application to design and construction should therefore take into account the spacing of boreholes or pits, the frequency of sampling, and the possibility of other than 'straight line' variations between the test locations.

Groundwater

Where groundwater levels are measured in boreholes there are several potential problems, namely:

- In low permeability soils groundwater may enter the hole very slowly or perhaps not at all during the time the hole is left open;

- A localised, perched water table may lead to an erroneous indication of the true water table;
- Water table levels will vary from time to time with seasons or recent weather changes. They may not be the same at the time of construction as are indicated in the report; and
- The use of water or mud as a drilling fluid will mask any groundwater inflow. Water has to be blown out of the hole and drilling mud must first be washed out of the hole if water measurements are to be made.

More reliable measurements can be made by installing standpipes which are read at intervals over several days, or perhaps weeks for low permeability soils. Piezometers, sealed in a particular stratum, may be advisable in low permeability soils or where there may be interference from a perched water table.

Reports

The report has been prepared by qualified personnel, is based on the information obtained from field and laboratory testing, and has been undertaken to current engineering standards of interpretation and analysis. Where the report has been prepared for a specific design proposal, the information and interpretation may not be relevant if the design proposal is changed. If this happens, DP will be pleased to review the report and the sufficiency of the investigation work.

Every care is taken with the report as it relates to interpretation of subsurface conditions, discussion of geotechnical and environmental aspects, and recommendations or suggestions for design and construction. However, DP cannot always anticipate or assume responsibility for:

- Unexpected variations in ground conditions. The potential for this will depend partly on borehole or pit spacing and sampling frequency;
- Changes in policy or interpretations of policy by statutory authorities; or
- The actions of contractors responding to commercial pressures.

If these occur, DP will be pleased to assist with investigations or advice to resolve the matter.

About this Report

Site Anomalies

In the event that conditions encountered on site during construction appear to vary from those which were expected from the information contained in the report, DP requests that it be immediately notified. Most problems are much more readily resolved when conditions are exposed rather than at some later stage, well after the event.

Information for Contractual Purposes

Where information obtained from this report is provided for tendering purposes, it is recommended that all information, including the written report and discussion, be made available. In circumstances where the discussion or comments section is not relevant to the contractual situation, it may be appropriate to prepare a specially edited document. DP would be pleased to assist in this regard and/or to make additional report copies available for contract purposes at a nominal charge.

Site Inspection

The company will always be pleased to provide engineering inspection services for geotechnical and environmental aspects of work to which this report is related. This could range from a site visit to confirm that conditions exposed are as expected, to full time engineering presence on site.



Sampling

Sampling is carried out during drilling or test pitting to allow engineering examination (and laboratory testing where required) of the soil or rock.

Disturbed samples taken during drilling provide information on colour, type, inclusions and, depending upon the degree of disturbance, some information on strength and structure.

Undisturbed samples are taken by pushing a thin-walled sample tube into the soil and withdrawing it to obtain a sample of the soil in a relatively undisturbed state. Such samples yield information on structure and strength, and are necessary for laboratory determination of shear strength and compressibility. Undisturbed sampling is generally effective only in cohesive soils.

Test Pits

Test pits are usually excavated with a backhoe or an excavator, allowing close examination of the in-situ soil if it is safe to enter into the pit. The depth of excavation is limited to about 3 m for a backhoe and up to 6 m for a large excavator. A potential disadvantage of this investigation method is the larger area of disturbance to the site.

Large Diameter Augers

Boreholes can be drilled using a rotating plate or short spiral auger, generally 300 mm or larger in diameter commonly mounted on a standard piling rig. The cuttings are returned to the surface at intervals (generally not more than 0.5 m) and are disturbed but usually unchanged in moisture content. Identification of soil strata is generally much more reliable than with continuous spiral flight augers, and is usually supplemented by occasional undisturbed tube samples.

Continuous Spiral Flight Augers

The borehole is advanced using 90-115 mm diameter continuous spiral flight augers which are withdrawn at intervals to allow sampling or in-situ testing. This is a relatively economical means of drilling in clays and sands above the water table. Samples are returned to the surface, or may be collected after withdrawal of the auger flights, but they are disturbed and may be mixed with soils from the sides of the hole. Information from the drilling (as distinct from specific sampling by SPTs or undisturbed samples) is of relatively low

reliability, due to the remoulding, possible mixing or softening of samples by groundwater.

Non-core Rotary Drilling

The borehole is advanced using a rotary bit, with water or drilling mud being pumped down the drill rods and returned up the annulus, carrying the drill cuttings. Only major changes in stratification can be determined from the cuttings, together with some information from the rate of penetration. Where drilling mud is used this can mask the cuttings and reliable identification is only possible from separate sampling such as SPTs.

Continuous Core Drilling

A continuous core sample can be obtained using a diamond tipped core barrel, usually with a 50 mm internal diameter. Provided full core recovery is achieved (which is not always possible in weak rocks and granular soils), this technique provides a very reliable method of investigation.

Standard Penetration Tests

Standard penetration tests (SPT) are used as a means of estimating the density or strength of soils and also of obtaining a relatively undisturbed sample. The test procedure is described in Australian Standard 1289, Methods of Testing Soils for Engineering Purposes - Test 6.3.1.

The test is carried out in a borehole by driving a 50 mm diameter split sample tube under the impact of a 63 kg hammer with a free fall of 760 mm. It is normal for the tube to be driven in three successive 150 mm increments and the 'N' value is taken as the number of blows for the last 300 mm. In dense sands, very hard clays or weak rock, the full 450 mm penetration may not be practicable and the test is discontinued.

The test results are reported in the following form.

- In the case where full penetration is obtained with successive blow counts for each 150 mm of, say, 4, 6 and 7 as:
4,6,7
N=13
- In the case where the test is discontinued before the full penetration depth, say after 15 blows for the first 150 mm and 30 blows for the next 40 mm as:
15, 30/40 mm

Sampling Methods

The results of the SPT tests can be related empirically to the engineering properties of the soils.

Dynamic Cone Penetrometer Tests / Perth Sand Penetrometer Tests

Dynamic penetrometer tests (DCP or PSP) are carried out by driving a steel rod into the ground using a standard weight of hammer falling a specified distance. As the rod penetrates the soil the number of blows required to penetrate each successive 150 mm depth are recorded. Normally there is a depth limitation of 1.2 m, but this may be extended in certain conditions by the use of extension rods. Two types of penetrometer are commonly used.

- Perth sand penetrometer - a 16 mm diameter flat ended rod is driven using a 9 kg hammer dropping 600 mm (AS 1289, Test 6.3.3). This test was developed for testing the density of sands and is mainly used in granular soils and filling.
- Cone penetrometer - a 16 mm diameter rod with a 20 mm diameter cone end is driven using a 9 kg hammer dropping 510 mm (AS 1289, Test 6.3.2). This test was developed initially for pavement subgrade investigations, and correlations of the test results with California Bearing Ratio have been published by various road authorities.

Symbols & Abbreviations

Douglas Partners



Introduction

These notes summarise abbreviations commonly used on borehole logs and test pit reports.

Drilling or Excavation Methods

| | |
|------|--------------------------|
| C | Core Drilling |
| R | Rotary drilling |
| SFA | Spiral flight augers |
| NMLC | Diamond core - 52 mm dia |
| NQ | Diamond core - 47 mm dia |
| HQ | Diamond core - 63 mm dia |
| PQ | Diamond core - 81 mm dia |

Water

| | |
|---|-------------|
| ▷ | Water seep |
| ▽ | Water level |

Sampling and Testing

| | |
|-----------------|--------------------------------|
| A | Auger sample |
| B | Bulk sample |
| D | Disturbed sample |
| E | Environmental sample |
| U ₅₀ | Undisturbed tube sample (50mm) |
| W | Water sample |
| pp | pocket penetrometer (kPa) |
| PID | Photo ionisation detector |
| PL | Point load strength Is(50) MPa |
| S | Standard Penetration Test |
| V | Shear vane (kPa) |

Description of Defects in Rock

The abbreviated descriptions of the defects should be in the following order: Depth, Type, Orientation, Coating, Shape, Roughness and Other. Drilling and handling breaks are not usually included on the logs.

Defect Type

| | |
|-----|-----------------|
| B | Bedding plane |
| Cs | Clay seam |
| Cv | Cleavage |
| Cz | Crushed zone |
| Ds | Decomposed seam |
| F | Fault |
| J | Joint |
| Lam | lamination |
| Pt | Parting |
| Sz | Sheared Zone |
| V | Vein |

Orientation

The inclination of defects is always measured from the perpendicular to the core axis.

| | |
|----|----------------|
| h | horizontal |
| v | vertical |
| sh | sub-horizontal |
| sv | sub-vertical |

Coating or Infilling Term

| | |
|-----|----------|
| cln | clean |
| co | coating |
| he | healed |
| inf | infilled |
| stn | stained |
| ti | tight |
| vn | veneer |

Coating Descriptor

| | |
|-----|--------------|
| ca | calcite |
| cbs | carbonaceous |
| cly | clay |
| fe | iron oxide |
| mn | manganese |
| slt | silty |

Shape

| | |
|----|------------|
| cu | curved |
| ir | irregular |
| pl | planar |
| st | stepped |
| un | undulating |

Roughness

| | |
|----|--------------|
| po | polished |
| ro | rough |
| sl | slickensided |
| sm | smooth |
| vr | very rough |

Other

| | |
|-----|------------|
| fg | fragmented |
| bnd | band |
| qtz | quartz |

Symbols & Abbreviations

Graphic Symbols for Soil and Rock

General



Asphalt



Road base



Concrete



Filling

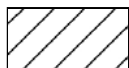
Soils



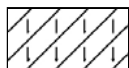
Topsoil



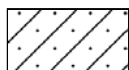
Peat



Clay



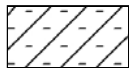
Silty clay



Sandy clay



Gravelly clay



Shaly clay



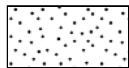
Silt



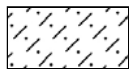
Clayey silt



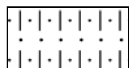
Sandy silt



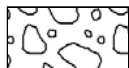
Sand



Clayey sand



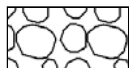
Silty sand



Gravel



Sandy gravel

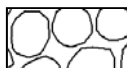


Cobbles, boulders



Talus

Sedimentary Rocks



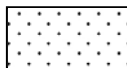
Boulder conglomerate



Conglomerate



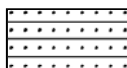
Conglomeratic sandstone



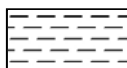
Sandstone



Siltstone



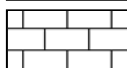
Laminite



Mudstone, claystone, shale

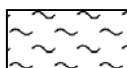


Coal

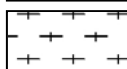


Limestone

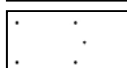
Metamorphic Rocks



Slate, phyllite, schist

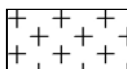


Gneiss

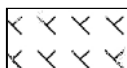


Quartzite

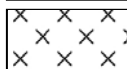
Igneous Rocks



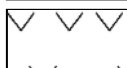
Granite



Dolerite, basalt, andesite



Dacite, epidote



Tuff, breccia



Porphyry



Description and Classification Methods

The methods of description and classification of soils and rocks used in this report are based on Australian Standard AS 1726, Geotechnical Site Investigations Code. In general, the descriptions include strength or density, colour, structure, soil or rock type and inclusions.

Soil Types

Soil types are described according to the predominant particle size, qualified by the grading of other particles present:

| Type | Particle size (mm) |
|---------|--------------------|
| Boulder | >200 |
| Cobble | 63 - 200 |
| Gravel | 2.36 - 63 |
| Sand | 0.075 - 2.36 |
| Silt | 0.002 - 0.075 |
| Clay | <0.002 |

The sand and gravel sizes can be further subdivided as follows:

| Type | Particle size (mm) |
|---------------|--------------------|
| Coarse gravel | 20 - 63 |
| Medium gravel | 6 - 20 |
| Fine gravel | 2.36 - 6 |
| Coarse sand | 0.6 - 2.36 |
| Medium sand | 0.2 - 0.6 |
| Fine sand | 0.075 - 0.2 |

The proportions of secondary constituents of soils are described as:

| Term | Proportion | Example |
|-----------------|------------|---------------------------|
| And | Specify | Clay (60%) and Sand (40%) |
| Adjective | 20 - 35% | Sandy Clay |
| Slightly | 12 - 20% | Slightly Sandy Clay |
| With some | 5 - 12% | Clay with some sand |
| With a trace of | 0 - 5% | Clay with a trace of sand |

Definitions of grading terms used are:

- Well graded - a good representation of all particle sizes
- Poorly graded - an excess or deficiency of particular sizes within the specified range
- Uniformly graded - an excess of a particular particle size
- Gap graded - a deficiency of a particular particle size with the range

Cohesive Soils

Cohesive soils, such as clays, are classified on the basis of undrained shear strength. The strength may be measured by laboratory testing, or estimated by field tests or engineering examination. The strength terms are defined as follows:

| Description | Abbreviation | Undrained shear strength (kPa) |
|-------------|--------------|--------------------------------|
| Very soft | vs | <12 |
| Soft | s | 12 - 25 |
| Firm | f | 25 - 50 |
| Stiff | st | 50 - 100 |
| Very stiff | vst | 100 - 200 |
| Hard | h | >200 |

Cohesionless Soils

Cohesionless soils, such as clean sands, are classified on the basis of relative density, generally from the results of standard penetration tests (SPT), cone penetration tests (CPT) or dynamic penetrometers (PSP). The relative density terms are given below:

| Relative Density | Abbreviation | SPT N value | CPT qc value (MPa) |
|------------------|--------------|-------------|--------------------|
| Very loose | vl | <4 | <2 |
| Loose | l | 4 - 10 | 2 - 5 |
| Medium dense | md | 10 - 30 | 5 - 15 |
| Dense | d | 30 - 50 | 15 - 25 |
| Very dense | vd | >50 | >25 |

Soil Descriptions

Soil Origin

It is often difficult to accurately determine the origin of a soil. Soils can generally be classified as:

- Residual soil - derived from in-situ weathering of the underlying rock;
- Transported soils - formed somewhere else and transported by nature to the site; or
- Filling - moved by man.

Transported soils may be further subdivided into:

- Alluvium - river deposits
- Lacustrine - lake deposits
- Aeolian - wind deposits
- Littoral - beach deposits
- Estuarine - tidal river deposits
- Talus - scree or coarse colluvium
- Slopewash or Colluvium - transported downslope by gravity assisted by water. Often includes angular rock fragments and boulders.



Rock Strength

Rock strength is defined by the Point Load Strength Index ($Is_{(50)}$) and refers to the strength of the rock substance and not the strength of the overall rock mass, which may be considerably weaker due to defects. The test procedure is described by Australian Standard 4133.4.1 - 1993. The terms used to describe rock strength are as follows:

| Term | Abbreviation | Point Load Index $Is_{(50)}$ MPa | Approx Unconfined Compressive Strength MPa* |
|----------------|--------------|-------------------------------------|--|
| Extremely low | EL | <0.03 | <0.6 |
| Very low | VL | 0.03 - 0.1 | 0.6 - 2 |
| Low | L | 0.1 - 0.3 | 2 - 6 |
| Medium | M | 0.3 - 1.0 | 6 - 20 |
| High | H | 1 - 3 | 20 - 60 |
| Very high | VH | 3 - 10 | 60 - 200 |
| Extremely high | EH | >10 | >200 |

* Assumes a ratio of 20:1 for UCS to $Is_{(50)}$

Degree of Weathering

The degree of weathering of rock is classified as follows:

| Term | Abbreviation | Description |
|----------------------|--------------|--|
| Extremely weathered | EW | Rock substance has soil properties, i.e. it can be remoulded and classified as a soil but the texture of the original rock is still evident. |
| Highly weathered | HW | Limonite staining or bleaching affects whole of rock substance and other signs of decomposition are evident. Porosity and strength may be altered as a result of iron leaching or deposition. Colour and strength of original fresh rock is not recognisable |
| Moderately weathered | MW | Staining and discolouration of rock substance has taken place |
| Slightly weathered | SW | Rock substance is slightly discoloured but shows little or no change of strength from fresh rock |
| Fresh stained | Fs | Rock substance unaffected by weathering but staining visible along defects |
| Fresh | Fr | No signs of decomposition or staining |

Degree of Fracturing

The following classification applies to the spacing of natural fractures in diamond drill cores. It includes bedding plane partings, joints and other defects, but excludes drilling breaks.

| Term | Description |
|--------------------|---|
| Fragmented | Fragments of <20 mm |
| Highly Fractured | Core lengths of 20-40 mm with some fragments |
| Fractured | Core lengths of 40-200 mm with some shorter and longer sections |
| Slightly Fractured | Core lengths of 200-1000 mm with some shorter and longer sections |
| Unbroken | Core lengths mostly > 1000 mm |

Rock Descriptions

Rock Quality Designation

The quality of the cored rock can be measured using the Rock Quality Designation (RQD) index, defined as:

$$\text{RQD \%} = \frac{\text{cumulative length of 'sound' core sections} \geq 100 \text{ mm long}}{\text{total drilled length of section being assessed}}$$

where 'sound' rock is assessed to be rock of low strength or better. The RQD applies only to natural fractures. If the core is broken by drilling or handling (i.e. drilling breaks) then the broken pieces are fitted back together and are not included in the calculation of RQD.

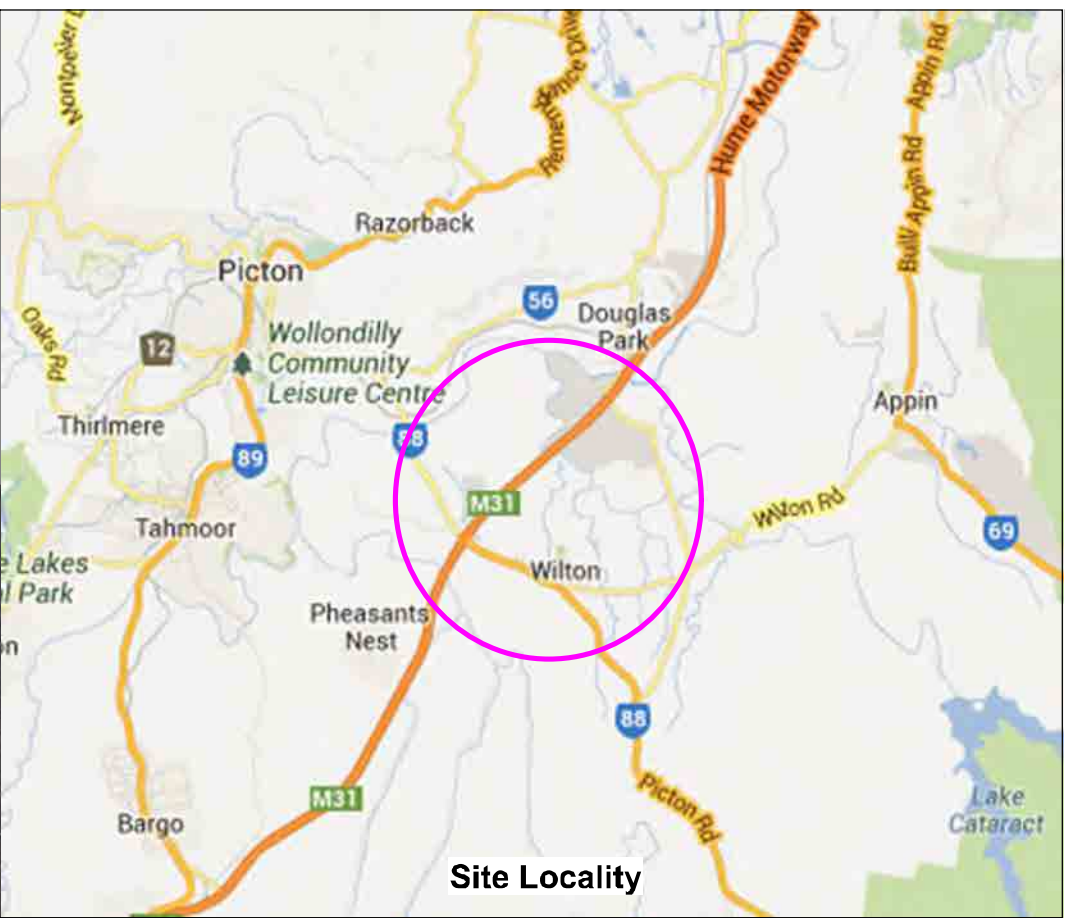
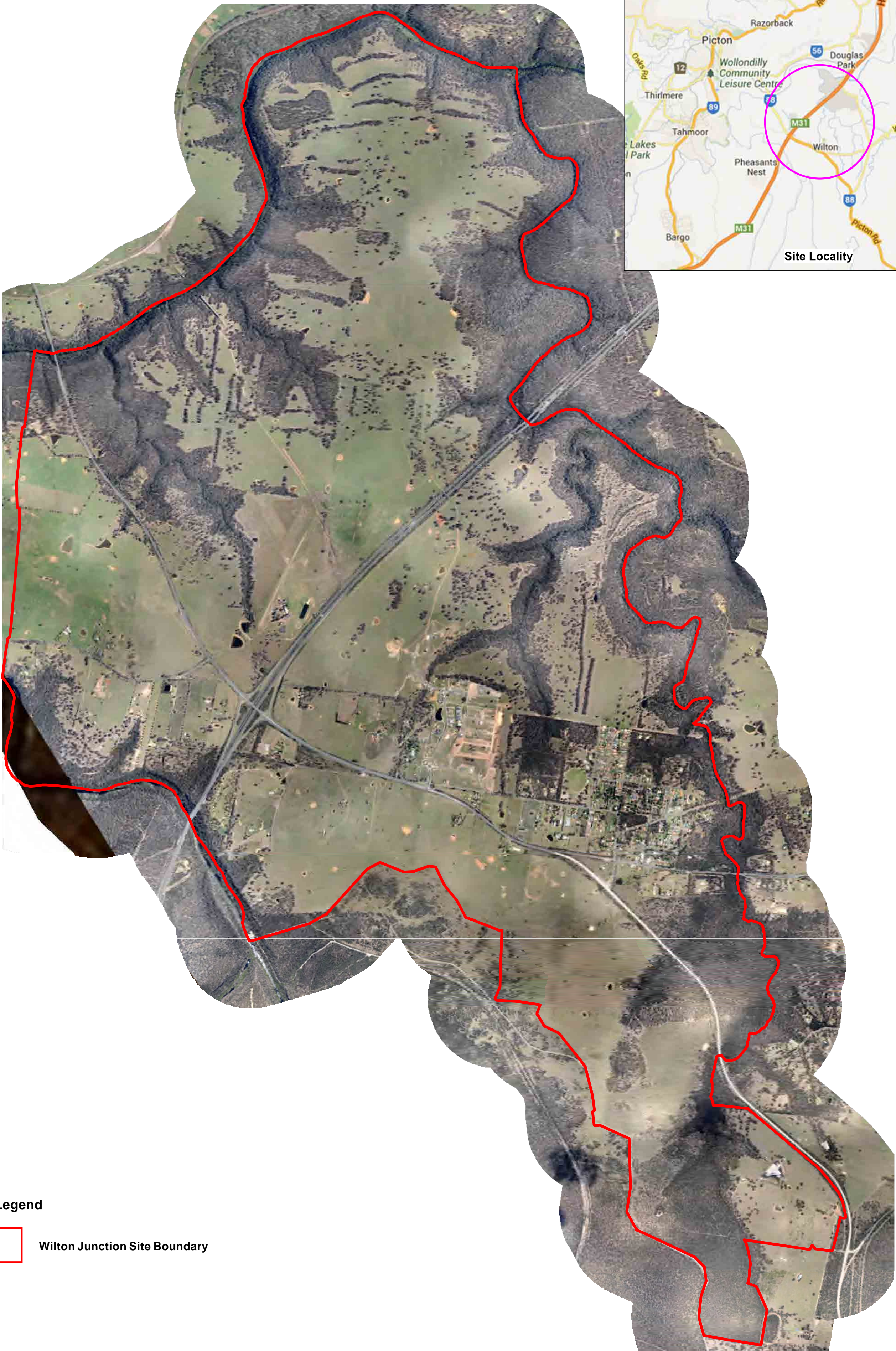
Stratification Spacing

For sedimentary rocks the following terms may be used to describe the spacing of bedding partings:

| Term | Separation of Stratification Planes |
|---------------------|-------------------------------------|
| Thinly laminated | < 6 mm |
| Laminated | 6 mm to 20 mm |
| Very thinly bedded | 20 mm to 60 mm |
| Thinly bedded | 60 mm to 0.2 m |
| Medium bedded | 0.2 m to 0.6 m |
| Thickly bedded | 0.6 m to 2 m |
| Very thickly bedded | > 2 m |

Appendix B

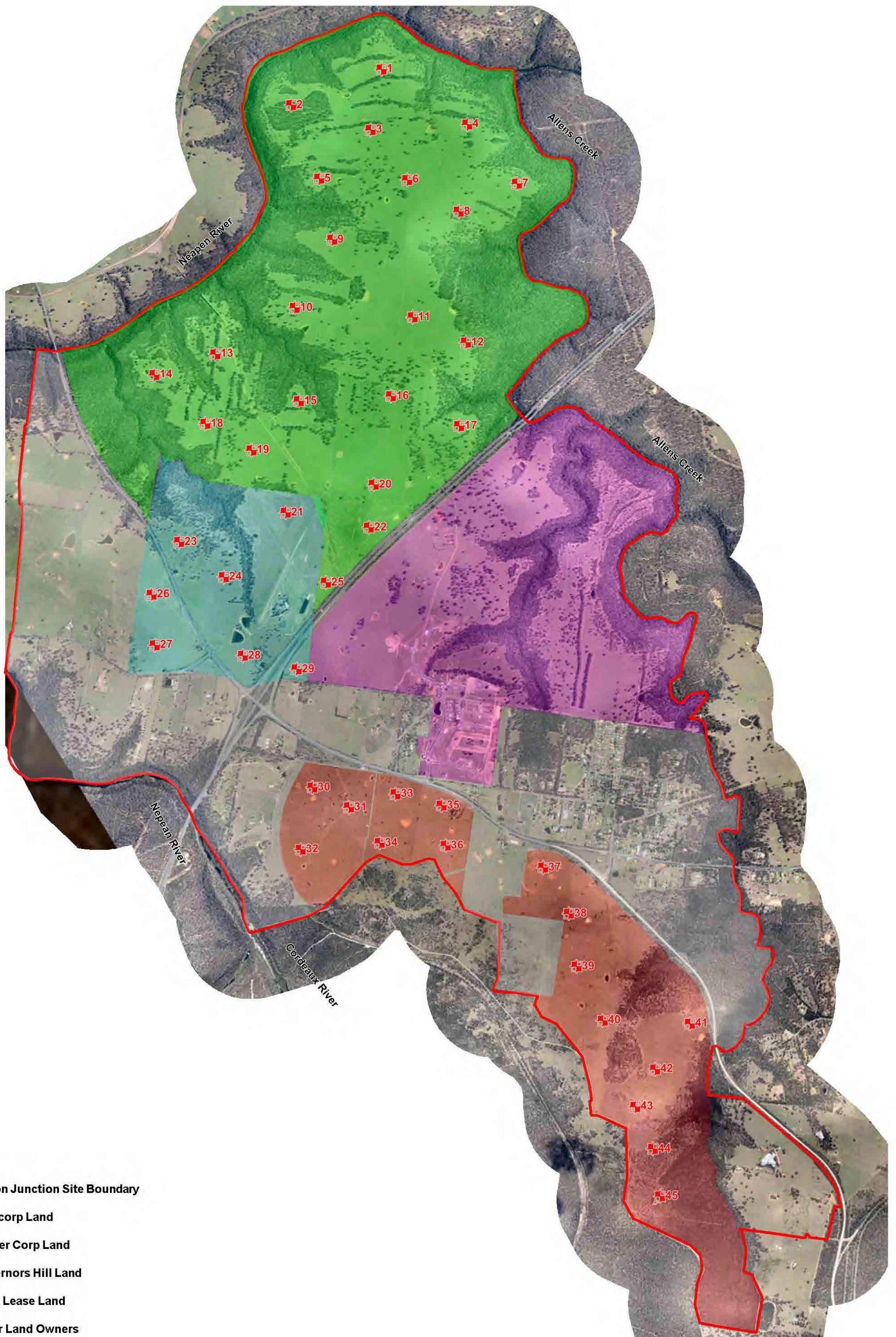
Drawings



Legend

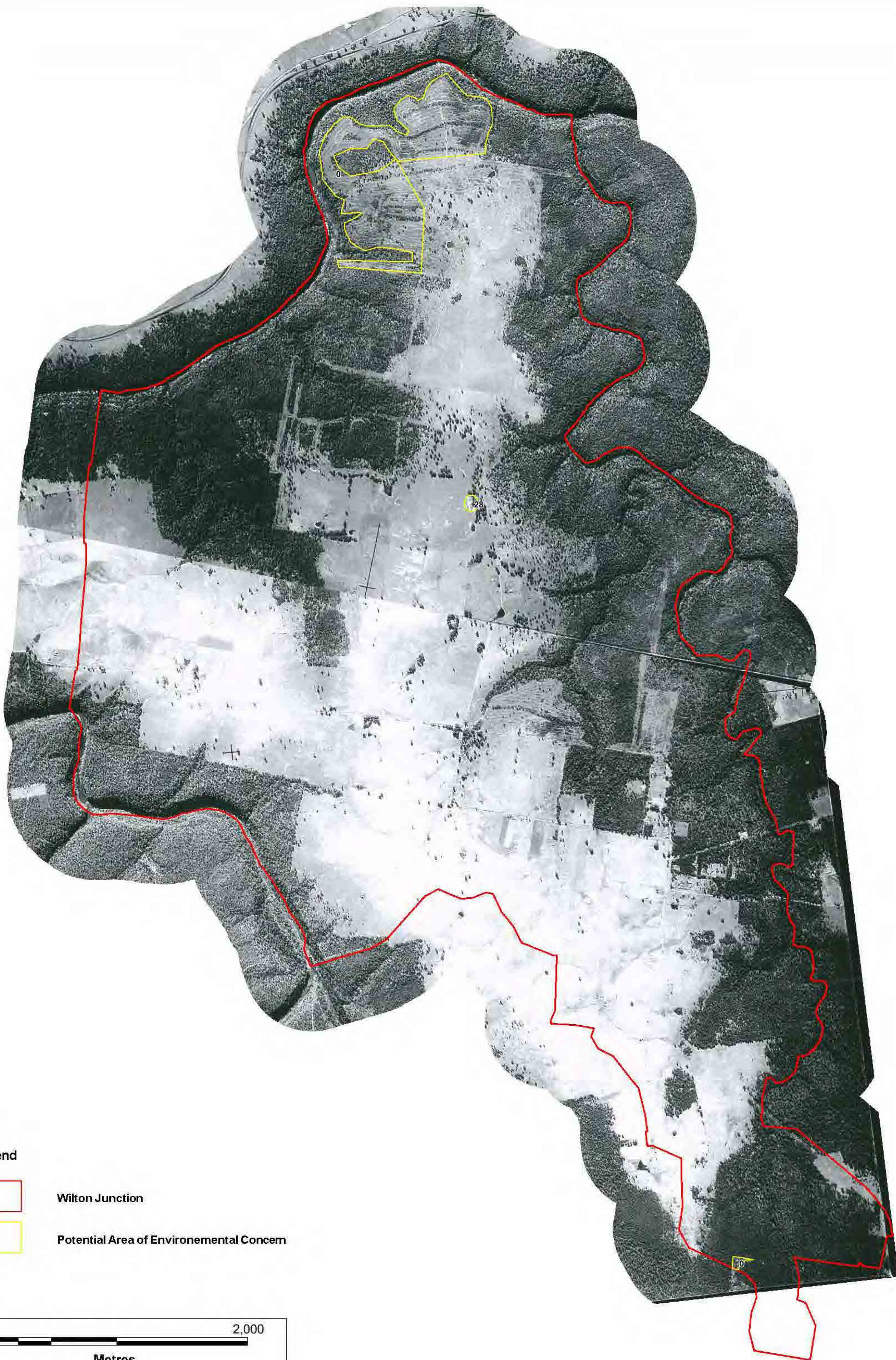


Wilton Junction Site Boundary



Legend

- Wilton Junction Site Boundary
- Bradcorp Land
- Walker Corp Land
- Governors Hill Land
- Lend Lease Land
- Other Land Owners
- Test Pit Locations



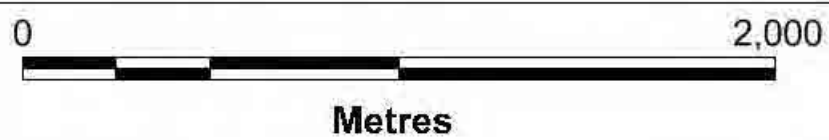
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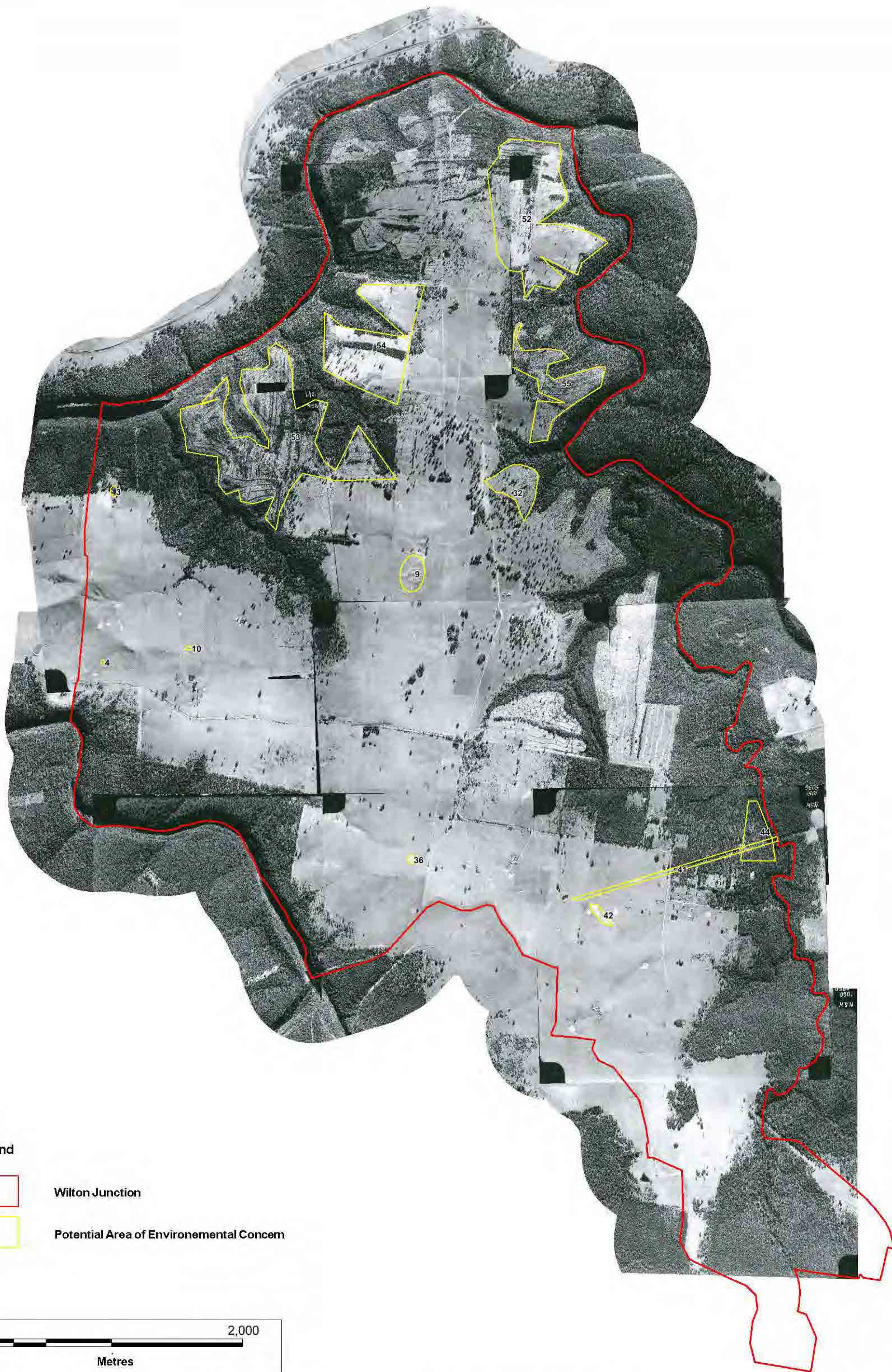


Wilton Junction



Potential Area of Environmental Concern





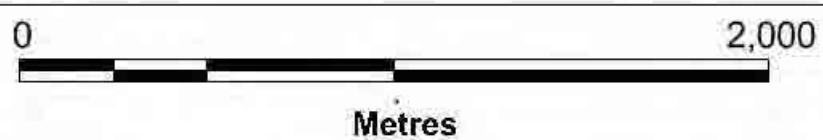
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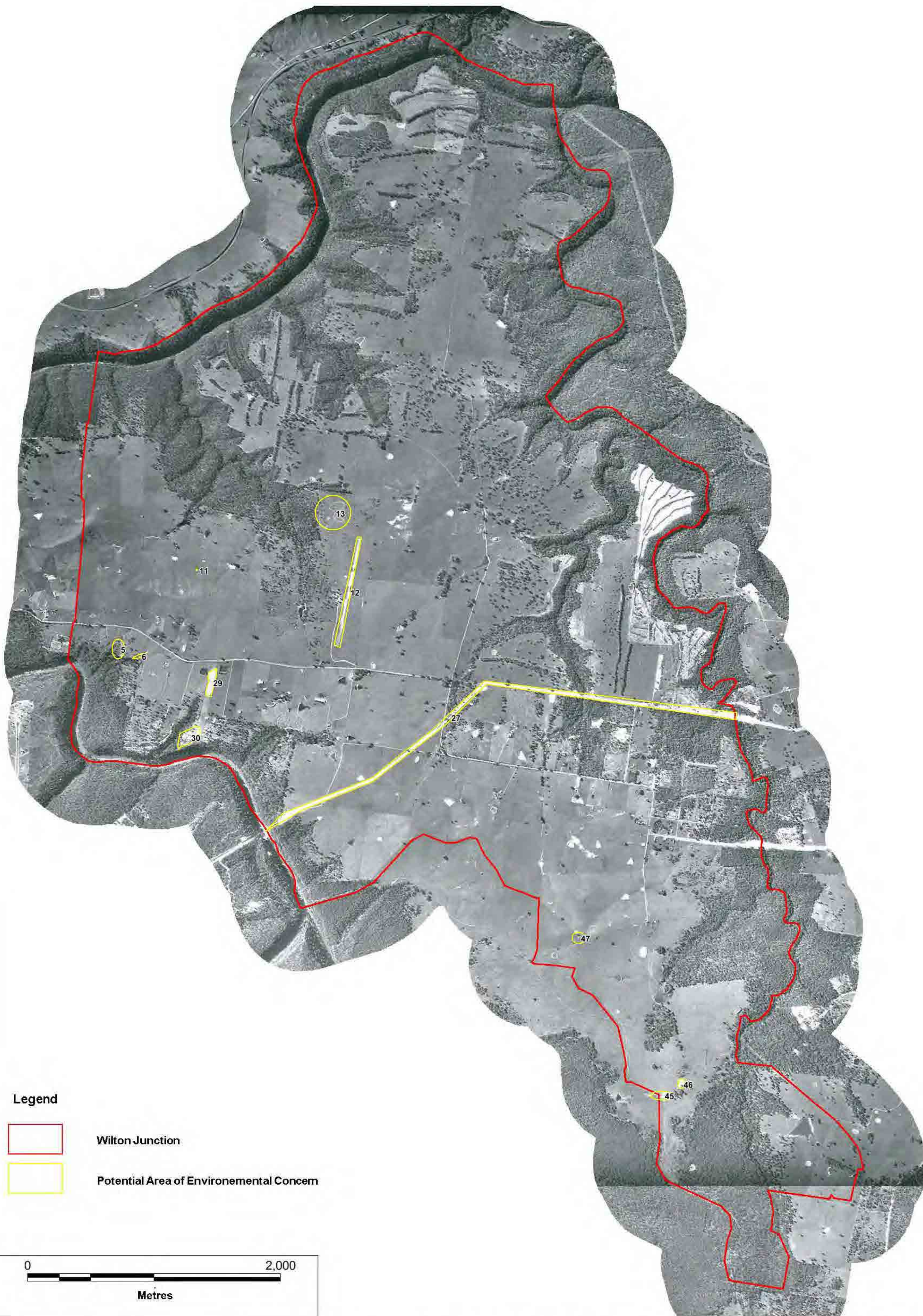


Wilton Junction



Potential Area of Environmental Concern





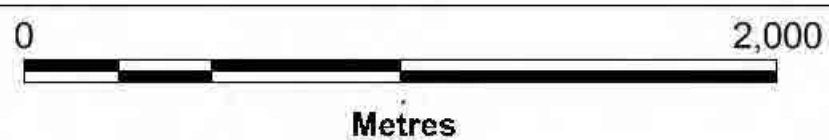
Legend



Wilton Junction





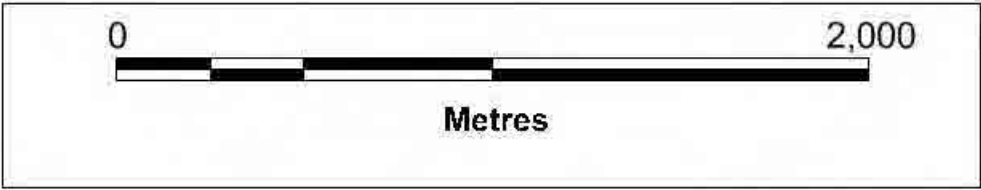
Potential Area of Environmental Concern





Legend

-  Wilton Junction
-  Potential Area of Environmental Concern





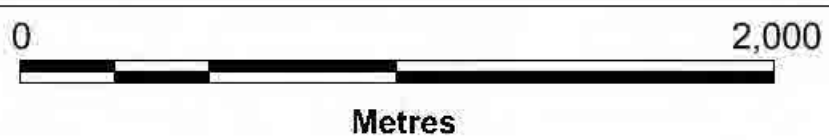
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Wilton Junction



Potential Area of Environmental Concern





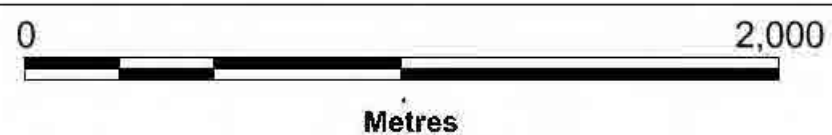
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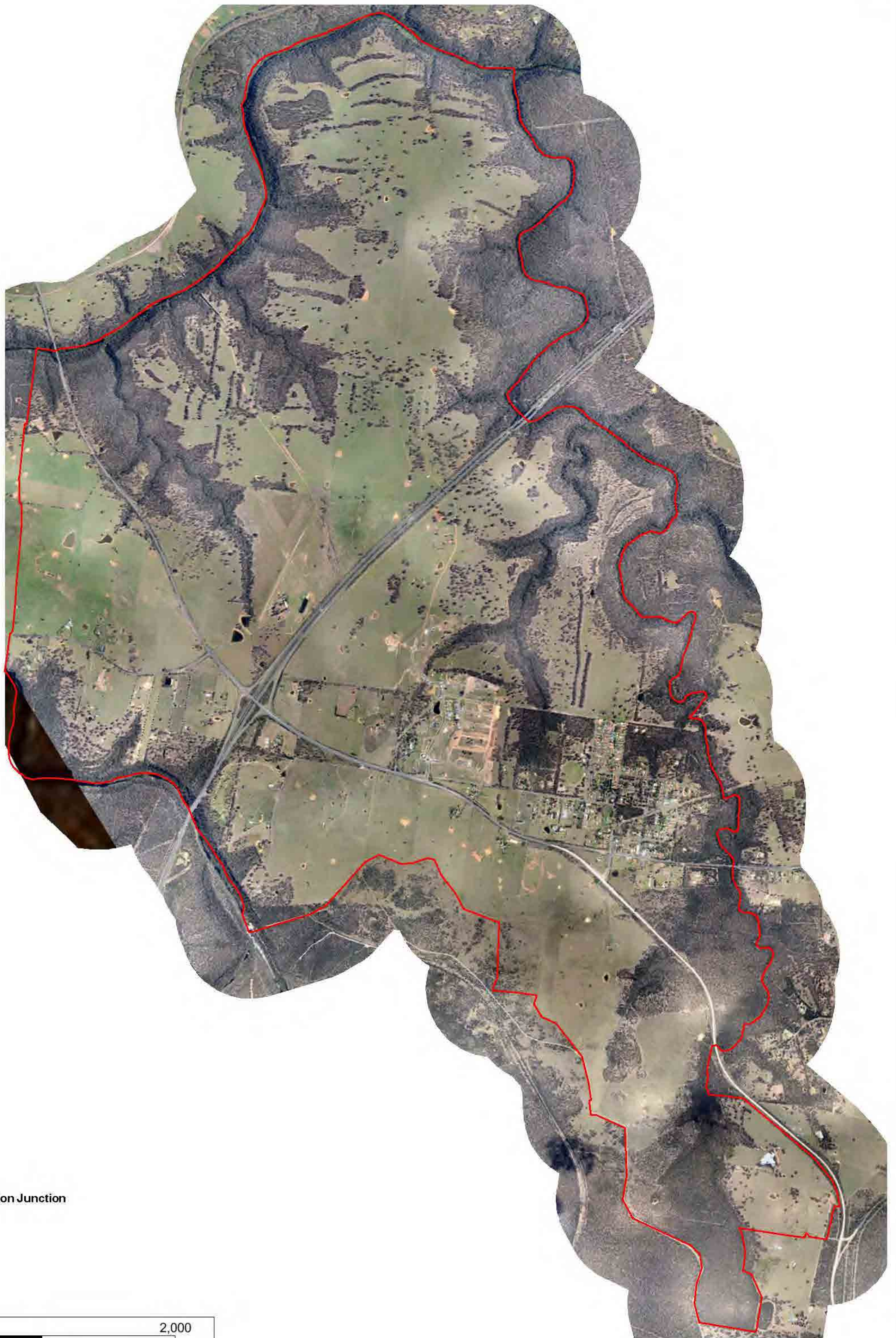


Wilton Junction



Potential Area of Environmental Concern

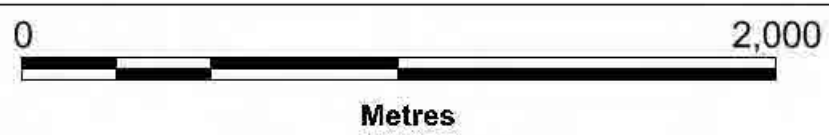


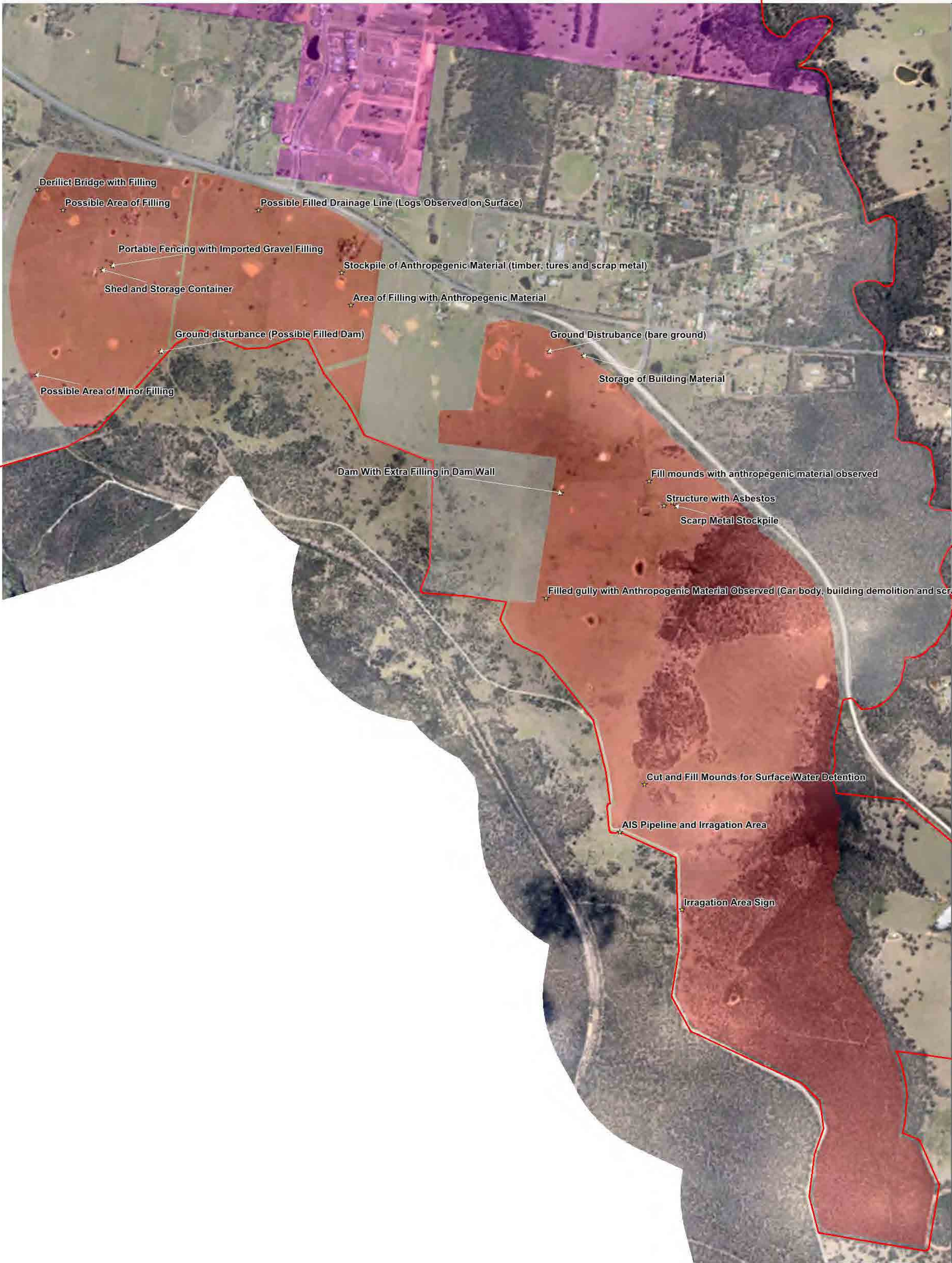


Legend



Wilton Junction







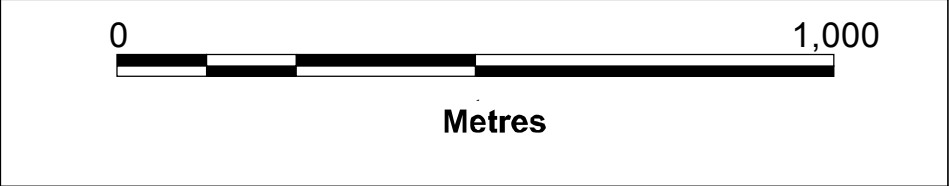


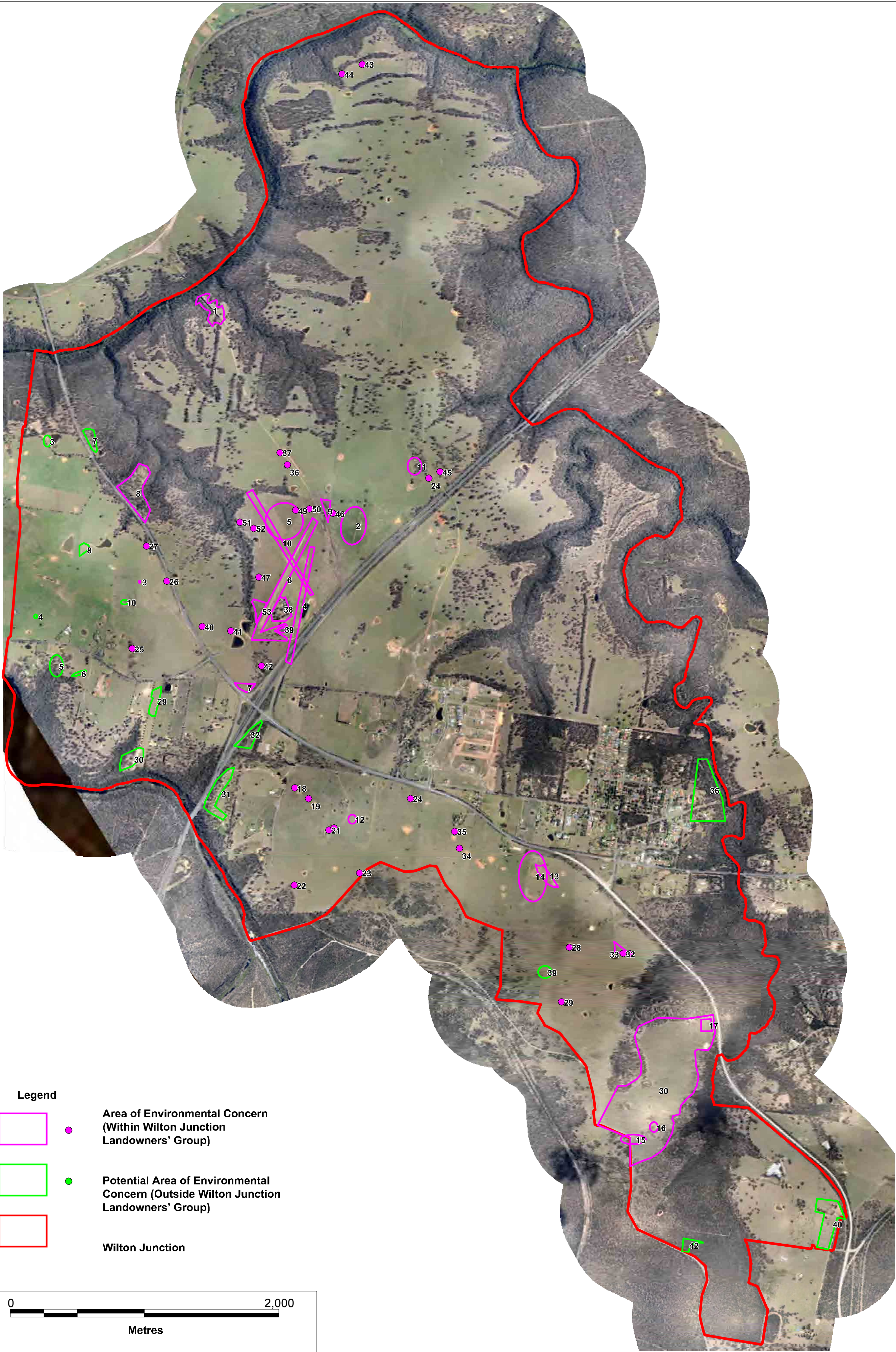
Legend

Governors Hill Land

★

Site Observation





Legend



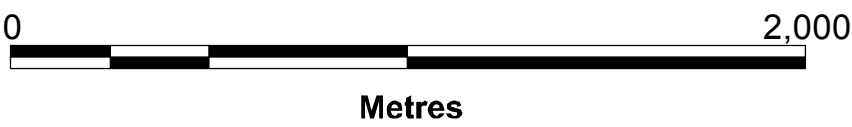
Area of Environmental Concern
(Within Wilton Junction
Landowners' Group)



Potential Area of Environmental
Concern (Outside Wilton Junction
Landowners' Group)



Wilton Junction



Appendix C

Photographs



Photo 1 - AEC 20



Photo 2 - AEC 21



Photo 3 - AEC 29



Photo 4 - AEC 31 and AEC 32



Photo 5 - AEC 33



Photo 6 - Excavation observed within railcorridor in Bradcorp Land (PAEC 18 - 20)



Photo 7 - Hay Shed in Bradcorp Land



Photo 8 - AEC9



Photo 9 - Deisel AST within AEC38



Photo 10 - Buildings associated with the Airfield operations (Within AEC38)



Photo 11 - 30000 L Jet Fuel AST (Within AEC38)



Photo 12 - Jet Fuel Bowser



Photo 13 - 44 Gallon Drums of Unleaded Petrol with storage container adjacent to Jet Fuel Tank.



Photo 14 - Runway



Photo 15 - Surface anthropogenic refuse (AEC53)



Photo 16 - AEC53



Photo 17 - Land Fill within AEC53



Photo 18 - Land Fill within AEC53

Appendix D

PAEC Logs

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|----------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 284837.8 |
| PAEC #: | 1 | Northing: | 6212874 |

Identified from:

| | | | | |
|--------------------|--------------------------|--------------------|--------------------------|---------------------|
| Site Inspection | <input type="checkbox"/> | Conductivity Data | <input type="checkbox"/> | Other (list below): |
| Title Deed info. | <input type="checkbox"/> | Interviews | <input type="checkbox"/> | Council Records |
| Geotechnical | <input type="checkbox"/> | Aerial Photography | ✓ | |
| Historical Society | <input type="checkbox"/> | Year: 1984 | | |

Details:

| |
|---|
| Construction of Railway Bridge within railway corridor. |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site Inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|---|
| Semi constructed bridge with large soil mound/embankment. |
| |
| |

Reasoning:

| |
|--------------------------------|
| Imported filling within mound. |
| |

Classified as an AEC ?

| | |
|-----|--------------------------|
| Yes | ✓ |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 284330.31 |
| PAEC #: | 2 | Northing: | 6212396.51 |

Identified from:

| | | | | |
|--------------------|--------------------------|--------------------|--------------------------|---------------------|
| Site Inspection | <input type="checkbox"/> | Conductivity Data | <input type="checkbox"/> | Other (list below): |
| Title Deed info. | <input type="checkbox"/> | Interviews | <input type="checkbox"/> | Council Records |
| Geotechnical | <input type="checkbox"/> | Aerial Photography | ✓ | |
| Historical Society | <input type="checkbox"/> | Year: 2005 | | |

Details:

| |
|---------------------|
| Ground disturbance. |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|-------------------------|---------------|--|
| Inspected by: | | Photographed: | |
| Date Inspected: | | | |
| Inspection Method: | Outside accessible land | | |

Observations:

| |
|--|
| |
| |
| |

Reasoning:

| |
|--|
| |
| |

Classified as an AEC ?

| |
|-----------------------------|
| Yes |
| No <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 283625.89 |
| PAEC #: | 3 | Northing: | 6211899.68 |

Identified from:

| | | | | |
|--------------------|--------------------------|--------------------|--------------------------|---------------------|
| Site Inspection | <input type="checkbox"/> | Conductivity Data | <input type="checkbox"/> | Other (list below): |
| Title Deed info. | <input type="checkbox"/> | Interviews | <input type="checkbox"/> | Council Records |
| Geotechnical | <input type="checkbox"/> | Aerial Photography | ✓ | |
| Historical Society | <input type="checkbox"/> | Year: 1961 | | |

Details:

| |
|--------------------|
| Ground Disturbance |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|-------------------------|---------------|--|
| Inspected by: | | Photographed: | |
| Date Inspected: | | | |
| Inspection Method: | Outside Accessible Land | | |

Observations:

| |
|--|
| |
| |
| |

Reasoning:

| |
|--|
| |
| |

Classified as an AEC ?

| | |
|----|--------------------------|
| | |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 283541.2 |
| PAEC #: | 4 | Northing: | 6210598.35 |

Identified from:

| | | | | |
|--------------------|--------------------------|--------------------|--------------------------|---------------------|
| Site Inspection | <input type="checkbox"/> | Conductivity Data | <input type="checkbox"/> | Other (list below): |
| Title Deed info. | <input type="checkbox"/> | Interviews | <input type="checkbox"/> | Council Records |
| Geotechnical | <input type="checkbox"/> | Aerial Photography | ✓ | |
| Historical Society | <input type="checkbox"/> | Year: 1961 | | |

Details:

| |
|----------------------|
| Possible Disturbance |
| |
| |
| |

Follow up:

| |
|------------------|
| Site Inspection. |
| |

Inspection Details:

| | | | |
|--------------------|-------------------------|---------------|--|
| Inspected by: | | Photographed: | |
| Date Inspected: | | | |
| Inspection Method: | Outside Accessible Land | | |

Observations:

| |
|--|
| |
| |
| |

Reasoning:

| |
|--|
| |
| |

Classified as an AEC ?

| |
|-----------------------------|
| Yes |
| No <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 283693.5 |
| PAEC #: | 5 | Northing: | 6210229.77 |

Identified from:

| | | | | |
|--------------------|--------------------------|--------------------|--------------------------|---------------------|
| Site Inspection | <input type="checkbox"/> | Conductivity Data | <input type="checkbox"/> | Other (list below): |
| Title Deed info. | <input type="checkbox"/> | Interviews | <input type="checkbox"/> | Council Records |
| Geotechnical | <input type="checkbox"/> | Aerial Photography | ✓ | |
| Historical Society | <input type="checkbox"/> | Year: 1975 | | |

Details:

| |
|--------------------|
| Ground Disturbance |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|-------------------------|---------------|--|
| Inspected by: | | Photographed: | |
| Date Inspected: | | | |
| Inspection Method: | Outside Accessible land | | |

Observations:

| |
|--|
| |
| |
| |

Reasoning:

| |
|--|
| |
| |

Classified as an AEC ?

| |
|-----------------------------|
| Yes |
| No <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 283860.75 |
| PAEC #: | 6 | Northing: | 6210174.96 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 1975

Details:

| |
|--------------------|
| Ground Disturbance |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|-------------------------|---------------|--|
| Inspected by: | | Photographed: | |
| Date Inspected: | | | |
| Inspection Method: | Outside Accessible Land | | |

Observations:

| |
|--|
| |
| |
| |

Reasoning:

| |
|--|
| |
| |

Classified as an AEC ?

| |
|-----------------------------|
| Yes |
| No <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 283943.29 |
| PAEC #: | 7 | Northing: | 6211905.77 |

Identified from:

| | | | | |
|--------------------|--------------------------|--------------------|--------------------------|---------------------|
| Site Inspection | <input type="checkbox"/> | Conductivity Data | <input type="checkbox"/> | Other (list below): |
| Title Deed info. | <input type="checkbox"/> | Interviews | <input type="checkbox"/> | Council Records |
| Geotechnical | <input type="checkbox"/> | Aerial Photography | ✓ | |
| Historical Society | <input type="checkbox"/> | Year: 1984 | | |

Details:

| |
|---|
| Ground Disturbance in relation to construction of Picton Rd |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|-------------------------|---------------|--|
| Inspected by: | | Photographed: | |
| Date Inspected: | | | |
| Inspection Method: | Outside Accessible land | | |

Observations:

| |
|--|
| |
| |
| |

Reasoning:

| |
|--|
| |
| |

Classified as an AEC ?

| |
|-----------------------------|
| Yes |
| No <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 283902.47 |
| PAEC #: | 8 | Northing: | 6211093.66 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 2005

Details:

| |
|---------------------|
| Ground Disturbance. |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|-------------------------|---------------|--|
| Inspected by: | | Photographed: | |
| Date Inspected: | | | |
| Inspection Method: | Outside Accessible Land | | |

Observations:

| |
|--|
| |
| |
| |

Reasoning:

| |
|--|
| |
| |

Classified as an AEC ?

| |
|-----------------------------|
| Yes |
| No <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285900.17 |
| PAEC #: | 9 | Northing: | 6211272.18 |

Identified from:

| | | | | |
|--------------------|--------------------------|--------------------|--------------------------|---------------------|
| Site Inspection | <input type="checkbox"/> | Conductivity Data | <input type="checkbox"/> | Other (list below): |
| Title Deed info. | <input type="checkbox"/> | Interviews | <input type="checkbox"/> | Council Records |
| Geotechnical | <input type="checkbox"/> | Aerial Photography | ✓ | |
| Historical Society | <input type="checkbox"/> | Year: 1961 | | |

Details:

| |
|---------------------|
| Ground Disturbance. |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|----------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site walkover. | | |

Observations:

| |
|--|
| Possible cut and fill was observed to create access trail. |
| |
| |

Reasoning:

| |
|---|
| Need to confirm cut & fill and that no anthropogenic material is in fill. |
| |

Classified as an AEC ?

| | |
|-----|---|
| Yes | ✓ |
| No | |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 284200.09 |
| PAEC #: | 10 | Northing: | 6210704.35 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 1961

Details:

| |
|---------------------|
| Ground Disturbance. |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|-------------------------|---------------|--|
| Inspected by: | | Photographed: | |
| Date Inspected: | | | |
| Inspection Method: | Outside Accessible Land | | |

Observations:

| |
|--|
| |
| |
| |

Reasoning:

| |
|--|
| |
| |

Classified as an AEC ?

| |
|-----------------------------|
| Yes |
| No <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 284313.1 |
| PAEC #: | 11 | Northing: | 6210854.23 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 1975

Details:

| |
|-----------------------|
| Small shed/demolished |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--|
| Area of flat grass with possible cut to level area. (Possibly location of former shed) |
| |
| |

Reasoning:

| |
|---------------------------|
| Possible demolished shed. |
| |

Classified as an AEC ?

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285503.54 |
| PAEC #: | 12 | Northing: | 6210678.78 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 1975

Details:

| |
|---------------------|
| Ground Disturbance. |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04-05/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--|
| Area of manicured lawn. Is located within "drop zone" area for sky divers. |
| No signs of previous runway/ground disturbance. |
| |

Reasoning:

| |
|--|
| Possible former runway present. (Possible filling) |
| |

Classified as an AEC ?

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285388.09 |
| PAEC #: | 13 | Northing: | 6211303.85 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 1975

Details:

| |
|------------|
| Dirt Track |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 05/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|---------------------------------|
| No sign of previous dirt track. |
| |
| |

Reasoning:

| |
|--|
| Previous dirt track use. |
| May have possible surface contamination. |

Classified as an AEC ?

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285389.3 |
| PAEC #: | 14 | Northing: | 6210873.12 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 1984

Details:

| |
|-------------------------------------|
| Ground Disturbance Airport / runway |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 05/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--|
| Portions of the runway were covered with roadbase gravel. Fill was observed in |
| areas of the runway. |
| |

Reasoning:

| |
|--|
| Fill & runway use. |
| Possible surface contamination within filling. |

Classified as an AEC ?

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285094.44 |
| PAEC #: | 15 | Northing: | 6210070.15 |

Identified from:

| | | | | |
|--------------------|--------------------------|--------------------|--------------------------|---------------------|
| Site Inspection | <input type="checkbox"/> | Conductivity Data | <input type="checkbox"/> | Other (list below): |
| Title Deed info. | <input type="checkbox"/> | Interviews | <input type="checkbox"/> | Council Records |
| Geotechnical | <input type="checkbox"/> | Aerial Photography | ✓ | |
| Historical Society | <input type="checkbox"/> | Year: 1984 | | |

Details:

| |
|--------------------------|
| Previous Road demolished |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 05/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--|
| No obvious signs of previous land use. |
| |
| |

Reasoning:

| |
|---------------------|
| Previous road area. |
| |

Classified as an AEC ?

| | |
|-----|--------------------------|
| Yes | ✓ |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 284267.09 |
| PAEC #: | 16 | Northing: | 6211514.64 |

Identified from:

| | | | | |
|--------------------|--------------------------|--------------------|--------------------------|---------------------|
| Site Inspection | <input type="checkbox"/> | Conductivity Data | <input type="checkbox"/> | Other (list below): |
| Title Deed info. | <input type="checkbox"/> | Interviews | <input type="checkbox"/> | Council Records |
| Geotechnical | <input type="checkbox"/> | Aerial Photography | ✓ | |
| Historical Society | <input type="checkbox"/> | Year: 1984 | | |

Details:

| |
|--------------------|
| Ground Disturbance |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 30/05/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--|
| Signs of former ground disturbance. Some very minor surface litter observed. |
| |
| |

Reasoning:

| |
|--|
| Ground disturbance from construction of Picton Road. |
| |

Classified as an AEC ?

| | |
|-----|--------------------------|
| Yes | ✓ |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285693.31 |
| PAEC #: | 17 | Northing: | 6211383.04 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 1984

Details:

| |
|--------------------|
| Ground Disturbance |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|-----------------------------|
| Stockpile of crushed shale. |
| |
| |

Reasoning:

| |
|-----------------------------|
| Stockpile of crushed shale. |
| |

Classified as an AEC ?

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285746.01 |
| PAEC #: | 18 | Northing: | 6211048.58 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 1984

Details:

| |
|-----------------------------|
| Possible Dam or Disturbance |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|---|
| Large excavation/trench observed (refer photograph) |
| |
| |

Reasoning:

| |
|-------------------|
| Large excavation. |
| |

Classified as an AEC ?

| |
|--|
| Yes |
| No <input checked="" type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285788.66 |
| PAEC #: | 19 | Northing: | 6210935.86 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 1984

Details:

| |
|-----------------------------------|
| Ground Disturbances or stockpiles |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|-------------------------------------|
| Large excavation into natural soil. |
| |
| |

Reasoning:

| |
|-------------------------------------|
| Large excavation into natural soil. |
| |

Classified as an AEC ?

| | |
|-----|---|
| Yes | |
| No | ✓ |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285461.2 |
| PAEC #: | 20 | Northing: | 6211738.84 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 1984

Details:

| |
|---|
| Stockpiles / Storage of materials along access road |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|---|
| Large excavation into natural material (Refer photograph) |
| |
| |

Reasoning:

| |
|-----------------------------------|
| Excavation into natural material. |
| |

Classified as an AEC ?

| |
|--|
| Yes |
| No <input checked="" type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285355.49 |
| PAEC #: | 21 | Northing: | 6211145.44 |

Identified from:

| | | | | |
|--------------------|--------------------------|--------------------|--------------------------|---------------------|
| Site Inspection | <input type="checkbox"/> | Conductivity Data | <input type="checkbox"/> | Other (list below): |
| Title Deed info. | <input type="checkbox"/> | Interviews | <input type="checkbox"/> | Council Records |
| Geotechnical | <input type="checkbox"/> | Aerial Photography | ✓ | |
| Historical Society | <input type="checkbox"/> | Year: 1990 | | |

Details:

| |
|---|
| Ground disturbance in vicinity of airport |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 05/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|----------------|
| Second runway. |
| |
| |

Reasoning:

| |
|--|
| Possible surface contaminants and possible filling in areas. |
| |

Classified as an AEC ?

| | |
|-----|--------------------------|
| Yes | ✓ |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Road, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 284581.31 |
| PAEC #: | 22 | Northing: | 6210882.25 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 1984

Details:

| |
|---------------------|
| Ground disturbance. |
| |
| |
| |

Follow up:

| |
|------------------|
| Site inspection. |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 05/06/12 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|------------------------------------|
| Underpass and dam observed in area |
| |
| |

Reasoning:

| |
|-----------------------------|
| Dam not ground disturbance. |
| |

Classified as an AEC ?

| | |
|-----|-------------------------------------|
| Yes | <input type="checkbox"/> |
| No | <input checked="" type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Road, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 284660.21 |
| PAEC #: | 23 | Northing: | 6211858.25 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 2005

Details:

| |
|--------------------|
| Ground Disturbance |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--|
| In the area of the BHP Billiton monitoring well. |
| |
| |

Reasoning:

| |
|--|
| Ground disturbance from construction of monitoring well. |
| |

Classified as an AEC ?

| |
|--|
| Yes |
| No <input checked="" type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Road, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285740.99 |
| PAEC #: | 24 | Northing: | 6211110.11 |

Identified from:

| | | | | |
|--------------------|--------------------------|--------------------|--------------------------|---------------------|
| Site Inspection | <input type="checkbox"/> | Conductivity Data | <input type="checkbox"/> | Other (list below): |
| Title Deed info. | <input type="checkbox"/> | Interviews | <input type="checkbox"/> | Council Records |
| Geotechnical | <input type="checkbox"/> | Aerial Photography | ✓ | |
| Historical Society | <input type="checkbox"/> | Year: 2005 | | |

Details:

| |
|--------------------------------------|
| Ground Disturbance along access road |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|----------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site walkover. | | |

Observations:

| |
|-------------------------------------|
| Large excavation / Trench observed. |
| |
| |

Reasoning:

| |
|-------------|
| Excavation. |
| |

Classified as an AEC ?

| |
|-----------|
| Yes |
| No ✓ |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Road, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 286356.32 |
| PAEC #: | 25 | Northing: | 6211712.03 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 1955

Details:

| |
|--------------------------|
| Small Ground Disturbance |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|---|
| Creek observed with potential fill in southern end. |
| |
| |

Reasoning:

| |
|----------------------------------|
| Possible fill in south of creek. |
| |

Classified as an AEC ?

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Road, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 286648.75 |
| PAEC #: | 26 | Northing: | 6211888.71 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 1961

Details:

| |
|-----------------------|
| Land clearing/logging |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 05/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|------------------------------------|
| No sign of contamination observed. |
| |
| |

Reasoning:

| |
|------------------------------------|
| No sign of contamination observed. |
| |

Classified as an AEC ?

| |
|--|
| Yes |
| No <input checked="" type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Road, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 286301.32 |
| PAEC #: | 27 | Northing: | 6209693.03 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 1984

Details:

| |
|--------------------|
| Ground Disturbance |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 03/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|---------------|
| Gas easement. |
| |
| |

Reasoning:

| |
|-------------------------|
| Not AEC – Gas easement. |
| |

Classified as an AEC ?

| |
|-----------|
| Yes |
| No x |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Road, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|-----------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285893.75 |
| PAEC #: | 28 | Northing: | 6209091.1 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 1961

Details:

| |
|---------------------|
| Ground disturbance. |
| |
| |
| |

Follow up:

| |
|------------------|
| Site inspection. |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 30/05/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--------------------------------|
| No sign of ground disturbance. |
| |
| |

Reasoning:

| |
|---|
| Ground disturbance observed in aerial photograph. |
| |

Classified as an AEC ?

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Road, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|-----------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 284425.49 |
| PAEC #: | 29 | Northing: | 6209968.4 |

Identified from:

| | | | | |
|--------------------|--------------------------|--------------------|--------------------------|---------------------|
| Site Inspection | <input type="checkbox"/> | Conductivity Data | <input type="checkbox"/> | Other (list below): |
| Title Deed info. | <input type="checkbox"/> | Interviews | <input type="checkbox"/> | Council Records |
| Geotechnical | <input type="checkbox"/> | Aerial Photography | ✓ | |
| Historical Society | <input type="checkbox"/> | Year: 1984 | | |

Details:

| |
|--------------------|
| Ground Disturbance |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site Inspection |
| |

Inspection Details:

| | | | |
|--------------------|-------------------------|---------------|--|
| Inspected by: | | Photographed: | |
| Date Inspected: | | | |
| Inspection Method: | Outside Accessible Land | | |

Observations:

| |
|--|
| |
| |
| |

Reasoning:

| |
|--|
| |
| |

Classified as an AEC ?

| | |
|-----|--------------------------|
| Yes | |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Road, Wilton Junction

Project Number: 73467.00
Date: 19/02/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 284251.85 |
| PAEC #: | 30 | Northing: | 6209537.37 |

Identified from:

| | | | | |
|--------------------|--------------------------|--------------------|--------------------------|---------------------|
| Site Inspection | <input type="checkbox"/> | Conductivity Data | <input type="checkbox"/> | Other (list below): |
| Title Deed info. | <input type="checkbox"/> | Interviews | <input type="checkbox"/> | Council Records |
| Geotechnical | <input type="checkbox"/> | Aerial Photography | <input type="checkbox"/> | |
| Historical Society | <input type="checkbox"/> | Year: 1984 | | |

Details:

| |
|--------------------|
| ground disturbance |
| |
| |
| |

Follow up:

| |
|--|
| |
| |

Inspection Details:

| | | | |
|--------------------|-------------------------|---------------|--|
| Inspected by: | | Photographed: | |
| Date Inspected: | | | |
| Inspection Method: | Outside Accessible Land | | |

Observations:

| |
|--|
| |
| |
| |

Reasoning:

| |
|--|
| |
| |

Classified as an AEC ?

| |
|-----------------------------|
| Yes |
| No <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Road, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 284902.22 |
| PAEC #: | 31 | Northing: | 6209281.48 |

Identified from:

| | | | | |
|--------------------|--------------------------|--------------------|--------------------------|---------------------|
| Site Inspection | <input type="checkbox"/> | Conductivity Data | <input type="checkbox"/> | Other (list below): |
| Title Deed info. | <input type="checkbox"/> | Interviews | <input type="checkbox"/> | Council Records |
| Geotechnical | <input type="checkbox"/> | Aerial Photography | ✓ | |
| Historical Society | <input type="checkbox"/> | Year: 1965 | | |

Details:

| |
|--|
| Ground disturbance adjacent to Hume highway. |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|-------------------------|---------------|--|
| Inspected by: | | Photographed: | |
| Date Inspected: | | | |
| Inspection Method: | Outside Accessible Land | | |

Observations:

| |
|--|
| |
| |
| |

Reasoning:

| |
|--|
| |
| |

Classified as an AEC ?

| |
|-----------------------------|
| Yes |
| No <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Road, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285117.74 |
| PAEC #: | 32 | Northing: | 6209722.42 |

Identified from:

| | | | | |
|--------------------|--------------------------|--------------------|--------------------------|---------------------|
| Site Inspection | <input type="checkbox"/> | Conductivity Data | <input type="checkbox"/> | Other (list below): |
| Title Deed info. | <input type="checkbox"/> | Interviews | <input type="checkbox"/> | Council Records |
| Geotechnical | <input type="checkbox"/> | Aerial Photography | ✓ | |
| Historical Society | <input type="checkbox"/> | Year: 1984 | | |

Details:

| |
|--|
| Ground disturbance adjacent to Hume highway. |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|-------------------------|---------------|--|
| Inspected by: | | Photographed: | |
| Date Inspected: | | | |
| Inspection Method: | Outside Accessible land | | |

Observations:

| |
|--|
| |
| |
| |

Reasoning:

| |
|--|
| |
| |

Classified as an AEC ?

| |
|-----|
| Yes |
| No |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Road, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 287901.95 |
| PAEC #: | 33 | Northing: | 6209021.03 |

Identified from:

| | | | | |
|--------------------|--------------------------|--------------------|--------------------------|---------------------|
| Site Inspection | <input type="checkbox"/> | Conductivity Data | <input type="checkbox"/> | Other (list below): |
| Title Deed info. | <input type="checkbox"/> | Interviews | <input type="checkbox"/> | Council Records |
| Geotechnical | <input type="checkbox"/> | Aerial Photography | ✓ | |
| Historical Society | <input type="checkbox"/> | Year: 1961 | | |

Details:

| |
|-----------------------------------|
| Ground disturbance from services. |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|-------------------------|---------------|--|
| Inspected by: | | Photographed: | |
| Date Inspected: | | | |
| Inspection Method: | Outside Accessible land | | |

Observations:

| |
|--|
| |
| |
| |

Reasoning:

| |
|--|
| |
| |

Classified as an AEC ?

| |
|-----|
| Yes |
| No |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Road, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 287338.41 |
| PAEC #: | 34 | Northing: | 6208670.72 |

Identified from:

| | | | | |
|--------------------|--------------------------|--------------------|--------------------------|---------------------|
| Site Inspection | <input type="checkbox"/> | Conductivity Data | <input type="checkbox"/> | Other (list below): |
| Title Deed info. | <input type="checkbox"/> | Interviews | <input type="checkbox"/> | Council Records |
| Geotechnical | <input type="checkbox"/> | Aerial Photography | ✓ | |
| Historical Society | <input type="checkbox"/> | Year: 1961 | | |

Details:

| |
|--------------------|
| Ground disturbance |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 30/05/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--|
| Ground disturbances – Bare earth observed. |
| |
| |

Reasoning:

| |
|----------------------|
| Bare earth observed. |
| |

Classified as an AEC ?

| | |
|-----|---|
| Yes | ✓ |
| No | |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Road, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 287234.83 |
| PAEC #: | 35 | Northing: | 6208667.68 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 2005

Details:

| |
|---------------------------------|
| Oval track - ground disturbance |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 05/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|---|
| Oval track observed with five small structures adjacent to track. |
| Road base was observed on surface. Filling was also observed in parts of track. |
| |

Reasoning:

| |
|---|
| Oval track & small structures observed with road base gravels on surface. |
| |

Classified as an AEC ?

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Road, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 288532.51 |
| PAEC #: | 36 | Northing: | 6209307.37 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 1961

Details:

| |
|-------------------------|
| land clearing / logging |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|-------------------------|---------------|--|
| Inspected by: | | Photographed: | |
| Date Inspected: | | | |
| Inspection Method: | Outside Accessible land | | |

Observations:

| |
|--|
| |
| |
| |

Reasoning:

| |
|--|
| |
| |

Classified as an AEC ?

| |
|-----|
| Yes |
| No |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Road, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 287981.15 |
| PAEC #: | 37 | Northing: | 6206712.02 |

Identified from:

| | | | | |
|--------------------|--------------------------|--------------------|--------------------------|---------------------|
| Site Inspection | <input type="checkbox"/> | Conductivity Data | <input type="checkbox"/> | Other (list below): |
| Title Deed info. | <input type="checkbox"/> | Interviews | <input type="checkbox"/> | Council Records |
| Geotechnical | <input type="checkbox"/> | Aerial Photography | ✓ | |
| Historical Society | <input type="checkbox"/> | Year: 1975 | | |

Details:

| |
|--------------------|
| Ground Disturbance |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|----------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site Walk Over | | |

Observations:

| |
|-------------------------------|
| Some gravel noted on surface. |
| |
| |

Reasoning:

| |
|------------------------------------|
| Further investigation is required. |
| |

Classified as an AEC ?

| | |
|-----|---|
| Yes | ✓ |
| No | |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Road, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 288133.46 |
| PAEC #: | 38 | Northing: | 6206803.41 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 1975

Details:

| |
|--------------------|
| ground disturbance |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|----------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site Walk Over | | |

Observations:

| |
|---|
| Reworked / ploughed ground. Some erosion noted to the west. |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

Classified as an AEC ?

| |
|---|
| Yes <input checked="" type="checkbox"/> |
| No <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Road, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 287323.18 |
| PAEC #: | 39 | Northing: | 6207954.87 |

Identified from:

| | | | | |
|--------------------|--------------------------|--------------------|--------------------------|---------------------|
| Site Inspection | <input type="checkbox"/> | Conductivity Data | <input type="checkbox"/> | Other (list below): |
| Title Deed info. | <input type="checkbox"/> | Interviews | <input type="checkbox"/> | Council Records |
| Geotechnical | <input type="checkbox"/> | Aerial Photography | ✓ | |
| Historical Society | <input type="checkbox"/> | Year: 1975 | | |

Details:

| |
|------------------------------|
| house / structure demolition |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|-------------------------|---------------|--|
| Inspected by: | | Photographed: | |
| Date Inspected: | | | |
| Inspection Method: | Outside Accessible land | | |

Observations:

| |
|--|
| |
| |
| |

Reasoning:

| |
|--|
| |
| |

Classified as an AEC ?

| |
|-----|
| Yes |
| No |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Road, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 289443.32 |
| PAEC #: | 40 | Northing: | 6206085.28 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 1990

Details:

| |
|-------------------------|
| possible market gardens |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|-------------------------|---------------|--|
| Inspected by: | | Photographed: | |
| Date Inspected: | | | |
| Inspection Method: | Outside Accessible land | | |

Observations:

| |
|--|
| |
| |
| |

Reasoning:

| |
|--|
| |
| |

Classified as an AEC ?

| |
|-----|
| Yes |
| No |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Road, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 288525.66 |
| PAEC #: | 41 | Northing: | 6207561.92 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 1990

Details:

| |
|--|
| ground disturbance possibly from construction of Picton road |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|-------------------------|---------------|--|
| Inspected by: | | Photographed: | |
| Date Inspected: | | | |
| Inspection Method: | Outside Accessible land | | |

Observations:

| |
|--|
| |
| |
| |

Reasoning:

| |
|--|
| |
| |

Classified as an AEC ?

| |
|-----|
| Yes |
| No |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Road, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 288378.37 |
| PAEC #: | 42 | Northing: | 6205927.63 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 1955

Details:

| |
|--------------------------|
| Land clearing / logging. |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|-------------------------|---------------|--|
| Inspected by: | | Photographed: | |
| Date Inspected: | | | |
| Inspection Method: | Outside Accessible land | | |

Observations:

| |
|--|
| |
| |
| |

Reasoning:

| |
|--|
| |
| |

Classified as an AEC ?

| |
|-----|
| Yes |
| No |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Road, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285307.44 |
| PAEC #: | 43 | Northing: | 6214230.01 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 1955

Details:

| |
|-------------------------|
| land clearing / logging |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|----------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 05/06/13 | | |
| Inspection Method: | Site Walk Over | | |

Observations:

| |
|---|
| No obvious signs of contamination observed. |
| |
| |

Reasoning:

| |
|------------------------------------|
| No obvious signs of contamination. |
| |

Classified as an AEC ?

| |
|--|
| Yes |
| No <input checked="" type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Road, Wilton Junction

Project Number: 73467.00
Date: 19/02/13
Logged: BAH

Location:

| | | | |
|------------------|------------------------------|------------------------|------------|
| Property: | Picton Road, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 286714.96 |
| PAEC #: | 44 | Northing: | 6213980.22 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 1961

Details:

| |
|-------------------------|
| land clearing / logging |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 05/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|---|
| No obvious signs of contamination observed. |
| |
| |

Reasoning:

| |
|-----------------------------------|
| No obvious signs of contamination |
| Time since land clearing. |

Classified as an AEC ?

| |
|--|
| Yes |
| No <input checked="" type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|------------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 284957.06 |
| PAEC #: | 45 | Northing: | 6212317.01 |

Identified from:

Site Inspection ☐ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography ☒
 Historical Society ☐ Year: 1961

Details:

| |
|-------------------------|
| land clearing / logging |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|---|
| No obvious signs of contamination observed. |
| |
| |

Reasoning:

| |
|--|
| No obvious sign of contamination and time since land clearing. |
| |

Classified as an AEC ?

| |
|--|
| Yes |
| No <input checked="" type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Emerald Hill Estate

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|---|------------------------|------------|
| Property: | 1100 – 1500 Camden Valley Way, Leppington | GPS Coordinates | |
| Grid Ref: | | Easting: | 285605.89 |
| PAEC #: | 46 | Northing: | 6213017.63 |

Identified from:

| | | | | |
|--------------------|--------------------------|--------------------|--------------------------|---------------------|
| Site Inspection | <input type="checkbox"/> | Conductivity Data | <input type="checkbox"/> | Other (list below): |
| Title Deed info. | <input type="checkbox"/> | Interviews | <input type="checkbox"/> | Council Records |
| Geotechnical | <input type="checkbox"/> | Aerial Photography | ✓ | |
| Historical Society | <input type="checkbox"/> | Year: 1961 | | |

Details:

| |
|-------------------------|
| land clearing / logging |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|------------------------------------|
| No obvious signs of contamination. |
| |
| |

Reasoning:

| |
|--|
| No obvious signs of contamination and time since |
| Land clearing. |

Classified as an AEC ?

| | |
|-----|---|
| Yes | |
| No | ✓ |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Emerald Hill Estate

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|---|------------------------|-----------|
| Property: | 1100 – 1500 Camden Valley Way, Leppington | GPS Coordinates | |
| Grid Ref: | | Easting: | 287019.32 |
| PAEC #: | 47 | Northing: | 6212725.2 |

Identified from:

| | | | | |
|--------------------|--------------------------|--------------------|--------------------------|---------------------|
| Site Inspection | <input type="checkbox"/> | Conductivity Data | <input type="checkbox"/> | Other (list below): |
| Title Deed info. | <input type="checkbox"/> | Interviews | <input type="checkbox"/> | Council Records |
| Geotechnical | <input type="checkbox"/> | Aerial Photography | ✓ | |
| Historical Society | <input type="checkbox"/> | Year: 1961 | | |

Details:

| |
|-------------------------|
| land clearing / logging |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|------------------------------------|
| No obvious signs of contamination. |
| |
| |

Reasoning:

| |
|--|
| No obvious signs of contamination observed and |
| Time since land clearing. |

Classified as an AEC ?

| | |
|-----|---|
| Yes | |
| No | ✓ |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Emerald Hill Estate

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|---|------------------------|------------|
| Property: | 1100 – 1500 Camden Valley Way, Leppington | GPS Coordinates | |
| Grid Ref: | | Easting: | 285465.38 |
| PAEC #: | 48 | Northing: | 6209324.57 |

Identified from:

| | | | | |
|--------------------|--------------------------|--------------------|--------------------------|---------------------|
| Site Inspection | <input type="checkbox"/> | Conductivity Data | <input type="checkbox"/> | Other (list below): |
| Title Deed info. | <input type="checkbox"/> | Interviews | <input type="checkbox"/> | Council Records |
| Geotechnical | <input type="checkbox"/> | Aerial Photography | ✓ | |
| Historical Society | <input type="checkbox"/> | Year: 1965 | | |

Details:

| |
|---|
| Possible filled gully and derelict bridge |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--|
| Possible filled gully with derelict bridge observed and filling at either end of bridge. |
| |
| |

Reasoning:

| |
|----------------|
| Fill observed. |
| |

Classified as an AEC ?

| | |
|-----|---|
| Yes | ✓ |
| No | |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|------------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285566.22 |
| PAEC #: | 49 | Northing: | 6209245.51 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|--|
| |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|---|
| Possible area of fill, brick noted half buried with placed boulders on surface adjacent |
| |
| |

Reasoning:

| |
|------------------------------------|
| Area affected by possible filling. |
| |

Classified as an AEC ?

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285757.96 |
| PAEC #: | 50 | Northing: | 285757.96 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: 1961 _____

Details:

| |
|--|
| |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 05/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|---|
| Homestead/ Brick and tile construction. |
| |
| |

Reasoning:

| |
|---|
| Residential buildings of brick / tile construction. |
| |

Classified as an AEC ?

| |
|--|
| Yes |
| No <input checked="" type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285757.96 |
| PAEC #: | 51 | Northing: | 285757.96 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|---|
| Metal portable horse stable with mounds of imported gravel being spread over site |
| |
| |
| |

Follow up:

| |
|--|
| |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 03/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|---|
| Metal portable fencing for use with horses with mounds of imported gravel being |
| Spread within fenced area. |
| |

Reasoning:

| |
|----------------|
| Imported fill. |
| |

Classified as an AEC ?

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285718.38 |
| PAEC #: | 52 | Northing: | 285718.38 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|---|
| Machine Shed, with shipping containers, truck parked outside and small asphalt gravel stockpile |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 03/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--|
| A Machine Shed, with shipping containers, truck parked outside and small asphalt gravel stockpile was noted during the inspection. |
| |
| |

Reasoning:

| |
|--|
| Possible area of contamination further investigation required. |
| |

Classified as an AEC ?

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285461.17 |
| PAEC #: | 53 | Northing: | 285461.17 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography
 Historical Society ☐ Year:

Details:

| |
|-------------------------------|
| Possibly lightly filled gully |
| |
| |
| |

Follow up:

| |
|--|
| |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 03/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|-------------------------------|
| Possibly lightly filled gully |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

Classified as an AEC ?

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285945.65 |
| PAEC #: | 54 | Northing: | 285945.65 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography
 Historical Society ☐ Year:

Details:

| |
|--|
| Ground disturbance possibly filled small dam |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 03/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--|
| Ground disturbance possibly filled small dam |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

Classified as an AEC ?

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 286326.49 |
| PAEC #: | 55 | Northing: | 286326.49 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography
 Historical Society ☐ Year:

Details:

| |
|---|
| Possible filled drainage line (logs observed on surface). |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 03/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--|
| |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

Classified as an AEC ?

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 284255.66 |
| PAEC #: | 56 | Northing: | 284255.66 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography
 Historical Society ☐ Year:

Details:

| |
|--------------------|
| Derelict structure |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 03/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--|
| Derelict structure observed. Consists of corrugated metal sheeting and timber. |
| Corrugated metal sheeting observed on ground near structure |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

Classified as an AEC ?

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 284513.42 |
| PAEC #: | 57 | Northing: | 284513.42 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|---------------|
| Area of fill. |
| |
| |
| |

Follow up:

| |
|--|
| |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 30/05/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--|
| An area with some filling observed and gravels on surface. Adjacent to underpass of Picton road. |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

Classified as an AEC ?

| |
|---|
| Yes <input checked="" type="checkbox"/> |
| No <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 284362.79 |
| PAEC #: | 58 | Northing: | 284362.79 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography
 Historical Society ☐ Year:

Details:

| |
|---|
| concrete observed within eroded gully/creek |
| |
| |
| |

Follow up:

| |
|--|
| |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 03/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--|
| Concrete was observed within a gully. Additional filling may be present. |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

Classified as an AEC ?

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 287503.88 |
| PAEC #: | 59 | Northing: | 287503.88 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|--|
| dam with what appears to be extra fill within dam wall/mound |
| |
| |
| |

Follow up:

| |
|--|
| |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--|
| dam with what appears to be extra fill within dam wall/mound |
| |
| |

Reasoning:

| |
|--|
| Further investigation into the dam wall is required. |
| |

Classified as an AEC ?

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 287446.41 |
| PAEC #: | 60 | Northing: | 287446.41 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|--|
| filled gully / landfill with car bodies, white goods, engines, bricks and scrap metal observed |
| |
| |
| |

Follow up:

| |
|--|
| |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--|
| filled gully / landfill with car bodies, white goods, engines, bricks and scrap metal observed |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

Classified as an AEC ?

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 287976.99 |
| PAEC #: | 61 | Northing: | 287976.99 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|--|
| reworked ground with broken PVC pipes in area of mine water irrigation |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--|
| reworked ground with broken PVC pipes in area of mine water irrigation |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 287830.73 |
| PAEC #: | 62 | Northing: | 287830.73 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|--|
| cut to fill mounds for surface water detention |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 30/05/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--|
| Very minor cut to fill mounds for surface water detention. |
| |
| |

Reasoning:

| |
|------------------------------------|
| No further investigation required. |
| |

| | |
|-----|-------------------------------------|
| Yes | |
| No | <input checked="" type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 287954.98 |
| PAEC #: | 63 | Northing: | 287954.98 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|-----------------------------|
| Small scrap metal stockpile |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|-----------------------------|
| Small scrap metal stockpile |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 287906.34 |
| PAEC #: | 64 | Northing: | 287906.34 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|--------------------------------------|
| Fibro building with asbestos roofing |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--------------------------------------|
| Fibro building with asbestos roofing |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 287938.05 |
| PAEC #: | 65 | Northing: | 287938.05 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|---|
| fill mounds with anthropogenic materials observed |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--|
| Multiple fill mounds with anthropogenic materials observed |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 286686.55 |
| PAEC #: | 66 | Northing: | 286686.55 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|-----------------------|
| anthropogenic filling |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|-------------------------------------|
| Anthropogenic filling was observed. |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|--------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 286651 |
| PAEC #: | 67 | Northing: | 286651 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|---|
| anthropogenic stockpile (timber, tyres and scrap metal) |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|---|
| anthropogenic stockpile (timber, tyres and scrap metal) |
| |
| |

Reasoning:

| |
|------------------------------------|
| Possible surface contamination. |
| Further investigation is required. |

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285355.7 |
| PAEC #: | 68 | Northing: | 285355.7 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|-------------------|
| stockpile of soil |
| |
| |
| |

Follow up:

| |
|--|
| |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|---|
| Soil stockpile observed (Refer photography) |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 284351.87 |
| PAEC #: | 69 | Northing: | 284351.87 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|---|
| Wooden and timber derelict structure for hay storage. |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04/05/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|---|
| Wooden and timber derelict structure for hay storage. |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285430.6 |
| PAEC #: | 70 | Northing: | 285430.6 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|--|
| Airfield area consists of 30 000 L jet fuel tank, 10 000 L diesel tank, two 44 gallon drums of unleaded petrol, storage containers and other associated buildings. |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 04-05/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|---|
| Airfield area consists of 30000 L jet fuel tank, 10 000 L diesel tank, two 44 gallon drums of unleaded petrol, storage containers and other associated buildings. |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285397.06 |
| PAEC #: | 71 | Northing: | 285397.06 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|---------------------------|
| Crushed Asphalt stockpile |
| |
| |
| |

Follow up:

| |
|--|
| |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 30/05/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|----------------------------------|
| Large crushed asphalt stockpile. |
| |
| |

Reasoning:

| |
|--|
| |
| |

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 284777.27 |
| PAEC #: | 72 | Northing: | 284777.27 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|--|
| possible area of minor fill (slightly raised area) 50 m x 30 m |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 05/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--|
| possible area of minor fill (slightly raised area) 50 m x 30 m |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|---------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 284993 |
| PAEC #: | 73 | Northing: | 6210492 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|---|
| Minor filled drainage line with boulders observed and fencing material stockpiled adjacent. |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 05/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|---|
| Minor filled drainage line with boulders observed and fencing material stockpiled adjacent. |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285222.86 |
| PAEC #: | 74 | Northing: | 285222.86 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|---|
| Possible filled creek with cobbles and boulders observed on surface |
| |
| |
| |

Follow up:

| |
|--|
| |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 05/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|---|
| Possible filled creek with cobbles and boulders observed on surface |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285966.55 |
| PAEC #: | 75 | Northing: | 285966.55 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|---------------------------------------|
| An "L" shaped soil mound (0.5 m high) |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 05/6/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|---------------------------------------|
| An "L" shaped soil mound (0.5 m high) |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|--|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | |
| PAEC #: | 76 | Northing: | |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|------------------|
| Small soil mound |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 05/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|------------------|
| Small soil mound |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 286544.62 |
| PAEC #: | 77 | Northing: | 286544.62 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|-----------------------------|
| Dirt Ramp / mound observed. |
| |
| |
| |

Follow up:

| |
|--|
| |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 05/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|-----------------------------|
| Dirt Ramp / mound observed. |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285745.38 |
| PAEC #: | 78 | Northing: | 285745.38 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|-------------------------|
| Small stockpile of soil |
| |
| |
| |

Follow up:

| |
|--|
| |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 05/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|-------------------------|
| Small stockpile of soil |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285197.5 |
| PAEC #: | 79 | Northing: | 285197.5 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|--------------------------|
| Stockpile of scrap metal |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 05/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--------------------------|
| Stockpile of scrap metal |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|--|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | |
| PAEC #: | 80 | Northing: | |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|---|
| Access road within Governors hill (north of runway) has some fill in areas. |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 05/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|---|
| Access road within Governors hill (north of runway) has some fill in areas. |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|--------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285470 |
| PAEC #: | 81 | Northing: | 285470 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|---|
| Small fill mound with tyres observed on surface noted 20 m x 4 m. |
| |
| |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 05/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|---|
| Small fill mound with tyres observed on surface noted 20 m x 4 m. |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285110.1 |
| PAEC #: | 82 | Northing: | 285110.1 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|--|
| Anthropogenic material noted in and around dam with possible fill to the north and south of the dam within drainage line |
| |
| |
| |

Follow up:

| |
|--|
| |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 05/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--|
| Anthropogenic material noted in and around dam with possible fill to the north and south of the dam within drainage line |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285041.73 |
| PAEC #: | 83 | Northing: | 285041.73 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

Anthropogenic material were observed on the ground surface in the vicinity of three caravans and consisted of timber, brick, tyres and some plastics.

Follow up:

| |
|--|
| |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 05/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

Anthropogenic material were observed on the ground surface in the vicinity of three caravans and consisted of timber, brick, tyres and some plastics.

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|-----------|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | 285159.97 |
| PAEC #: | 84 | Northing: | 285159.97 |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|---------------------------------|
| Possible fill area 10 m x 10 m. |
| |
| |
| |

Follow up:

| |
|--|
| |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 05/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|---------------------------------|
| Possible fill area 10 m x 10 m. |
| |
| |

Reasoning:

| |
|---------------------------------|
| Further investigation required. |
| |

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

PAEC Identification & Inspection Log

Client: Elton Consulting
Project: Phase 1 Contamination Assessment
Location: Picton Rd, Wilton Junction

Project Number: 73467.00
Date: 30/05/13
Logged: BAH

Location:

| | | | |
|------------------|----------------------------|------------------------|--|
| Property: | Picton Rd, Wilton Junction | GPS Coordinates | |
| Grid Ref: | | Easting: | |
| PAEC #: | 85 | Northing: | |

Identified from:

Site Inspection ☒ Conductivity Data ☐ Other (list below):
 Title Deed info. ☐ Interviews ☐ Council Records
 Geotechnical ☐ Aerial Photography _____
 Historical Society ☐ Year: _____

Details:

| |
|---|
| Area of landfill, storage containers and anthropogenic materials observed in stockpiles and Scattered on ground surface. Possible asbestos fragments were observed on surface of land fill. |
| |

Follow up:

| |
|-----------------|
| Site inspection |
| |

Inspection Details:

| | | | |
|--------------------|---------------|---------------|-----|
| Inspected by: | BAH | Photographed: | Yes |
| Date Inspected: | 05/06/13 | | |
| Inspection Method: | Site walkover | | |

Observations:

| |
|--|
| Area of landfill, storage containers and anthropogenic materials observed in stockpiles and Scattered on ground surface. Possible asbestos fragments were observed on surface of landfill. |
| |

Reasoning:

| |
|--------------------------------|
| Further Investigation Required |
| |

| | |
|-----|-------------------------------------|
| Yes | <input checked="" type="checkbox"/> |
| No | <input type="checkbox"/> |

Appendix E

Provided Section 149 Certificates



WOLLONDILLY SHIRE COUNCIL

PLANNING CERTIFICATE UNDER
SECTION 149 ENVIRONMENTAL PLANNING
AND ASSESSMENT ACT 1979.

Cert. No.: 941/99
Page No.: 1
Receipt No.: 31459
Date: 18 Feb 1999

Ref.: MZC-COR FARMS

Appln No.: 1672/99

Ppty: 369.145

QUICKER ENQUIRIES
DX 820
SYDNEY

Owner (as recorded by Council):
COR FARM PTY LTD
GPO BOX 3845
SYDNEY NSW 2001

Property Desc: PICTON ROAD, WILTON 2571
DP 702024 Lot 2 ✓

For the purpose of Section 149(2) of the Act as at the date of this certificate the abovementioned land is affected by the following Planning Instruments:

PLANNING INSTRUMENT

WOLLONDILLY LOCAL ENVIRONMENTAL PLAN
1991, gazetted on 23rd August 1991 in
Government Gazette No. 119 and as
subsequently amended.

ZONING

* RURAL 1(a1)

(i) OBJECTIVES OF ZONE

The objectives of this zone are -

- (a) to protect the agricultural potential of rural land and to prevent fragmentation of viable rural holdings; and
- (b) to prevent inappropriate, premature and sporadic subdivisions and to ensure consolidation of urban areas so as to enhance the prospect of economic provision of services; and
- (c) to prevent, on the fringe of urban areas, subdivision of land into small lots which would prejudice the proper layout of additional urban areas as a result of natural growth; and
- (d) to retain the scenic quality and overall character of the land; and
- (e) to encourage agricultural activities that are within the rural capability of the land.

(ii) WITHOUT DEVELOPMENT CONSENT

Agriculture (other than intensive livestock keeping establishments) ;
alterations to dwelling-houses.

(iii) ONLY WITH DEVELOPMENT CONSENT

Any purpose other than a purpose included in Item (ii) of (iv).

(iv) PROHIBITED

Amusement centres; boarding-houses; car repair stations; commercial premises; industries (other than extractive, offensive, hazardous or rural industries); motor showrooms; residential flat buildings; service stations; shops (other than general stores and produce stores).

Specific Clauses in Wollondilly LEP 1991 relevant to the above zone;

Continued

PLANNING CERTIFICATE UNDER
SECTION 149 ENVIRONMENTAL PLANNING

Cert. No.: 941/99
Page No.: 2

Clause 14 : Allows a rural workers dwelling only with Council consent.
Clause 14A : Allows bed and breakfast establishments only with the consent of Council.
Clause 15 : Allows the use of a building or part of a building for the purpose of home activity only with the consent of Council.
Clause 15A : Allows animal boarding or training establishments only with the consent of Council.
Clause 24 : Allows the erection of a dwelling to be used as an exhibition home only with the consent of Council.
Clause 25 : Provides guidelines for the erection and use of produce stores.
Clause 28 : Indicates the setback requirements for specific development which is located on land with frontage to an arterial road.
Clause 29 : Provides access requirements relating to development on land fronting arterial roads.
Clause 40 : Allows temporary use of land for any purpose (but not for designated development) for a maximum period of twelve days, whether consecutive or non-consecutive, in any one year with Council consent.

DRAFT PLANNING INSTRUMENT

DRAFT ENVIRONMENTAL PLAN 1991

ZONING

Amendment No. 5
RIPARIAN BUFFER ZONE

AIMS & OBJECTIVES

This plan aims:-

- (a) to declare a Riparian Buffer zone along the Bargo, Cataract, Georges and Nepean Rivers;
- (b) to require development consent for all development within the Riparian Buffer zone and to ensure that the impact of any proposed development on water quality and habitat areas of the rivers is considered.

DRAFT PLANNING INSTRUMENT

DRAFT LOCAL ENVIRONMENTAL PLAN 1991
Amendment No. 30

ZONING

REVIEW OF AGRICULTURAL DEFINITIONS

Introduces new definitions for Extensive Agriculture, Sustainable agricultural use and amends existing definitions for Intensive horticulture, Intensive livestock keeping establishments, and opportunity feedlots.

1. STATE ENVIRONMENTAL PLANNING POLICIES:

S.E.P.P. No. 5 - HOUSING FOR OLDER PEOPLE OR PEOPLE WITH A DISABILITY

This policy aims to increase the availability, and to provide a wider choice, of accommodation for aged persons or disabled persons. It also establishes development standards and requirements for support services in relation to such developments. This policy applies to residentially zoned lands and land adjoining residential areas.

Continued

PLANNING CERTIFICATE UNDER
SECTION 149 ENVIRONMENTAL PLANNING

Cert. No.: 941/99
Page No.: 3

S.E.P.P. No. 9 - GROUP HOMES

This policy controls the development of group homes on all lands where dwellings are allowed.

S.E.P.P. No. 11 - TRAFFIC GENERATING DEVELOPMENTS

This policy provides that applications for development listed in Schedules 1 and 2 of the policy shall be referred to the Traffic Authority for its views prior to determination.

S.E.P.P. No. 22 - SHOPS AND COMMERCIAL PREMISES

The policy allows with the consent of Council, a change of use from a shop to another kind of shop or commercial premises where the new use is prohibited under an Environmental Planning Instrument, if the Council is satisfied that the change of use will have not more than a minor environmental impact and is in keeping with the objectives (if any) of the zone.

S.E.P.P. No. 44 - KOALA HABITAT PROTECTION

The policy aims to encourage the proper conservation and management of areas of natural vegetation that provide habitat for koalas, to ensure a permanent free-living population over their present range and reverse the current trend of koala population decline. It requires koala plans of management to be prepared as accompanying documents for development applications which propose to involve areas of core koala habitat. The KPOM must be approved by the Director-General of the Department of Urban Affairs and Planning. It also encourages the identification of core koala habitat for entire regions and the inclusion of these areas in environment protection zones.

S.E.P.P. No. 55 - REMEDIATION OF LAND

This plan aims to promote the remediation of contaminated land for the purpose of reducing risk of harm to human health or any other aspect of the environment. The policy applies to the whole state, to ensure that remediation is permissible development and is always carried out to a high standard. It specifies when consent is required for remediation and lists its considerations that are relevant when rezoning land and determining development applications.

S.E.P.P. No. 58 - PROTECTING SYDNEYS WATER SUPPLY.

Provides that applications listed in Schedule 1 and 2 of the policy on land within the hydrological catchment from which Sydney draws its drinking water and as identified on maps held by Council, require concurrence of or notification to the Director-General of the Department of Urban Affairs and Planning.

2.S.E.P.P. No. 46 - PROTECTION AND MANAGEMENT OF NATIVE VEGETATION

The policy aims to regulate clearing of native vegetation in the environmental, social and economic interests of the State. In specified Council areas (Schedule 1), the policy applies to all non-residential land not excluded by virtue of Clause 3. Consent for clearing of native vegetation over any area greater than two hectares must be issued by the Director-General of the Department of Land and Water Conservation, except where that clearing is in compliance with an approved interim Regional Vegetation Management Plan or an approved Code of Practice, or where the clearing is an exempt activity specified in Schedule 3.

3.REGIONAL ENVIRONMENTAL PLANS:

R.E.P. No.9 - EXTRACTIVE INDUSTRIES

This plan on certain lands permits with consent or prohibits extractive industries.

Continued

R.E.P. No. 20 - HAWKESBURY-NEPEAN RIVER

Development for extractive industries is prohibited in some areas. Consent of Council and the concurrence of the Director-General is required for maintenance dredging and extractive operations carried out downstream of the Wallacia Bridge as a consequence of, and ancillary to, works for flood mitigation, bank stabilisation, the construction of bridges or other instream structures (such as marinas) or the licensed or unlicensed withdrawal of water where extraction is necessary to carry out the works. Some intensive animal industries and potentially hazardous or offensive industries are prohibited if carried out on a floodway. Development in mapped wetlands requires the consent of Council and the concurrence of the Director-General of Urban Affairs and Planning. Consent of Council is also required for the following development types as defined in the SREP: caravan parks or camping grounds; composting facilities or works; buildings works or land uses within conservation area sub-catchments; remediation of contaminated land; filling; certain activities in relation to items of non-aboriginal heritage; intensive horticulture establishments; some intensive animal industries; manufactured home estates; marinas; recreational facilities; land uses in or near the river; land uses in riverine scenic areas; sewerage systems or works; and waste management facilities.

4. MINIMUM AREA FOR ERECTION OF A DWELLING HOUSE

Normal minimum area for construction of a dwelling house is 40ha.

5. ERECTION OF A DWELLING HOUSE

Under the provisions of the Planning Instrument a dwelling house MAY be erected provided there is no existing dwelling, subject to Council's approval.

6. DEMOLITION OF BUILDINGS

The demolition of buildings on the subject property does not require development consent.

7. THE LAND IS AFFECTED BY THE FOLLOWING DEVELOPMENT CONTROL PLANS:

8. D.C.P. No. 7 - OFF STREET CAR PARKING

Council has prepared the subject plan which provides requirements for off street car parking. It gives details of Council's development standards for the construction of car parks.

D.C.P. No. 22 - BUSHFIRE MITIGATION

This plan has been prepared in order to ensure that the appropriate development occurs in areas that have been identified as having a high or medium bushfire hazard. Council's Development and Environment Division should be contacted prior to any application for building or development on the land within the Wollondilly area to determine whether it is affected by this plan.

D.C.P. No. - EARTH DAMS

The intention of this plan is to provide standards and guidelines relating to the construction of earth dams.

D.C.P. No. 43 - POULTRY

Council has adopted a Development Control Plan for poultry farms. The separation distances contained within this document may affect development of land.

9. D.C.P No 36 - DEVELOPMENT IN RURAL AREAS

Continued

PLANNING CERTIFICATE UNDER
SECTION 149 ENVIRONMENTAL PLANNING

Cert. No.: 941/99
Page No.: 5

The purpose of this plan is to ensure that development that is carried out in rural zoned areas do not detract from the rural amenity. To help achieve this, the plan provides controls and guidelines relating to :-

- subdivision
- agriculture
- residential development
- non residential development
- services

10.D.C.P. No. 19 - KEEPING OF DOGS FOR COMMERCIAL PURPOSES

The intention of this plan is to provide development controls for the keeping of dogs for commercial purposes. These controls include density, siting and noise impacts, kennel construction standards, yard areas and drainage. Further information may be obtained from Council's Development and Environment Division.

11.SECTION 94 CONTRIBUTION PLAN

Wollondilly Section 94 Contribution Plan 1993 applies to this property. Rural or Residential subdivision or the building of more than one dwelling will require a monetary contribution as outlined in the Section 94 Contributions Plan. For further details, please contact Council's Development and Environment Division.

12.SECTION 101 DIRECTIONS

COAL MINING

The Minister for Planning has directed Wollondilly Council to refer all development applications for new coal mines that require new coal leases as provided for under Section 41 of the Coal Mining Act, 1973, to the Secretary of the Department for the Minister's determination.

13.COASTAL PROTECTION ACT

There has been no notification from the Department of Public Works that the land is subject to the operation of Sec.38 or 39 of the Coastal Protection Act, 1979.

14.TREE PRESERVATION ORDER

The subject land is affected by a Tree Preservation Order.

15.MINE SUBSIDENCE

The land is within a proclaimed Mine Subsidence District and may be affected by surface development controls to prevent damage from old, current or future coal mining. Approval of the Mines Subsidence Board is required prior to any building or subdivision. Plans of existing and abandoned mine workings are available for viewing at the Mines Subsidence Board's Offices.

16.ROAD WIDENING OR REALIGNMENT

The land is not affected by any road widening or road realignment under division 2 of Part 3 of the Roads Act, 1993 or any environmental planning instrument or any resolution of Council.

17.Clauses 20 and 36 of Wollondilly LEP 1991 restrict respectively the development of land within a mine subsidence district within the meaning of Section 15 of the Mines Subsidence Compensation Act, 1961 and land which, in the opinion of Council, is subject to bush fire hazard. Council has not otherwise by resolution

Continued

PLANNING CERTIFICATE UNDER
SECTION 149 ENVIRONMENTAL PLANNING

Cert. No.: 941/99
Page No.: 6

adopted a policy to restrict the development of land because of the likelihood of landslip, bush fire, flooding, tidal inundation, subsidence or other risk.

18. LAND AFFECTED BY UNEXPLODED ORDINANCE

The Department of Defence has advised Council that the subject land is within the general location of a World War II bombing range. Further information can be obtained from:-

Assistant Director, Projects
Logistic Planning
Department of Defence
PO Box E33
QUEEN VICTORIA TERRACE ACT 2600

19. AGRICULTURAL ACTIVITIES

AGRICULTURAL ACTIVITIES WITHIN RURAL AREAS.

It should be noted that the subject property is located within a rural zoned area. In this area there are certain agricultural activities that some people may find offensive, accordingly this should be taken into account, especially with regard to the siting and design of dwelling houses.

20. INTENSIVE HORTICULTURE

Council on 24 February 1992 adopted guidelines for the erection of structures associated with intensive horticulture, including igloos & hothouses. A copy of the policy and further information in this regard is available from Council's Development and Environment Division.

21. GENERAL ADVICE FOR BUILDING.

Building lots can be affected by excessive land gradient, filling, reactive or dispersive soils, overland flow and/or mine subsidence. Buildings, structures or site works may require specific structural design to ensure proper building construction. Consequently, some building applications may require the submission of structural design details and geotechnical reports.

22. The land is not affected by any resolution of Council to amend any deemed Environmental Plan, Development Control Plan, draft Development Control Plan applying to this land.

23. COUNCIL RESOLUTION

Council at its meeting of 14 September, 1998 resolved to prepare a Draft Local Environmental Plan to define Dual Occupancy development in urban and rural areas identify its permissibility and provide principles for this form of development.

PART C

ADDITIONAL INFORMATION PROVIDED IN ACCORDANCE WITH SECTION 149(5) OF THE ACT.

1. The subject land is not affected by a Foreshore Building Line.
2. The subject land does not have a frontage to a controlled access road.

3. SECOND SYDNEY AIRPORT PROPOSAL

In November 1996 the Commonwealth Government released details of five airport options being considered for the development of a second major airport for Sydney at either Badgerys Creek or the Holsworthy Military Area. In September

Continued

PLANNING CERTIFICATE UNDER
SECTION 149 ENVIRONMENTAL PLANNING



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Page No.: 7

1997, the Government abandoned the Holsworthy option and announced that the Draft Environmental Impact Statement would concentrate on Badgerys Creek. The Government also released the Draft Environmental Impact Statement Summary which gives an indication of the impact of the proposal on the local environment. Information on the proposal and the Summary of the Draft Environmental Impact Statement can be obtained from the Second Sydney Airport Telephone Information Line on 1800 818017 or from the Second Sydney Airport Community Access Centre at 43 Moore Street Liverpool.

1.NOTE:

In respect of matters beyond the control and/or responsibility of Council, information provided in Parts B and C above is provided only to the extent that Council has been so notified by the relevant Authorities or Departments having responsibility for the administration of the particular status referred to.

For further information, please contact..
Development & Environment Div.


Graham Taylor
GENERAL MANAGER
per: 



WOLLONDILLY SHIRE COUNCIL

PLANNING CERTIFICATE UNDER
SECTION 149 ENVIRONMENTAL PLANNING
AND ASSESSMENT ACT 1979.

Cert. No.: 942/99
Page No.: 1
Receipt No.: 31459
Date: 18 Feb 1999

Ref.: MZC-COR FARMS

Appln No.: 1673/99

Ppty: 566.243

QUICKER ENQUIRIES
DX 820
SYDNEY

Owner (as recorded by Council):
NILOC PTY LTD
GPO BOX 3845
SYDNEY NSW 2001

Property Desc: MENANGLE ROAD, WILTON 2571
DP 702024 Lot 4 ✓

For the purpose of Section 149(2) of the Act as at the date of this certificate the abovementioned land is affected by the following Planning Instruments:

PLANNING INSTRUMENT

WOLLONDILLY LOCAL ENVIRONMENTAL PLAN
1991, gazetted on 23rd August 1991 in
Government Gazette No. 119 and as
subsequently amended.

ZONING

✓ RURAL 1(a1)

(i) OBJECTIVES OF ZONE

The objectives of this zone are -

- (a) to protect the agricultural potential of rural land and to prevent fragmentation of viable rural holdings; and
- (b) to prevent inappropriate, premature and sporadic subdivisions and to ensure consolidation of urban areas so as to enhance the prospect of economic provision of services; and
- (c) to prevent, on the fringe of urban areas, subdivision of land into small lots which would prejudice the proper layout of additional urban areas as a result of natural growth; and
- (d) to retain the scenic quality and overall character of the land; and
- (e) to encourage agricultural activities that are within the rural capability of the land.

(ii) WITHOUT DEVELOPMENT CONSENT

Agriculture (other than intensive livestock keeping establishments) ;
alterations to dwelling-houses.

(iii) ONLY WITH DEVELOPMENT CONSENT

Any purpose other than a purpose included in Item (ii) of (iv).

(iv) PROHIBITED

Amusement centres; boarding-houses; car repair stations; commercial premises; industries (other than extractive, offensive, hazardous or rural industries); motor showrooms; residential flat buildings; service stations; shops (other than general stores and produce stores).

Specific Clauses in Wollondilly LEP 1991 relevant to the above zone;

Continued

PLANNING CERTIFICATE UNDER
SECTION 149 ENVIRONMENTAL PLANNING

Cert. No.: 942/99
Page No.: 2

Clause 14 : Allows a rural workers dwelling only with Council consent.
Clause 14A : Allows bed and breakfast establishments only with the consent of Council.
Clause 15 : Allows the use of a building or part of a building for the purpose of home activity only with the consent of Council.
Clause 15A : Allows animal boarding or training establishments only with the consent of Council.
Clause 24 : Allows the erection of a dwelling to be used as an exhibition home only with the consent of Council.
Clause 25 : Provides guidelines for the erection and use of produce stores.
Clause 28 : Indicates the setback requirements for specific development which is located on land with frontage to an arterial road.
Clause 29 : Provides access requirements relating to development on land fronting arterial roads.
Clause 40 : Allows temporary use of land for any purpose (but not for designated development) for a maximum period of twelve days, whether consecutive or non-consecutive, in any one year with Council consent.

DRAFT PLANNING INSTRUMENT

DRAFT LOCAL ENVIRONMENTAL PLAN 1991
Amendment No. 30

ZONING

REVIEW OF AGRICULTURAL DEFINITIONS

Introduces new definitions for Extensive Agriculture, Sustainable agricultural use and amends existing definitions for Intensive horticulture, Intensive livestock keeping establishments, and opportunity feedlots.

1. STATE ENVIRONMENTAL PLANNING POLICIES:

S.E.P.P. No. 5 - HOUSING FOR OLDER PEOPLE OR PEOPLE WITH A DISABILITY

This policy aims to increase the availability, and to provide a wider choice, of accommodation for aged persons or disabled persons. It also establishes development standards and requirements for support services in relation to such developments. This policy applies to residentially zoned lands and land adjoining residential areas.

S.E.P.P. No. 9 - GROUP HOMES

This policy controls the development of group homes on all lands where dwellings are allowed.

S.E.P.P. No. 11 - TRAFFIC GENERATING DEVELOPMENTS

This policy provides that applications for development listed in Schedules 1 and 2 of the policy shall be referred to the Traffic Authority for its views prior to determination.

S.E.P.P. No. 22 - SHOPS AND COMMERCIAL PREMISES

The policy allows with the consent of Council, a change of use from a shop to another kind of shop or commercial premises where the new use is prohibited under an Environmental Planning Instrument, if the Council is satisfied that the change of use will have not more than a minor environmental impact and is in keeping with the objectives (if any) of the zone.

Continued

S.E.P.P. No. 44 - KOALA HABITAT PROTECTION

The policy aims to encourage the proper conservation and management of areas of natural vegetation that provide habitat for koalas, to ensure a permanent free-living population over their present range and reverse the current trend of koala population decline. It requires koala plans of management to be prepared as accompanying documents for development applications which propose to involve areas of core koala habitat. The KPOM must be approved by the Director-General of the Department of Urban Affairs and Planning. It also encourages the identification of core koala habitat for entire regions and the inclusion of these areas in environment protection zones.

S.E.P.P. No. 55 - REMEDIATION OF LAND

This plan aims to promote the remediation of contaminated land for the purpose of reducing risk of harm to human health or any other aspect of the environment. The policy applies to the whole state, to ensure that remediation is permissible development and is always carried out to a high standard. It specifies when consent is required for remediation and lists its considerations that are relevant when rezoning land and determining development applications.

S.E.P.P. No. 58 - PROTECTING SYDNEYS WATER SUPPLY.

Provides that applications listed in Schedule 1 and 2 of the policy on land within the hydrological catchment from which Sydney draws its drinking water and as identified on maps held by Council, require concurrence of or notification to the Director-General of the Department of Urban Affairs and Planning.

2.S.E.P.P. No. 46 - PROTECTION AND MANAGEMENT OF NATIVE VEGETATION

The policy aims to regulate clearing of native vegetation in the environmental, social and economic interests of the State. In specified Council areas (Schedule 1), the policy applies to all non-residential land not excluded by virtue of Clause 3. Consent for clearing of native vegetation over any area greater than two hectares must be issued by the Director-General of the Department of Land and Water Conservation, except where that clearing is in compliance with an approved interim Regional Vegetation Management Plan or an approved Code of Practice, or where the clearing is an exempt activity specified in Schedule 3.

3.REGIONAL ENVIRONMENTAL PLANS:

R.E.P. No.9 - EXTRACTIVE INDUSTRIES

This plan on certain lands permits with consent or prohibits extractive industries.

R.E.P. No. 20 - HAWKESBURY-NEPEAN RIVER

Development for extractive industries is prohibited in some areas. Consent of Council and the concurrence of the Director-General is required for maintenance dredging and extractive operations carried out downstream of the Wallacia Bridge as a consequence of, and ancillary to, works for flood mitigation, bank stabilisation, the construction of bridges or other instream structures (such as marinas) or the licensed or unlicensed withdrawal of water where extraction is necessary to carry out the works. Some intensive animal industries and potentially hazardous or offensive industries are prohibited if carried out on a floodway. Development in mapped wetlands requires the consent of Council and the concurrence of the Director-General of Urban Affairs and Planning. Consent of Council is also required for the following development types as defined in the SREP: caravan parks or camping grounds; composting facilities or works; buildings works or land uses within conservation area sub-catchments; remediation of contaminated land; filling; certain activities in relation to

Continued

items of non-aboriginal heritage; intensive horticulture establishments; some intensive animal industries; manufactured home estates; marinas; recreational facilities; land uses in or near the river; land uses in riverine scenic areas; sewerage systems or works; and waste management facilities.

4. MINIMUM AREA FOR ERECTION OF A DWELLING HOUSE

Normal minimum area for construction of a dwelling house is 40ha.

5. ERECTION OF A DWELLING HOUSE

Under the provisions of the planning instrument a dwelling house may not be erected.

6. DEMOLITION OF BUILDINGS

The demolition of buildings on the subject property does not require development consent.

7. THE LAND IS AFFECTED BY THE FOLLOWING DEVELOPMENT CONTROL PLANS:

8. D.C.P. No. 7 - OFF STREET CAR PARKING

Council has prepared the subject plan which provides requirements for off street car parking. It gives details of Council's development standards for the construction of car parks.

D.C.P. No. 22 - BUSHFIRE MITIGATION

This plan has been prepared in order to ensure that the appropriate development occurs in areas that have been identified as having a high or medium bushfire hazard. Council's Development and Environment Division should be contacted prior to any application for building or development on the land within the Wollondilly area to determine whether it is affected by this plan.

D.C.P. No. - EARTH DAMS

The intention of this plan is to provide standards and guidelines relating to the construction of earth dams.

D.C.P. No. 43 - POULTRY

Council has adopted a Development Control Plan for poultry farms. The separation distances contained within this document may affect development of land.

9. D.C.P No 36 - DEVELOPMENT IN RURAL AREAS

The purpose of this plan is to ensure that development that is carried out in rural zoned areas do not detract from the rural amenity. To help achieve this, the plan provides controls and guidelines relating to :-

- subdivision
- agriculture
- residential development
- non residential development
- services

10. D.C.P. No. 19 - KEEPING OF DOGS FOR COMMERCIAL PURPOSES

The intention of this plan is to provide development controls for the keeping of dogs for commercial purposes. These controls include density, siting and noise impacts, kennel construction standards, yard areas and drainage. Further information may be obtained from Council's Development and Environment Division.

Continued

11. SECTION 94 CONTRIBUTION PLAN

Wollondilly Section 94 Contribution Plan 1993 applies to this property. Rural or Residential subdivision or the building of more than one dwelling will require a monetary contribution as outlined in the Section 94 Contributions Plan. For further details, please contact Council's Development and Environment Division.

12. SECTION 101 DIRECTIONS
COAL MINING

The Minister for Planning has directed Wollondilly Council to refer all development applications for new coal mines that require new coal leases as provided for under Section 41 of the Coal Mining Act, 1973, to the Secretary of the Department for the Minister's determination.

13. COASTAL PROTECTION ACT

There has been no notification from the Department of Public Works that the land is subject to the operation of Sec.38 or 39 of the Coastal Protection Act, 1979.

14. TREE PRESERVATION ORDER

The subject land is affected by a Tree Preservation Order.

15. MINE SUBSIDENCE

The land is within a proclaimed Mine Subsidence District and may be affected by surface development controls to prevent damage from old, current or future coal mining. Approval of the Mines Subsidence Board is required prior to any building or subdivision. Plans of existing and abandoned mine workings are available for viewing at the Mines Subsidence Board's Offices.

16. ROAD WIDENING OR REALIGNMENT

The land is not affected by any road widening or road realignment under division 2 of Part 3 of the Roads Act, 1993 or any environmental planning instrument or any resolution of Council.

17. Clauses 20 and 36 of Wollondilly LEP 1991 restrict respectively the development of land within a mine subsidence district within the meaning of Section 15 of the Mines Subsidence Compensation Act, 1961 and land which, in the opinion of Council, is subject to bush fire hazard. Council has not otherwise by resolution adopted a policy to restrict the development of land because of the likelihood of landslip, bush fire, flooding, tidal inundation, subsidence or other risk.

18. AGRICULTURAL ACTIVITIES

AGRICULTURAL ACTIVITIES WITHIN RURAL AREAS.

It should be noted that the subject property is located within a rural zoned area. In this area there are certain agricultural activities that some people may find offensive, accordingly this should be taken into account, especially with regard to the siting and design of dwelling houses.

19. INTENSIVE HORTICULTURE

Council on 24 February 1992 adopted guidelines for the erection of structures associated with intensive horticulture, including igloos & hothouses. A copy of the policy and further information in this regard is available from Council's Development and Environment Division.

Continued

PLANNING CERTIFICATE UNDER
SECTION 149 ENVIRONMENTAL PLANNING

Cert. No.: 942/99
Page No.: 6

20. GENERAL ADVICE FOR BUILDING.

Building lots can be affected by excessive land gradient, filling, reactive or dispersive soils, overland flow and/or mine subsidence. Buildings, structures or site works may require specific structural design to ensure proper building construction. Consequently, some building applications may require the submission of structural design details and geotechnical reports.

21. The land is not affected by any resolution of Council to amend any deemed Environmental Plan, Development Control Plan, draft Development Control Plan applying to this land.

22. COUNCIL RESOLUTION

Council at its meeting of 14 September, 1998 resolved to prepare a Draft Local Environmental Plan to define Dual Occupancy development in urban and rural areas identify its permissibility and provide principles for this form of development.

PART C

ADDITIONAL INFORMATION PROVIDED IN ACCORDANCE WITH SECTION 149(5) OF THE ACT.

1. The subject land is not affected by a Foreshore Building Line.
2. The subject land does not have a frontage to a controlled access road.

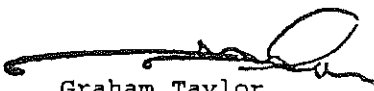

3. SECOND SYDNEY AIRPORT PROPOSAL

In November 1996 the Commonwealth Government released details of five airport options being considered for the development of a second major airport for Sydney at either Badgerys Creek or the Holsworthy Military Area. In September 1997, the Government abandoned the Holsworthy option and announced that the Draft Environmental Impact Statement would concentrate on Badgerys Creek. The Government also released the Draft Environmental Impact Statement Summary which gives an indication of the impact of the proposal on the local environment. Information on the proposal and the Summary of the Draft Environmental Impact Statement can be obtained from the Second Sydney Airport Telephone Information Line on 1800 818017 or from the Second Sydney Airport Community Access Centre at 43 Moore Street Liverpool.

1. NOTE:

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For further information, please contact..
Development & Environment Div.


Graham Taylor
GENERAL MANAGER
per: 



WOLLONDILLY SHIRE COUNCIL

PLANNING CERTIFICATE UNDER
SECTION 149 ENVIRONMENTAL PLANNING
AND ASSESSMENT ACT 1979.

Cert. No.: 913/99
Page No.: 1
Receipt No.: 30835
Date: 11 Feb 1999

Ref.: MZC/COR FARMS

Appln No.: 1616/99

Ppty: 369.140

QUICKER ENQUIRIES
DX 820
SYDNEY

Owner (as recorded by Council):
COR FARM PTY LTD
GPO BOX 3845
SYDNEY NSW 2001

Property Desc: 585 PICTON ROAD, WILTON 2571
DP 629828 Lot 1

For the purpose of Section 149(2) of the Act as at the date of this certificate the abovementioned land is affected by the following Planning Instruments:

PLANNING INSTRUMENT

WOLLONDILLY LOCAL ENVIRONMENTAL PLAN
1991, gazetted on 23rd August 1991 in
Government Gazette No. 119 and as
subsequently amended.

ZONING

RURAL 1(a1)

(i) OBJECTIVES OF ZONE

The objectives of this zone are -

- (a) to protect the agricultural potential of rural land and to prevent fragmentation of viable rural holdings; and
- (b) to prevent inappropriate, premature and sporadic subdivisions and to ensure consolidation of urban areas so as to enhance the prospect of economic provision of services; and
- (c) to prevent, on the fringe of urban areas, subdivision of land into small lots which would prejudice the proper layout of additional urban areas as a result of natural growth; and
- (d) to retain the scenic quality and overall character of the land; and
- (e) to encourage agricultural activities that are within the rural capability of the land.

(ii) WITHOUT DEVELOPMENT CONSENT

Agriculture (other than intensive livestock keeping establishments) ;
alterations to dwelling-houses.

(iii) ONLY WITH DEVELOPMENT CONSENT

Any purpose other than a purpose included in Item (ii) of (iv).

(iv) PROHIBITED

Amusement centres; boarding-houses; car repair stations; commercial premises; industries (other than extractive, offensive, hazardous or rural industries); motor showrooms; residential flat buildings; service stations; shops (other than general stores and produce stores).

Specific Clauses in Wollondilly LEP 1991 relevant to the above zone;

Continued

PLANNING CERTIFICATE UNDER
SECTION 149 ENVIRONMENTAL PLANNING

Cert. No.: 913/99
Page No.: 2

Clause 14 : Allows a rural workers dwelling only with Council consent.
Clause 14A : Allows bed and breakfast establishments only with the consent of Council.
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Clause 15A : Allows animal boarding or training establishments only with the consent of Council.
Clause 24 : Allows the erection of a dwelling to be used as an exhibition home only with the consent of Council.
Clause 25 : Provides guidelines for the erection and use of produce stores.
Clause 28 : Indicates the setback requirements for specific development which is located on land with frontage to an arterial road.
Clause 29 : Provides access requirements relating to development on land fronting arterial roads.
Clause 40 : Allows temporary use of land for any purpose (but not for designated development) for a maximum period of twelve days, whether consecutive or non-consecutive, in any one year with Council consent.

DRAFT PLANNING INSTRUMENT

DRAFT ENVIRONMENTAL PLAN 1991

ZONING

Amendment No. 5
RIPARIAN BUFFER ZONE

AIMS & OBJECTIVES

This plan aims:-

- (a) to declare a Riparian Buffer zone along the Bargo, Cataract, Georges and Nepean Rivers;
- (b) to require development consent for all development within the Riparian Buffer zone and to ensure that the impact of any proposed development on water quality and habitat areas of the rivers is considered.

DRAFT PLANNING INSTRUMENT

DRAFT LOCAL ENVIRONMENTAL PLAN 1991
Amendment No. 30

ZONING

REVIEW OF AGRICULTURAL DEFINITIONS

Introduces new definitions for Extensive Agriculture, Sustainable agricultural use and amends existing definitions for Intensive horticulture, Intensive livestock keeping establishments, and opportunity feedlots.

1.STATE ENVIRONMENTAL PLANNING POLICIES:

S.E.P.P. No. 5 - HOUSING FOR OLDER PEOPLE OR PEOPLE WITH A DISABILITY

This policy aims to increase the availability, and to provide a wider choice, of accommodation for aged persons or disabled persons. It also establishes development standards and requirements for support services in relation to such developments. This policy applies to residentially zoned lands and land adjoining residential areas.

Continued

S.E.P.P. No. 9 - GROUP HOMES

This policy controls the development of group homes on all lands where dwellings are allowed.

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This policy provides that applications for development listed in Schedules 1 and 2 of the policy shall be referred to the Traffic Authority for its views prior to determination.

S.E.P.P. No. 22 - SHOPS AND COMMERCIAL PREMISES

The policy allows with the consent of Council, a change of use from a shop to another kind of shop or commercial premises where the new use is prohibited under an Environmental Planning Instrument, if the Council is satisfied that the change of use will have not more than a minor environmental impact and is in keeping with the objectives (if any) of the zone.

S.E.P.P. No. 44 - KOALA HABITAT PROTECTION

The policy aims to encourage the proper conservation and management of areas of natural vegetation that provide habitat for koalas, to ensure a permanent free-living population over their present range and reverse the current trend of koala population decline. It requires koala plans of management to be prepared as accompanying documents for development applications which propose to involve areas of core koala habitat. The KPOM must be approved by the Director-General of the Department of Urban Affairs and Planning. It also encourages the identification of core koala habitat for entire regions and the inclusion of these areas in environment protection zones.

S.E.P.P. No. 55 - REMEDIATION OF LAND

This plan aims to promote the remediation of contaminated land for the purpose of reducing risk of harm to human health or any other aspect of the environment. The policy applies to the whole state, to ensure that remediation is permissible development and is always carried out to a high standard. It specifies when consent is required for remediation and lists its considerations that are relevant when rezoning land and determining development applications.

S.E.P.P. No. 58 - PROTECTING SYDNEYS WATER SUPPLY.

Provides that applications listed in Schedule 1 and 2 of the policy on land within the hydrological catchment from which Sydney draws its drinking water and as identified on maps held by Council, require concurrence of or notification to the Director-General of the Department of Urban Affairs and Planning.

2.S.E.P.P. No. 46 - PROTECTION AND MANAGEMENT OF NATIVE VEGETATION

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3.REGIONAL ENVIRONMENTAL PLANS:

R.E.P. No.9 - EXTRACTIVE INDUSTRIES

This plan on certain lands permits with consent or prohibits extractive industries.

Continued

PLANNING CERTIFICATE UNDER
SECTION 149 ENVIRONMENTAL PLANNING

Cert. No.: 913/99
Page No.: 4

R.E.P. No. 20 - HAWKESBURY-NEPEAN RIVER

Development for extractive industries is prohibited in some areas. Consent of Council and the concurrence of the Director-General is required for maintenance dredging and extractive operations carried out downstream of the Wallacia Bridge as a consequence of, and ancillary to, works for flood mitigation, bank stabilisation, the construction of bridges or other instream structures (such as marinas) or the licensed or unlicensed withdrawal of water where extraction is necessary to carry out the works. Some intensive animal industries and potentially hazardous or offensive industries are prohibited if carried out on a floodway. Development in mapped wetlands requires the consent of Council and the concurrence of the Director-General of Urban Affairs and Planning. Consent of Council is also required for the following development types as defined in the SREP: caravan parks or camping grounds; composting facilities or works; buildings works or land uses within conservation area sub-catchments; remediation of contaminated land; filling; certain activities in relation to items of non-aboriginal heritage; intensive horticulture establishments; some intensive animal industries; manufactured home estates; marinas; recreational facilities; land uses in or near the river; land uses in riverine scenic areas; sewerage systems or works; and waste management facilities.

4. MINIMUM AREA FOR ERECTION OF A DWELLING HOUSE

Normal minimum area for construction of a dwelling house is 40ha.

5. ERECTION OF A DWELLING HOUSE

Under the provisions of the Planning Instrument a dwelling house MAY be erected provided there is no existing dwelling, subject to Council's approval.

* 6. LAND SLIP

The subject land is located within an area being subject to mass movement as identified in the Macarthur Environmental Study. Accordingly, the land may be subject to slip or subsidence. The applicant should obtain expert advice in relation thereto. A geotechnical report may be required with any building/development application submitted to Council.

7. DEMOLITION OF BUILDINGS

The demolition of buildings on the subject property does not require development consent.

8. THE LAND IS AFFECTED BY THE FOLLOWING DEVELOPMENT CONTROL PLANS:

9. D.C.P. No. 7 - OFF STREET CAR PARKING

Council has prepared the subject plan which provides requirements for off street car parking. It gives details of Council's development standards for the construction of car parks.

D.C.P. No. 22 - BUSHFIRE MITIGATION

This plan has been prepared in order to ensure that the appropriate development occurs in areas that have been identified as having a high or medium bushfire hazard. Council's Development and Environment Division should be contacted prior to any application for building or development on the land within the Wollondilly area to determine whether it is affected by this plan.

D.C.P. No. - EARTH DAMS

The intention of this plan is to provide standards and guidelines relating to the construction of earth dams.

Continued

D.C.P. No. 43 - POULTRY

Council has adopted a Development Control Plan for poultry farms. The separation distances contained within this document may affect development of land.

10.D.C.P. No. 19 - KEEPING OF DOGS FOR COMMERCIAL PURPOSES

The intention of this plan is to provide development controls for the keeping of dogs for commercial purposes. These controls include density, siting and noise impacts, kennel construction standards, yard areas and drainage. Further information may be obtained from Council's Development and Environment Division.

11.D.C.P No 36 - DEVELOPMENT IN RURAL AREAS

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- subdivision
- agriculture
- residential development
- non residential development
- services

12.SECTION 94 CONTRIBUTION PLAN

Wollondilly Section 94 Contribution Plan 1993 applies to this property. Rural or Residential subdivision or the building of more than one dwelling will require a monetary contribution as outlined in the Section 94 Contributions Plan. For further details, please contact Council's Development and Environment Division.

13.SECTION 101 DIRECTIONS

COAL MINING

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* 15.TREE PRESERVATION ORDER

The subject land is affected by a Tree Preservation Order.

* 16.MINE SUBSIDENCE

The land is within a proclaimed Mine Subsidence District and may be affected by surface development controls to prevent damage from old, current or future coal mining. Approval of the Mines Subsidence Board is required prior to any building or subdivision. Plans of existing and abandoned mine workings are available for viewing at the Mines Subsidence Board's Offices.

17.ROAD WIDENING OR REALIGNMENT

The land is not affected by any road widening or road realignment under division

Continued

PLANNING CERTIFICATE UNDER
SECTION 149 ENVIRONMENTAL PLANNING

Cert. No.: 913/99
Page No.: 6

2 of Part 3 of the Roads Act, 1993 or any environmental planning instrument or any resolution of Council.

18. Clauses 20 and 36 of Wollondilly LEP 1991 restrict respectively the development of land within a mine subsidence district within the meaning of Section 15 of the Mines Subsidence Compensation Act, 1961 and land which, in the opinion of Council, is subject to bush fire hazard. Council has not otherwise by resolution adopted a policy to restrict the development of land because of the likelihood of landslip, bush fire, flooding, tidal inundation, subsidence or other risk.

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22. The land is not affected by any resolution of Council to amend any deemed Environmental Plan, Development Control Plan, draft Development Control Plan applying to this land.

23. COUNCIL RESOLUTION

Council at its meeting of 14 September, 1998 resolved to prepare a Draft Local Environmental Plan to define Dual Occupancy development in urban and rural areas identify its permissibility and provide principles for this form of development.

PART C

ADDITIONAL INFORMATION PROVIDED IN ACCORDANCE WITH SECTION 149(5) OF THE ACT.

1. The subject land is not affected by a Foreshore Building Line.

* 2. The Subject land has a frontage to a controlled access road.

3. SECOND SYDNEY AIRPORT PROPOSAL

In November 1996 the Commonwealth Government released details of five airport options being considered for the development of a second major airport for Sydney at either Badgerys Creek or the Holsworthy Military Area. In September 1997, the Government abandoned the Holsworthy option and announced that the Draft Environmental Impact Statement would concentrate on Badgerys Creek. The Government also released the Draft Environmental Impact Statement Summary which gives an indication of the impact of the proposal on the local environment.

Continued

PLANNING CERTIFICATE UNDER
SECTION 149 ENVIRONMENTAL PLANNING



Cert. No.: 913/99
Page No.: 7

Information on the proposal and the Summary of the Draft Environmental Impact Statement can be obtained from the Second Sydney Airport Telephone Information Line on 1800 818017 or from the Second Sydney Airport Community Access Centre at 43 Moore Street Liverpool.

1.NOTE:

In respect of matters beyond the control and/or responsibility of Council, information provided in Parts B and C above is provided only to the extent that Council has been so notified by the relevant Authorities or Departments having responsibility for the administration of the particular status referred to.

For further information, please contact..
Development & Environment Div.


Graham Taylor
GENERAL MANAGER
per: 

Appendix F

Test Pit Logs

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 133 AHD
EASTING: 6214688
NORTHING: 286119

PIT No: 1
PROJECT No: 73467
DATE: 21/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per 150mm) |
|-----|-----------|--|-------------|----------------------------|-------|--------|--------------------|-------|---|
| | | | | Type | Depth | Sample | Results & Comments | | |
| 133 | 0.1 | TOPSOIL - light brown silty clayey topsoil with a trace of grass rootlets and ironstone gravel | | D | 0.1 | | | | 5 |
| | 0.2 | SANDY CLAY - very stiff light brown and orange brown silty clay with some sand | | D | 0.3 | | | | 10 |
| | 0.5 | | | D | 0.5 | | | | 15 |
| | 0.8 | SANDY CLAY - very stiff to hard grey red brown/orange sandy clay (extremely weathered sandstone) | | D | 1.0 | | | | 20 |
| 132 | 1.2 | SANDSTONE - low to medium strength light brown sandstone | | D | 1.3 | | | | |
| | 1.4 | Pit discontinued at 1.4m | | | | | | | |
| 131 | 2 | | | | | | | | |
| 130 | 3 | | | | | | | | |
| 129 | 4 | | | | | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☒ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | |
|-----------------------------------|----------------------|-------|--|
| A | Auger sample | G | Gas sample |
| B | Bulk sample | P | Piston sample |
| BLK | Block sample | U | Tube sample (x mm dia.) |
| C | Core drilling | W | Water sample |
| D | Disturbed sample | W | Water seep |
| E | Environmental sample | W | Water level |
| | | PID | Photo ionisation detector (ppm) |
| | | PL(A) | Point load axial test Is(50) (MPa) |
| | | PL(D) | Point load diametral test Is(50) (MPa) |
| | | gp | Pocket penetrometer (kPa) |
| | | S | Standard penetration test |
| | | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 131 AHD
EASTING: 6214424
NORTHING: 285438

PIT No: 2
PROJECT No: 73467
DATE: 21/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|--|-------------|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 131 | | TOPSOIL - light brown sandy silty topsoil with some ironstone gravel and a trace of grass rootlets | | | | | | | | | | |
| | 0.2 | SILTY CLAY - very stiff red brown mottled light brown silty clay | | | | | | | | | | |
| | 0.6 | SANDY CLAY - very stiff to hard grey and light brown sandy clay with a trace of rootlets | | D | 0.5 | | | | | | | |
| 130 | 1 | | | | | | | | | | | |
| | 1.1 | SANDSTONE - very low strength, extremely weathered grey/light brown sandstone | | D | 1.0 | | | | | | | |
| | | | | D | 1.5 | | | | | | | |
| 129 | 2 | | | D | 2.0 | | | | | | | |
| | 2.2 | SANDSTONE - low to medium strength grey and orange brown sandstone | | D | 2.3 | | | | | | | |
| | 2.4 | Pit discontinued at 2.4m - backhoe refusal | | | | | | | | | | |
| 128 | 3 | | | | | | | | | | | |
| 127 | 4 | | | | | | | | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2


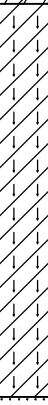
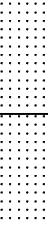


| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | W | Water seep | S | Standard penetration test |
| E | Environmental sample | W | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 142 AHD
EASTING: 6214233
NORTHING: 286041

PIT No: 3
PROJECT No: 73467
DATE: 21/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|--|---|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 142 | | TOPSOIL - brown silty topsoil with some clay, grass rootlets and sandstone cobbles |  | | | | | | | | | |
| | 0.4 | SILTY CLAY - very stiff to hard red brown mottled light brown silty clay with a trace of fine ironstone gravel |  | D | 0.4 | | | | | | | |
| | | | | B | 0.5 | | | | | | | |
| | | | | | 0.7 | | | | | | | |
| | | - from 0.8m: becoming red/brown mottled grey | | | | | | | | | | |
| 141 | 1 | |  | D | 1.0 | | | | | | | |
| | | | | D | 1.5 | | | | | | | |
| | 1.7 | SANDSTONE - grey and light brown extremely weathered sandstone with some bands of very low to low strength |  | | | | | | | | | |
| 140 | 2 | | | D | 2.0 | | | | | | | |
| | 2.1 | SANDSTONE - low to medium strength grey/brown sandstone |  | | | | | | | | | |
| | | | | D | 2.4 | | | | | | | |
| | 2.5 | Pit discontinued at 2.5m - backhoe refusal | | | | | | | | | | |
| 139 | 3 | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 138 | 4 | | | | | | | | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | W | Water seep | S | Standard penetration test |
| E | Environmental sample | W | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 134 AHD
EASTING: 6214271
NORTHING: 286750

PIT No: 4
PROJECT No: 73467
DATE: 21/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|---|-------------|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 134 | | TOPSOIL - sandy silty topsoil with some clay and grass rootlets | | D | 0.1 | | | | | | | |
| | 0.25 | SANDY CLAY - very stiff orange brown/ red brown sandy clay with a trace of rootlets | | | | | | | | | | |
| | 0.6 | SANDSTONE - extremely weathered grey brown sandstone | | D | 0.5 | | | | | | | |
| | 0.8 | SANDSTONE - medium strength grey brown sandstone | | | | | | | | | | |
| | 0.9 | Pit discontinued at 0.9m - backhoe refusal | | D | 0.85 | | | | | | | |
| 133 | 1 | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 132 | 2 | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 131 | 3 | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 130 | 4 | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | > | Water seep | S | Standard penetration test |
| E | Environmental sample | ≡ | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 140 AHD
EASTING: 6213867
NORTHING: 285653

PIT No: 5
PROJECT No: 73467
DATE: 21/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|---|-------------|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 140 | 0.1 | TOPSOIL - brown clayey silty topsoil with some sand and grass rootlets | | | | | | | | | | |
| | 0.3 | SANDY SILT - light brown and orange brown sandy silt with some ironstone gravel | | | | | | | | | | |
| | 0.7 | SILTY CLAY - stiff to very stiff red brown mottled light brown silty clay with a trace of rootlets | | D | 0.5 | | | | | | | |
| | 1.0 | SANDY CLAY - stiff to very stiff grey/red brown/orange brown sandy clay (extremely weathered sandstone) | | D | 1.0 | | | 1 | | | | |
| | 1.2 | SANDSTONE - low to medium strength brown and grey sandstone | | D | 1.3 | | | | | | | |
| | 1.4 | Pit discontinued at 1.4m - backhoe refusal | | | | | | | | | | |
| 139 | | | | | | | | | | | | |
| 138 | 2 | | | | | | | 2 | | | | |
| 137 | 3 | | | | | | | 3 | | | | |
| 136 | 4 | | | | | | | 4 | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | W | Water seep | S | Standard penetration test |
| E | Environmental sample | W | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 148 AHD
EASTING: 6213829
NORTHING: 286315

PIT No: 6
PROJECT No: 73467
DATE: 20/5/2013
SHEET 1 OF 1

[illegible]

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☒ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | |
|-----------------------------------|----------------------|-------|--|
| A | Auger sample | G | Gas sample |
| B | Bulk sample | P | Piston sample |
| BLK | Block sample | U | Tube sample (x mm dia.) |
| C | Core drilling | W | Water sample |
| D | Disturbed sample | W | Water seep |
| E | Environmental sample | W | Water level |
| | | PID | Photo ionisation detector (ppm) |
| | | PL(A) | Point load axial test Is(50) (MPa) |
| | | PL(D) | Point load diametral test Is(50) (MPa) |
| | | pp | Pocket penetrometer (kPa) |
| | | S | Standard penetration test |
| | | V | Shear vane (kPa) |



TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 138 AHD
EASTING: 6213830
NORTHING: 287139

PIT No: 7
PROJECT No: 73467
DATE: 21/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|---|-------------|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 138 | | TOPSOIL - brown silty topsoil with some clay and a trace of ironstone gravel and grass rootlets | | D | 0.15 | | | | | | | |
| | 0.25 | SANDY CLAY - very stiff orange brown light brown/red brown sandy clay | | D | 0.5 | | | | | | | |
| | 0.6 | SANDSTONE - medium strength grey brown sandstone | | D | 0.65 | | | | | | | |
| | 0.7 | Pit discontinued at 0.7m - backhoe refusal | | | | | | | | | | |
| 137 | 1 | | | | | | | | | | | |
| 136 | 2 | | | | | | | | | | | |
| 135 | 3 | | | | | | | | | | | |
| 134 | 4 | | | | | | | | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | > | Water seep | S | Standard penetration test |
| E | Environmental sample | ≡ | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 142 AHD
EASTING: 6213622
NORTHING: 286698

PIT No: 8
PROJECT No: 73467
DATE: 21/5/2013
SHEET 1 OF 1

[illegible]

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☒ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|----------------|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U _t | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| | Core drilling | W | Water sample | pp | Pocket penetrometer (kPa) |
| C | Disturbed sample | | Water seep | S | Standard penetration test |
| ED | Environmental sample | | Water level | V | Shear vane (kPa) |



TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 145 AHD
EASTING: 6213409
NORTHING: 285752

PIT No: 9
PROJECT No: 73467
DATE: 20/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|---|-------------|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 145 | 0.1 | TOPSOIL - light brown silty topsoil with some fine grained sand a trace of grass rootlets | | D | 0.1 | | | | | | | |
| | 0.2 | SANDY CLAY -stiff to very stiff orange brown and grey sandy clay | | | | | | | | | | |
| | 0.6 | SANDSTONE - low to medium strength grey and grey brown sandstone | | D | 0.5 | | | | | | | |
| | 0.95 | Pit discontinued at 0.95m - backhoe refusal | | D | 0.9 | | | | | | | |
| 144 | 1 | | | | | | | | | | | |
| 143 | 2 | | | | | | | | | | | |
| 142 | 3 | | | | | | | | | | | |
| 141 | 4 | | | | | | | | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2


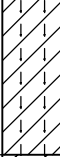


| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | > | Water seep | S | Standard penetration test |
| E | Environmental sample | ≡ | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 148 AHD
EASTING: 6212897
NORTHING: 285471

PIT No: 10
PROJECT No: 73467
DATE: 20/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per 150mm) |
|-----|-----------|--|---|----------------------------|-------|--------|--------------------|-------|---|
| | | | | Type | Depth | Sample | Results & Comments | | |
| 148 | 0.15 | TOPSOIL - light brown silty topsoil with some clay and a trace of grass rootlets |  | D | 0.1 | | | | 5 |
| | | SILTY CLAY - very stiff red brown mottled light brown silty clay |  | D | 0.5 | | | | 10 |
| 147 | 0.7 | SANDY CLAY - stiff grey/red brown sandy clay (extremely weathered sandstone) |  | D | 1.0 | | | | 15 |
| 1 | 1.1 | SANDSTONE - low strength brown and grey brown fine to medium grained sandstone |  | D | 1.3 | | | | 20 |
| 1.4 | | Pit discontinued at 1.4m - backhoe refusal | | | | | | | |
| 146 | 2 | | | | | | | | |
| 145 | 3 | | | | | | | | |
| 144 | 4 | | | | | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☒ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | > | Water seep | Sp | Standard penetration test |
| E | Environmental sample | ≡ | Water level | S | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 166 AHD
EASTING: 62128277
NORTHING: 286354

PIT No: 11
PROJECT No: 73467
DATE: 20/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|---|-------------|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 166 | 0.1 | TOPSOIL - brown clayey silty topsoil with a trace of grass rootless | | D | 0.05 | | | | | | | |
| | | SHALY CLAY - very stiff to hard red brown shaly clay | | | | | | | | | | |
| | | - from 0.4m: low strength shale bands | | D | 0.5 | | | | | | | |
| 165 | 1.0 | SHALE - low to medium strength grey shale | | | | | | 1 | | | | |
| | 1.4 | Pit discontinued at 1.4m | | D | 1.3 | | | | | | | |
| 164 | 2 | | | | | | | 2 | | | | |
| 163 | 3 | | | | | | | 3 | | | | |
| 162 | 4 | | | | | | | 4 | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2





| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | > | Water seep | Sp | Standard penetration test |
| E | Environmental sample | ≡ | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: --
EASTING:
NORTHING:

PIT No: 12
PROJECT No: 73467
DATE: 15/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|----|-----------|--|---|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| | 0.25 | TOPSOIL - light brown silty topsoil with some fine grained sand and clay and a trace of grass rootlets |  | | | | | | | | | |
| | | SILTY CLAY - very stiff to hard red brown mottled orange/red brown silty clay |  | D | 0.5 | | | | | | | |
| | | - from 0.8m: becoming grey |  | D | 1.0 | | | | | | | |
| | 1.1 | SANDSTONE - low to medium strength brown sandstone |  | D | 1.3 | | | | | | | |
| | 1.4 | Pit discontinued at 1.4m - backhoe refusal | | | | | | | | | | |
| | 2 | | | | | | | | | | | |
| | 3 | | | | | | | | | | | |
| | 4 | | | | | | | | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | > | Water seep | S | Standard penetration test |
| E | Environmental sample | ≡ | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 150 AHD
EASTING: 6212551
NORTHING: 284871

PIT No: 13
PROJECT No: 73467
DATE: 15/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|---|-------------|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 149 | | TOPSOIL - light brown sandy silty topsoil with some fine to medium ironstone gravel and a trace of grass rootlets | | | | | | | | | | |
| | 0.25 | SILTY CLAY - very stiff red brown mottled light brown silty clay | | | | | | | | | | |
| | 0.5 | SANDY CLAY - very stiff grey/red brown/orange brown sandy clay (extremely weathered sandstone) | | D | 0.5 | | | | | | | |
| 149 | 1 | - from 1.0m: some ironstone and low strength sandstone bands | | D | 1.0 | | | | | | | |
| | 1.5 | SANDSTONE - low strength grey and orange brown fine to medium grained sandstone | | D | 1.6 | | | | | | | |
| 148 | 2 | Pit discontinued at 1.8m - backhoe refusal | | | | | | | | | | |
| 147 | 3 | | | | | | | | | | | |
| 146 | 4 | | | | | | | | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | > | Water seep | S | Standard penetration test |
| E | Environmental sample | ≡ | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 151 AHD
EASTING: 6212395
NORTHING: 284415

PIT No: 14
PROJECT No: 73467
DATE: 20/5/2013
SHEET 1 OF 1

[illegible]

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
- ☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | |
|-----------------------------------|----------------------|----------------|--|
| A | Auger sample | G | Gas sample |
| B | Bulk sample | P | Piston sample |
| BLK | Block sample | U _x | Tube sample (x mm dia) |
| C | Core drilling | W | Water sample |
| D | Disturbed sample | W _s | Water seep |
| E | Environmental sample | W _l | Water level |
| | | PID | Photo ionisation detector (ppm) |
| | | PL(A) | Point load axial test Is(50) (MPa) |
| | | PL(D) | Point load diametral test Is(50) (MPa) |
| | | pp | Pocket penetrometer (kPa) |
| | | S | Standard penetration test |
| | | V | Shear vane (kPa) |



TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 158 AHD
EASTING: 6212196
NORTHING: 285499

PIT No: 15
PROJECT No: 73467
DATE: 20/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|---|-------------|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 158 | 0.15 | TOPSOIL - light brown silty topsoil with some fine grained sand and grass rootlets | | D | 0.1 | | | | | | | |
| | 0.4 | SILTY CLAY - stiff orange brown mottled red brown silty clay with some sand | | D | 0.5 | | | | | | | |
| | 0.8 | SANDY CLAY - stiff to very stiff grey/red brown/orange brown sandy clay with some ironstone bands (extremely weathered sandstone) | | D | 0.9 | | | | | | | |
| 157 | 1.0 | SANDSTONE - low strength grey and orange brown sandstone | | D | 1.0 | | | | | | | |
| | 1.0 | Pit discontinued at 1.0m - backhoe refusal | | | | | | | | | | |
| 156 | 2 | | | | | | | | | | | |
| 155 | 3 | | | | | | | | | | | |
| 154 | 4 | | | | | | | | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|----------------|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U _s | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | W | Water seep | S | Standard penetration test |
| E | Environmental sample | W | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 174 AHD
EASTING: 6212232
NORTHING: 286193

PIT No: 16
PROJECT No: 73467
DATE: 20/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per 150mm) |
|-----|-----------|---|-------------|----------------------------|-------|--------|--------------------|-------|---|
| | | | | Type | Depth | Sample | Results & Comments | | |
| 174 | 0.15 | TOPSOIL - brown clayey silty topsoil with a trace of grass rootlets | | D | 0.1 | | | | 5 10 15 20 |
| | | SILTY CLAY - very stiff to hard red brown silty clay | | D | 0.5 | | | | |
| | | - from 0.5m: very low to low strength bands | | | | | | | |
| 173 | 0.7 | SHALE - low to medium strength grey shale | | | | | | | |
| 171 | 1.3 | | | D | 1.3 | | | | |
| 170 | 1.4 | Pit discontinued at 1.4m | | | | | | | |
| 172 | 2 | | | | | | | | |
| 171 | 3 | | | | | | | | |
| 170 | 4 | | | | | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | W | Water seep | S | Standard penetration test |
| E | Environmental sample | W | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 165 AHD
EASTING: 6212611
NORTHING: 286702

PIT No: 17
PROJECT No: 73467
DATE: 21/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|---|-------------|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 165 | 0.2 | TOPSOIL - light brown clayey silty topsoil with some grass rootlets | | | | | | | | | | |
| | | SANDY CLAY - very stiff red brown and orange brown slightly sandy clay | | | 0.4 | | | | | | | |
| | | | | D | 0.5 | | | | | | | |
| | | | | U50 | | | | | | | | |
| | | | | | 0.78 | | | | | | | |
| 164 | 1 | | | D | 1.0 | | | 1 | | | | |
| | 1.4 | SANDSTONE - very low strength, extremely weathered grey/red brown sandstone | | D | 1.5 | | | | | | | |
| 163 | 1.9 | SANDSTONE - low to medium strength grey brown sandstone | | D | 2.0 | | | 2 | | | | |
| 162 | 2.2 | Pit discontinued at 2.2m | | | | | | | | | | |
| 161 | 3 | | | | | | | 3 | | | | |
| | 4 | | | | | | | 4 | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | > | Water seep | S | Standard penetration test |
| E | Environmental sample | ≡ | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 169 AHD
EASTING: 6212026
NORTHING: 284799

PIT No: 18
PROJECT No: 73467
DATE: 20/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per 150mm) | | | |
|-----|-----------|---|-------------|----------------------------|-------|--------|--------------------|-------|---|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 169 | 0.15 | TOPSOIL - light brown clayey silty topsoil with a trace of grass rootlets | | D | 0.1 | | | | | | | |
| | | SILTY CLAY - hard red brown silty clay | | D | 0.5 | | | | | | | |
| | | - from 0.6m: red brown mottled light brown silty clay | | D | 1.0 | | | | | | | |
| 168 | 1.1 | SANDSTONE - very low strength, extremely weathered sandstone with some ironstone bands | | D | 1.5 | | | | | | | |
| | 1.6 | SANDSTONE - low strength grey and grey brown fine grained sandstone with some medium strength sandstone and ironstone bands | | | | | | | | | | |
| 167 | 1.9 | Pit discontinued at 1.9m | | | | | | | | | | |
| 166 | 2 | | | | | | | | | | | |
| | 3 | | | | | | | | | | | |
| 165 | 4 | | | | | | | | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☒ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | W | Water seep | S | Standard penetration test |
| E | Environmental sample | W | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 176 AHD
EASTING: 6211828
NORTHING: 285145

PIT No: 19
PROJECT No: 73467
DATE: 20/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|---|-------------|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 176 | 0.15 | TOPSOIL - brown clayey silty topsoil with some grass rootlets | | D | 0.1 | | | | | | | |
| | | SILTY CLAY - very stiff red brown silty clay with a trace of grass rootlets | | D | 0.5 | | | | | | | |
| 175 | 0.7 | SHALE - low to medium strength grey and brown highly fractured shale | | D | 1.0 | | | 1 | | | | |
| | 1.2 | SHALE - extremely low strength, grey and orange brown shale | | D | 1.5 | | | | | | | |
| | 1.7 | SHALE - low to medium strength grey shale | | D | 1.8 | | | | | | | |
| 174 | 1.9 | Pit discontinued at 1.9m | | | | | | 2 | | | | |
| | | | | | | | | | | | | |
| 173 | | | | | | | | 3 | | | | |
| | | | | | | | | | | | | |
| 172 | | | | | | | | 4 | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | W | Water seep | S | Standard penetration test |
| E | Environmental sample | W | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 204 AHD
EASTING: 6211570
NORTHING: 286062

PIT No: 20
PROJECT No: 73467
DATE: 21/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per 300mm) | | | |
|-----|-----------|--|-------------|----------------------------|-------|--------|--------------------|-------|---|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 204 | 0.15 | TOPSOIL - light brown silty topsoil with a trace of ironstone gravel, clay and grass rootlets | | D | 0.1 | | | | | | | |
| | | SILTY CLAY - hard grey mottled red brown silty clay | | D | 0.4 | | | | | | | |
| | 0.45 | SHALE - very low strength grey and brown shale with some bands of low to medium strength shale | | | | | | | | | | |
| | | - from 0.9m: low to medium strength | | D | 0.9 | | | | | | | |
| 203 | 1 | | | | | | | | | | | |
| | 1.1 | Pit discontinued at 1.1m | | | | | | | | | | |
| 202 | 2 | | | | | | | | | | | |
| 201 | 3 | | | | | | | | | | | |
| 200 | 4 | | | | | | | | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☒ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | > | Water seep | S | Standard penetration test |
| E | Environmental sample | ≡ | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 176 AHD
EASTING: 6211359
NORTHING: 285401

PIT No: 21
PROJECT No: 73467
DATE: 20/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|--|-------------|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 176 | | TOPSOIL - brown silty clayey topsoil with some sand and grass rootlets | | | | | | | | | | |
| | 0.25 | SANDY CLAY - very stiff red brown mottled grey brown silty clay with a trace of rootlets | | D | 0.5 | | | | | | | |
| | 1 | | | D | 1.0 | | | | | | | |
| | 1.2 | SANDY CLAY - stiff grey and orange brown sandy clay (Extremely weathered sandstone) | | D | 1.3 | | | | | | | |
| | 1.5 | SANDSTONE - low to medium strength grey and grey brown sandstone | | D | 1.6 | | | | | | | |
| | 1.7 | Pit discontinued at 1.7m | | | | | | | | | | |
| 174 | 2 | | | | | | | | | | | |
| 173 | 3 | | | | | | | | | | | |
| 172 | 4 | | | | | | | | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | > | Water seep | Sp | Standard penetration test |
| E | Environmental sample | ≡ | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 207 AHD
EASTING: 6211247
NORTHING: 286024

PIT No: 22
PROJECT No: 73467
DATE: 21/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|---|-------------|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 207 | 0.2 | TOPSOIL - brown clayey silty topsoil with some grass rootlets | | | | | | | | | | |
| | | SILTY CLAY - very stiff red brown mottled orange brown silty clay | | | 0.35 | | | | | | | |
| | | | | | 0.45 | | | | | | | |
| | | | | D | 0.5 | | | | | | | |
| | | | | U50/U50 | 0.75 | | | | | | | |
| 206 | 0.8 | SHALY CLAY - very stiff to hard grey and orange brown shaly clay | | | 0.9 | | | | | | | |
| | | | | D | 1.0 | | | | | | | |
| 205 | 1.2 | SHALE - very low strength grey shale with bands of low to medium strength shale | | | | | | | | | | |
| | | | | D | 1.6 | | | | | | | |
| | 1.7 | Pit discontinued at 1.7m | | | | | | | | | | |
| 204 | | | | | | | | | | | | |
| 203 | | | | | | | | | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | W | Water seep | S | Standard penetration test |
| E | Environmental sample | W | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 181 AHD
EASTING: 6211139
NORTHING: 284599

PIT No: 23
PROJECT No: 73467
DATE: 20/5/2013
SHEET 1 OF 1

[illegible]

RIG: 8T Backhoe


LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
- ☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U _t | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| | Core drilling | W | Water sample | pp | Pocket penetrometer (kPa) |
| C | Disturbed sample | | Water seep | S | Standard penetration test |
| ED | Environmental sample |  | Water level | V | Shear vane (kPa) |



TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 185 AHD
EASTING: 6210875
NORTHING: 284939

PIT No: 24
PROJECT No: 73467
DATE: 20/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per 150mm) | | | |
|-----|-----------|---|-------------|----------------------------|-------|--------|--------------------|-------|---|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 185 | 0.1 | TOPOIL - brown clayey silty topsoil with some grass rootlets | | D | 0.1 | | | | | | | |
| | 0.2 | SANDY CLAY - very stiff red brown mottled orange brown silty clay | | D | 0.5 | | | | | | | |
| 184 | 0.9 | SANDY CLAY - stiff to very stiff grey/orange brown/red brown sandy clay (extremely weathered sandstone) | | D | 1.0 | | | 1 | | | | |
| | 1.5 | SANDSTONE - low to medium strength brown and orange brown fine to medium grained sandstone | | D | 1.4 | | | | | | | |
| | 1.8 | Pit discontinued at 1.8m - backhoe refusal | | D | 1.7 | | | | | | | |
| 183 | 2 | | | | | | | 2 | | | | |
| 182 | 3 | | | | | | | 3 | | | | |
| 181 | 4 | | | | | | | 4 | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☒ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | > | Water seep | sp | Standard penetration test |
| E | Environmental sample | ≡ | Water level | S | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 195 AHD
EASTING: 6210834
NORTHING: 285702

PIT No: 25
PROJECT No: 73467
DATE: 21/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|---|-------------|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 195 | | TOPSOIL - brown clayey silty topsoil with some fine ironstone gravel and a trace of gravel rootlets | | | | | | | | | | |
| | 0.2 | SILTY CLAY - very stiff red brown mottled light brown silty clay | | | | | | | | | | |
| | | from 0.6m: becoming grey mottled orange brown | | D | 0.5 | | | | | | | |
| | | | | D | 0.8 | | | | | | | |
| 194 | 1.0 | SHALY CLAY - very stiff grey mottled orange brown shaly clay with some bands of low to medium strength grey shale | | D | 1.2 | | | 1 | | | | |
| | 1.4 | SHALE - low to medium strength grey shale | | | | | | | | | | |
| | 1.6 | | | D | 1.6 | | | | | | | |
| | 1.7 | Pit discontinued at 1.7m | | | | | | | | | | |
| 193 | 2 | | | | | | | 2 | | | | |
| 192 | 3 | | | | | | | 3 | | | | |
| 191 | 4 | | | | | | | 4 | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | > | Water seep | S | Standard penetration test |
| E | Environmental sample | ≡ | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 206 AHD
EASTING: 6210736
NORTHING: 284393

PIT No: 26
PROJECT No: 73467
DATE: 21/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|---|-------------|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 206 | 0.1 | TOPSOIL - brown clayey silty topsoil with some rootlets and a trace of sand | | | | | | | | | | |
| | | SILTY CLAY - very stiff red brown silty clay | | D | 0.3 | | | | | | | |
| | | | | D | 0.5 | | | | | | | |
| | | from 0.6m: becoming grey brown mottled red brown | | | | | | | | | | |
| 205 | 0.9 | SHALE - very low to low strength brown shale | | D | 1.0 | | | | | | | |
| 1 | 1.3 | Pit discontinued at 1.3m | | | | | | | | | | |
| 204 | 2 | | | | | | | | | | | |
| 203 | 3 | | | | | | | | | | | |
| 202 | 4 | | | | | | | | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | W | Water seep | S | Standard penetration test |
| E | Environmental sample | W | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 206 AHD
EASTING: 6210363
NORTHING: 284419

PIT No: 27
PROJECT No: 73467
DATE: 20/5/2013
SHEET 1 OF 1

[illegible]

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☒ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | |
|-----------------------------------|----------------------|--------------------|--|
| A | Auger sample | G | Gas sample |
| B | Bulk sample | P | Piston sample |
| BLK | Block sample | U _x | Tube sample (x mm dia) |
| C | Core drilling | W | Water sample |
| D | Disturbed sample | W _{seep} | Water seep |
| E | Environmental sample | W _{level} | Water level |
| | | PID | Photo ionisation detector (ppm) |
| | | PL(A) | Point load axial test Is(50) (MPa) |
| | | PL(D) | Point load diametral test Is(50) (MPa) |
| | | pp | Pocket penetrometer (kPa) |
| | | S | Standard penetration test |
| | | V | Shear vane (kPa) |

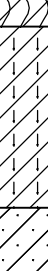


TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 193 AHD
EASTING: 6210286
NORTHING: 285079

PIT No: 28
PROJECT No: 73467
DATE: 20/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|---|---|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 193 | 0.1 | TOPSOIL - brown clayey silty topsoil with some grass rootlets |  | D | 0.5 | | | | | | | |
| | | SILTY CLAY - very stiff red brown silty clay with a trace of fine ironstone gravel | | | | | | | | | | |
| | 0.7 | SANDY CLAY - stiff grey /red brown /orange brown sandy clay (extremely weathered sandstone) | | | | | | | | | | |
| 192 | 1.0 | | | D | 1.0 | | | | 1 | | | |
| | 1.1 | SANDSTONE - low to medium strength fine to medium grained red brown and grey sandstone | | D | 1.2 | | | | | | | |
| | 1.3 | Pit discontinued at 1.3m | | | | | | | | | | |
| 191 | 2 | | | | | | | | 2 | | | |
| 190 | 3 | | | | | | | | 3 | | | |
| 189 | 4 | | | | | | | | 4 | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | W | Water seep | S | Standard penetration test |
| E | Environmental sample | W | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 192 AHD
EASTING: 6210578
NORTHING: 284936

PIT No: 29
PROJECT No: 73467
DATE: 21/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|---|-------------|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 192 | 0.2 | TOPSOIL - brown silty topsoil with some clay and grass rootlets | | | | | | | | | | |
| | | SILTY CLAY - hard red brown silty clay with some ironstone gravel and a trace of grass rootlets | | B | 0.4 | | | | | | | |
| | | | | | 0.7 | | | | | | | |
| 191 | 0.8 | CLAY - stiff to very stiff grey mottled red brown slightly silty clay | | D | 1.0 | | | 1 | | | | |
| | | | | D | 1.5 | | | | | | | |
| 190 | 1.9 | SANDSTONE - very low strength, extremely weathered grey mottled orange brown sandstone | | D | 2.0 | | | 2 | | | | |
| | 2.1 | SANDSTONE - low to medium strength grey sandstone | | | | | | | | | | |
| | 2.4 | Pit discontinued at 2.4m | | | | | | | | | | |
| 189 | 3 | | | | | | | 3 | | | | |
| 188 | 4 | | | | | | | 4 | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | W | Water seep | sp | Standard penetration test |
| E | Environmental sample | W | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 217 AHD
EASTING: 620300
NORTHING: 285604

PIT No: 30
PROJECT No: 73467
DATE: 17/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|--|-------------|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 217 | 0.1 | TOPSOIL - brown silty topsoil with some clay and grass rootlets | | | | | | | | | | |
| | 0.3 | CLAYEY SILT - brown and grey brown clayey silt with a trace of fine ironstone gravel and grass rootlets | | | | | | | | | | |
| | | SILTY CLAY - stiff light brown and red brown silty clay with a trace of fine ironstone gravel | | D | 0.5 | | | | | | | |
| 216 | 0.9 | SHALY CLAY - grey shaly clay with some ironstone gravel -from 1.2m: becoming low strength brown shale | | D | 1.0 | | | 1 | | | | |
| | 1.4 | SHALE - grey extremely low to very low strength shale with some low strength bands - from 1.8m: becoming low strength brown shale | | D | 1.5 | | | | | | | |
| | | | | | 1.9 | | | | | | | |
| 215 | 2.0 | Pit discontinued at 2.0m | | D | 2.0 | | | 2 | | | | |
| | | | | | | | | | | | | |
| 214 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 213 | | | | | | | | | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2



| SAMPLING & IN SITU TESTING LEGEND | | | |
|-----------------------------------|----------------------|-------|--|
| A | Auger sample | G | Gas sample |
| B | Bulk sample | P | Piston sample |
| BLK | Block sample | U | Tube sample (x mm dia.) |
| C | Core drilling | W | Water sample |
| D | Disturbed sample | W | Water seep |
| E | Environmental sample | W | Water level |
| | | PID | Photo ionisation detector (ppm) |
| | | PL(A) | Point load axial test Is(50) (MPa) |
| | | PL(D) | Point load diametral test Is(50) (MPa) |
| | | gp | Pocket penetrometer (kPa) |
| | | S | Standard penetration test |
| | | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 224 AHD
EASTING: 6209150
NORTHING: 282876

PIT No: 31
PROJECT No: 73467
DATE: 17/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per 150mm) |
|-----|-----------|--|---|----------------------------|-------|--------|--------------------|-------|---|
| | | | | Type | Depth | Sample | Results & Comments | | |
| 244 | | TOPSOIL - silty clayey topsoil with some grass rootlets and ironstone gravel |  | | | | | | 5 10 15 20 |
| | 0.4 | SHALE - brown then grey low then medium strength shale |  | | | | | | |
| | 0.6 | Pit discontinued at 0.6m | | | | | | | |
| 223 | 1 | | | | | | | | 1 |
| 222 | 2 | | | | | | | | 2 |
| 221 | 3 | | | | | | | | 3 |
| 220 | 4 | | | | | | | | 4 |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☒ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | > | Water seep | S | Standard penetration test |
| E | Environmental sample | ≡ | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 229 AHD
EASTING: 6208827
NORTHING: 285513

PIT No: 32
PROJECT No: 73467
DATE: 17/5/2013
SHEET 1 OF 1

[illegible]

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
- ☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | |
|-----------------------------------|----------------------|-------|--|
| A | Auger sample | G | Gas sample |
| B | Bulk sample | P | Piston sample |
| BLK | Block sample | U | Tube sample (x mm dia.) |
| C | Core drilling | W | Water sample |
| D | Disturbed sample | W | Water seep |
| E | Environmental sample | W | Water level |
| | | PID | Photo ionisation detector (ppm) |
| | | PL(A) | Point load axial test Is(50) (MPa) |
| | | PL(D) | Point load diametral test Is(50) (MPa) |
| | | pp | Pocket penetrometer (kPa) |
| | | S | Standard penetration test |
| | | V | Shear vane (kPa) |



TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 215 AHD
EASTING: 6209244
NORTHING: 286220

PIT No: 33
PROJECT No: 73467
DATE: 17/5/2013
SHEET 1 OF 1

[illegible]

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
- ☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | |
|-----------------------------------|----------------------|----------------|--|
| A | Auger sample | G | Gas sample |
| B | Bulk sample | P | Piston sample |
| BLK | Block sample | U _x | Tube sample (x mm dia.) |
| C | Core drilling | W | Water sample |
| D | Disturbed sample | W _s | Water seep |
| E | Environmental sample | W _l | Water level |
| | | PID | Photo ionisation detector (ppm) |
| | | PL(A) | Point load axial test Is(50) (MPa) |
| | | PL(D) | Point load diametral test Is(50) (MPa) |
| | | pp | Pocket penetrometer (kPa) |
| | | S | Standard penetration test |
| | | V | Shear vane (kPa) |



TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 244 AHD
EASTING: 6208872
NORTHING: 286115

PIT No: 34
PROJECT No: 73467
DATE: 17/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|--|-------------|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 244 | 0.15 | TOPSOIL - brown sandy silty clay topsoil with some grass rootlets | | D | 0.5 | | | | | | | |
| | | SILTY CLAY - stiff red brown silty clay with a trace of fine ironstone gravel and grass rootlets | | | | | | | | | | |
| | 0.6 | SHALY CLAY - stiff to very stiff grey mottled brown shaly clay with some ironstone gravel | | | | | | | | | | |
| | 0.9 | SHALE - very low to low strength brown shale | | D | 0.7 | | | | | | | |
| | | | | D | 0.8 | | | | | | | |
| 243 | 1 | | | | | | | | | | | |
| | 1.4 | Pit discontinued at 1.4m | | D | 1.3 | | | | | | | |
| | | | | | 1.4 | | | | | | | |
| 242 | 2 | | | | | | | | | | | |
| 241 | 3 | | | | | | | | | | | |
| 240 | 4 | | | | | | | | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | > | Water seep | S | Standard penetration test |
| E | Environmental sample | ≡ | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 226 AHD
EASTING: 6209133
NORTHING: 286590

PIT No: 35
PROJECT No: 73467
DATE: 17/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|---|-------------|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 226 | | FILLING - brown clayey silty filling with some grass rootlets and igneous cobbles | | | | | | | | | | |
| | 0.3 | SILTY CLAY - stiff to very stiff grey and red brown silty clay with a trace of fine ironstone gravel | | D | 0.5 | | | | | | | |
| | 0.8 | SHALY CLAY - stiff grey shaly clay with some ironstone gravel | | D | 1.0 | | | | | | | |
| 225 | 1 | | | | | | | | | | | |
| | 1.3 | SHALE - extremely low strength grey shale with some bands of ironstone and very low to low strength shale | | D | 1.5 | | | | | | | |
| | 1.7 | SHALE - low strength grey shale | | | | | | | | | | |
| | 1.9 | Pit discontinued at 1.8m | | | | | | | | | | |
| 224 | 2 | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 223 | 3 | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 222 | 4 | | | | | | | | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2





| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | W | Water seep | S | Standard penetration test |
| E | Environmental sample | W | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 247 AHD
EASTING: 6208856
NORTHING: 286603

PIT No: 36
PROJECT No: 73467
DATE: 17/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per 150mm) |
|-----|-----------|---|---|----------------------------|-------|--------|--------------------|-------|---|
| | | | | Type | Depth | Sample | Results & Comments | | |
| 247 | 0.2 | TOPSOIL - brown silty topsoil with some clay and grass rootlets |  | D | 0.1 | | | | 5 |
| | | SILTY CLAY - very stiff red brown silty clay with a trace of grass rootlets |  | D | 0.4 | | | | 10 |
| | | | | D U50 | 0.5 | | | | 15 |
| | | | | | 0.7 | | | | 20 |
| 246 | 0.8 | SHALY CLAY - very stiff grey orange brown shaly clay with some ironstone gravel |  | D | 1.0 | | | 1 | |
| | | -from 0.95m: some bands of very low to low strength brown shale | | | | | | | |
| | 1.2 | SHALE - low strength brown and grey brown shale |  | D | 1.5 | | | | |
| | 1.7 | Pit discontinued at 1.7m | | | | | | | |
| 245 | 2 | | | | | | | 2 | |
| 244 | 3 | | | | | | | 3 | |
| 243 | 4 | | | | | | | 4 | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☒ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | |
|-----------------------------------|----------------------|-------|--|
| A | Auger sample | G | Gas sample |
| B | Bulk sample | P | Piston sample |
| BLK | Block sample | U | Tube sample (x mm dia.) |
| C | Core drilling | W | Water sample |
| D | Disturbed sample | W | Water seep |
| E | Environmental sample | W | Water level |
| | | PID | Photo ionisation detector (ppm) |
| | | PL(A) | Point load axial test Is(50) (MPa) |
| | | PL(D) | Point load diametral test Is(50) (MPa) |
| | | gp | Pocket penetrometer (kPa) |
| | | S | Standard penetration test |
| | | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 232 AHD
EASTING: 6208682
NORTHING: 287358

PIT No: 37
PROJECT No: 73467
DATE: 21/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|---|-------------|----------------------------|-------------------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 232 | | TOPSOIL - clayey silty topsoil with a trace of grass rootlets | | D | 0.1 | | | | | | | |
| | 0.5 | SILTY CLAY - very stiff red brown silty clay with a trace of fine ironstone gravel 0.6m: becoming grey mottled red brown | | D B | 0.4 0.5 0.7 | | | | | | | |
| 231 | 0.9 | SHALE - grey extremely low to very low strength shale - from 1.2m: becoming low to medium strength | | D | 1.0 | | | 1 | | | | |
| | 1.2 | | | D | 1.3 | | | | | | | |
| | | Pit discontinued at 1.4m | | | | | | | | | | |
| 230 | 2 | | | | | | | 2 | | | | |
| 229 | 3 | | | | | | | 3 | | | | |
| 228 | 4 | | | | | | | 4 | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | W | Water seep | S | Standard penetration test |
| E | Environmental sample | W | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 248 AHD
EASTING: 6208346
NORTHING: 287526

PIT No: 38
PROJECT No: 73467
DATE: 21/5/2013
SHEET 1 OF 1

[illegible]

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
- ☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | |
|-----------------------------------|----------------------|----------------|--|
| A | Auger sample | G | Gas sample |
| B | Bulk sample | P | Piston sample |
| BLK | Block sample | U _x | Tube sample (x mm dia) |
| C | Core drilling | W | Water sample |
| D | Disturbed sample | W _s | Water seep |
| E | Environmental sample | W _l | Water level |
| | | PID | Photo ionisation detector (ppm) |
| | | PL(A) | Point load axial test Is(50) (MPa) |
| | | PL(D) | Point load diametral test Is(50) (MPa) |
| | | pp | Pocket penetrometer (kPa) |
| | | S | Standard penetration test |
| | | V | Shear vane (kPa) |



TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 262 AHD
EASTING: 6207950
NORTHING: 287578

PIT No: 39
PROJECT No: 73467
DATE: 17/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per 150mm) |
|-----|-----------|---|-------------|----------------------------|-------|--------|--------------------|-------|---|
| | | | | Type | Depth | Sample | Results & Comments | | |
| 262 | | TOPSOIL - brown clayey silty topsoil with some grass rootlets | | D | 0.1 | | | | 5 |
| | 0.35 | SILTY CLAY - very stiff red brown and grey silty clay with a trace of fine ironstone gravel | | U50 | 0.5 | | | | 10 |
| | | | | | 0.87 | | | | |
| 261 | 1 | | | D | 1.0 | | | 1 | |
| | 1.3 | SHALY CLAY - stiff grey and orange brown shaly clay with some ironstone gravel | | D | 1.5 | | | | |
| 260 | 2 | | | | | | | 2 | |
| | 2.1 | SHALE - extremely low strength grey shale with some ironstone bands and very low strength bands | | D | 2.2 | | | | |
| | 2.5 | Pit discontinued at 2.5m | | | | | | | |
| 259 | 3 | | | | | | | 3 | |
| 258 | 4 | | | | | | | 4 | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

☐ Sand Penetrometer AS1289.6.3.3
☒ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | W | Water seep | sp | Standard penetration test |
| E | Environmental sample | W | Water level | S | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 244 AHD
EASTING: 6207544
NORTHING: 287782

PIT No: 40
PROJECT No: 73467
DATE: 17/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|---|-------------|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 244 | 0.15 | TOPSOIL - brown clayey silt topsoil with some grass rootlets | | D | 0.5 | | | | | | | |
| | | SILTY CLAY - stiff to very stiff brown mottled light brown silty clay with a trace of grass rootlets - from 0.4m: becoming light brown and red brown | | | | | | | | | | |
| | | | | | | | | | | | | |
| 243 | 0.9 | SHALY CLAY - stiff grey shaly clay with some ironstone gravel/ bands | | D | 1.0 | | | | 1 | | | |
| | 1.1 | SHALE - very low strength grey shale with some low strength bands | | D | 1.3 | | | | | | | |
| | 1.4 | Pit discontinued at 1.4m | | | 1.4 | | | | | | | |
| 242 | 2 | | | | | | | | 2 | | | |
| 241 | 3 | | | | | | | | 3 | | | |
| 240 | 4 | | | | | | | | 4 | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | |
|-----------------------------------|----------------------|-------|--|
| A | Auger sample | G | Gas sample |
| B | Bulk sample | P | Piston sample |
| BLK | Block sample | U | Tube sample (x mm dia.) |
| C | Core drilling | W | Water sample |
| D | Disturbed sample | W | Water seep |
| E | Environmental sample | W | Water level |
| | | PID | Photo ionisation detector (ppm) |
| | | PL(A) | Point load axial test Is(50) (MPa) |
| | | PL(D) | Point load diametral test Is(50) (MPa) |
| | | gp | Pocket penetrometer (kPa) |
| | | S | Standard penetration test |
| | | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 255 AHD
EASTING: 6207522
NORTHING: 288439

PIT No: 41
PROJECT No: 73467
DATE: 17/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|---|-------------|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 255 | | TOPSOIL - brown clayey silty topsoil with some fine ironstone gravel and grass rootlets | | D | 0.2 | | | | | | | |
| | 0.4 | SILTY CLAY - very stiff red brown and light brown silty clay | | D | 0.5 | | | | | | | |
| | 0.8 | SHALE - low to medium strength grey shale | | | | | | | | | | |
| 254 | 1.0 | Pit discontinued at 1.0m | | | | | | | | | | |
| | | | | | | | | | | | | |
| 253 | 2 | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 252 | 3 | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 251 | 4 | | | | | | | | | | | |
| | | | | | | | | | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2



| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | > | Water seep | S | Standard penetration test |
| E | Environmental sample | ≡ | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 256 AHD
EASTING: 6207178
NORTHING: 288176

PIT No: 42
PROJECT No: 73467
DATE: 17/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|--|---|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 256 | | TOPSOIL - brown clayey silty topsoil with some grass rootlets |  | D | 0.2 | | | | | | | |
| | 0.3 | SHALE - low strength brown then grey shale -from 0.6m: becoming low to medium strength |  | D | 0.6 | | | | | | | |
| 255 | 0.9 | Pit discontinued at 0.8m | | | | | | | | | | |
| 254 | 1 | | | | | | | | | | | |
| | 2 | | | | | | | | | | | |
| 253 | 3 | | | | | | | | | | | |
| 252 | 4 | | | | | | | | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2





| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | > | Water seep | S | Standard penetration test |
| E | Environmental sample | ≡ | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 267 AHD
EASTING: 6206898
NORTHING: 288025

PIT No: 43
PROJECT No: 73467
DATE: 17/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|---|---|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 267 | 0.15 | TOPSOIL - silty topsoil with some clay and grass rootlets |  | D | 0.5 | | | | | | | |
| | | SILTY CLAY - stiff to very stiff brown mottled grey and orange brown silty clay -from 0.5m: becoming red brown |  | | | | | | | | | |
| 266 | 0.9 | CLAY - stiff to very stiff grey clay with some silt and a trace of fine rootlets |  | D | 1.0 | | | | | | | |
| | 1.1 | SHALE - grey and dark grey very low to low strength shale |  | D | 1.1 | | | | | | | |
| | 1.2 | | | | 1.2 | | | | | | | |
| | 1.3 | Pit discontinued at 1.3m | | | | | | | | | | |
| 265 | 2 | | | | | | | | | | | |
| 264 | 3 | | | | | | | | | | | |
| 263 | 4 | | | | | | | | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | > | Water seep | S | Standard penetration test |
| E | Environmental sample | ≡ | Water level | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 267 AHD
EASTING: 6206589
NORTHING: 288146

PIT No: 44
PROJECT No: 73467
DATE: 17/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per 150mm) |
|-----|-----------|---|-------------|----------------------------|-------|--------|--------------------|-------|---|
| | | | | Type | Depth | Sample | Results & Comments | | |
| 267 | | TOPSOIL - brown silty topsoil with some clay and grass rootlets, tree rootlets and a trace of large sandstone gravel | | D | 0.15 | | | | |
| | 0.25 | SILTY CLAY - very stiff then hard grey mottled red brown clay with a trace of fine rootlets -from 0.7m: becoming grey mottled orange brown | | D | 0.5 | | | | |
| | 0.9 | SANDY CLAY - very stiff to hard grey mottled orange brown slightly sandy clay with a trace of white gravel inclusions | | D | 1.0 | | | | |
| 266 | 1 | | | D | 1.5 | | | | |
| | 2.0 | SANDSTONE - extremely low strength grey fine grained sandstone | | | | | | | |
| 265 | 2.2 | SANDSTONE - very low to low strength grey fine grained sandstone with some ironstone bands | | D | 2.3 | | | | |
| | 2.4 | Pit discontinued at 2.4m | | | | | | | |
| 264 | 3 | | | | | | | | |
| 263 | 4 | | | | | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☒ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | |
|-----------------------------------|----------------------|-------|--|
| A | Auger sample | G | Gas sample |
| B | Bulk sample | P | Piston sample |
| BLK | Block sample | U | Tube sample (x mm dia.) |
| C | Core drilling | W | Water sample |
| D | Disturbed sample | W | Water seep |
| E | Environmental sample | W | Water level |
| | | PID | Photo ionisation detector (ppm) |
| | | PL(A) | Point load axial test Is(50) (MPa) |
| | | PL(D) | Point load diametral test Is(50) (MPa) |
| | | gp | Pocket penetrometer (kPa) |
| | | SP | Standard penetration test |
| | | V | Shear vane (kPa) |

TEST PIT LOG

CLIENT: Wilton Junction Landowners Group
PROJECT: Wilton Junction
LOCATION: Hume Highway & Picton Road, Wilton

SURFACE LEVEL: 281 AHD
EASTING: 6206172
NORTHING: 288134

PIT No: 45
PROJECT No: 73467
DATE: 17/5/2013
SHEET 1 OF 1

| RL | Depth (m) | Description of Strata | Graphic Log | Sampling & In Situ Testing | | | | Water | Dynamic Penetrometer Test (blows per mm) | | | |
|-----|-----------|--|-------------|----------------------------|-------|--------|--------------------|-------|--|----|----|----|
| | | | | Type | Depth | Sample | Results & Comments | | 5 | 10 | 15 | 20 |
| 281 | | TOPSOIL - brown silty topsoil with some clay, grass rootlets and medium to coarse ironstone gravel | | | | | | | | | | |
| | 0.3 | SILTY CLAY - stiff to very stiff red brown silty clay with a trace of fine ironstone gravel and rootlets -from 0.7m: becoming light brown mottled red brown | | B&D 0.7-0.8 | 0.5 | | | | | | | |
| 280 | 1 | | | D | 1.0 | | | 1 | | | | |
| | 1.3 | SANDY CLAY - stiff grey slightly sandy clay with some ironstone gravel | | D | 1.5 | | | | | | | |
| 279 | 2 | | | D | 2.0 | | | 2 | | | | |
| | 2.3 | SHALE/FINE SANDSTONE - extremely low strength grey fine grained sandstone with some very low strength sandstone and high strength ironstone bands | | D | 2.6 | | | | | | | |
| | 2.7 | Pit discontinued at 2.7m | | | | | | | | | | |
| 278 | 3 | | | | | | | 3 | | | | |
| 277 | 4 | | | | | | | 4 | | | | |

RIG: 8T Backhoe

LOGGED:

SURVEY DATUM: MGA94

WATER OBSERVATIONS:

REMARKS:

- ☐ Sand Penetrometer AS1289.6.3.3
☐ Cone Penetrometer AS1289.6.3.2

| SAMPLING & IN SITU TESTING LEGEND | | | | | |
|-----------------------------------|----------------------|---|-------------------------|-------|--|
| A | Auger sample | G | Gas sample | PID | Photo ionisation detector (ppm) |
| B | Bulk sample | P | Piston sample | PL(A) | Point load axial test Is(50) (MPa) |
| BLK | Block sample | U | Tube sample (x mm dia.) | PL(D) | Point load diametral test Is(50) (MPa) |
| C | Core drilling | W | Water sample | gp | Pocket penetrometer (kPa) |
| D | Disturbed sample | > | Water seep | S | Standard penetration test |
| E | Environmental sample | ≡ | Water level | V | Shear vane (kPa) |

Walker Corporation Pty Limited
Level 21, Governor Macquarie Tower
Governor Macquarie Tower, 1 Farrer Place
SYDNEY NSW 2000

Project 73467.02
16 February 2017
R.01.Rev3
CLN

Attention: Mr Gerry Beasley

Email: gerry.beasley@walkercorp.com.au

Dear Sirs

**Addendum to Phase 1 Contamination Assessment
Wilton Junction Rezoning
Hume Highway and Picton Road, Wilton NSW**

1. Introduction

Douglas Partners Pty Ltd (DP) was commissioned by Walker Corporation Pty Limited (Walker) to prepare an addendum to the DP report titled *Phase 1 Contamination Assessment, Wilton Junction, Hume Highway and Picton Road, Wilton*, report 73467.00.Rev 6 dated 18 June 2014 (DP, 2014; 'the PCA'). The PCA was prepared by DP for a land parcel known as Wilton Junction, situated at the current intersection of Picton Road and Hume Highway, Wilton. The extent of the Walker site in the context of the wider Wilton Junction is presented in Figure 1, on the following page.

It is understood by DP that the Wilton Junction land parcel is subject to a proposed rezoning, with four key stakeholders involved in the site's development including Lend Lease, Bradcorp, Governors Hill and Walker. The DP (2014) report provided a preliminary evaluation of the contamination status of the Wilton Junction site and its suitability, from a contamination standpoint, for the proposed rezoning. This addendum to the PCA has been prepared in response to comments provided by the NSW Environment Protection Authority (EPA) on the PCA for the Walker Corporation portion of the site only ('Walker site').

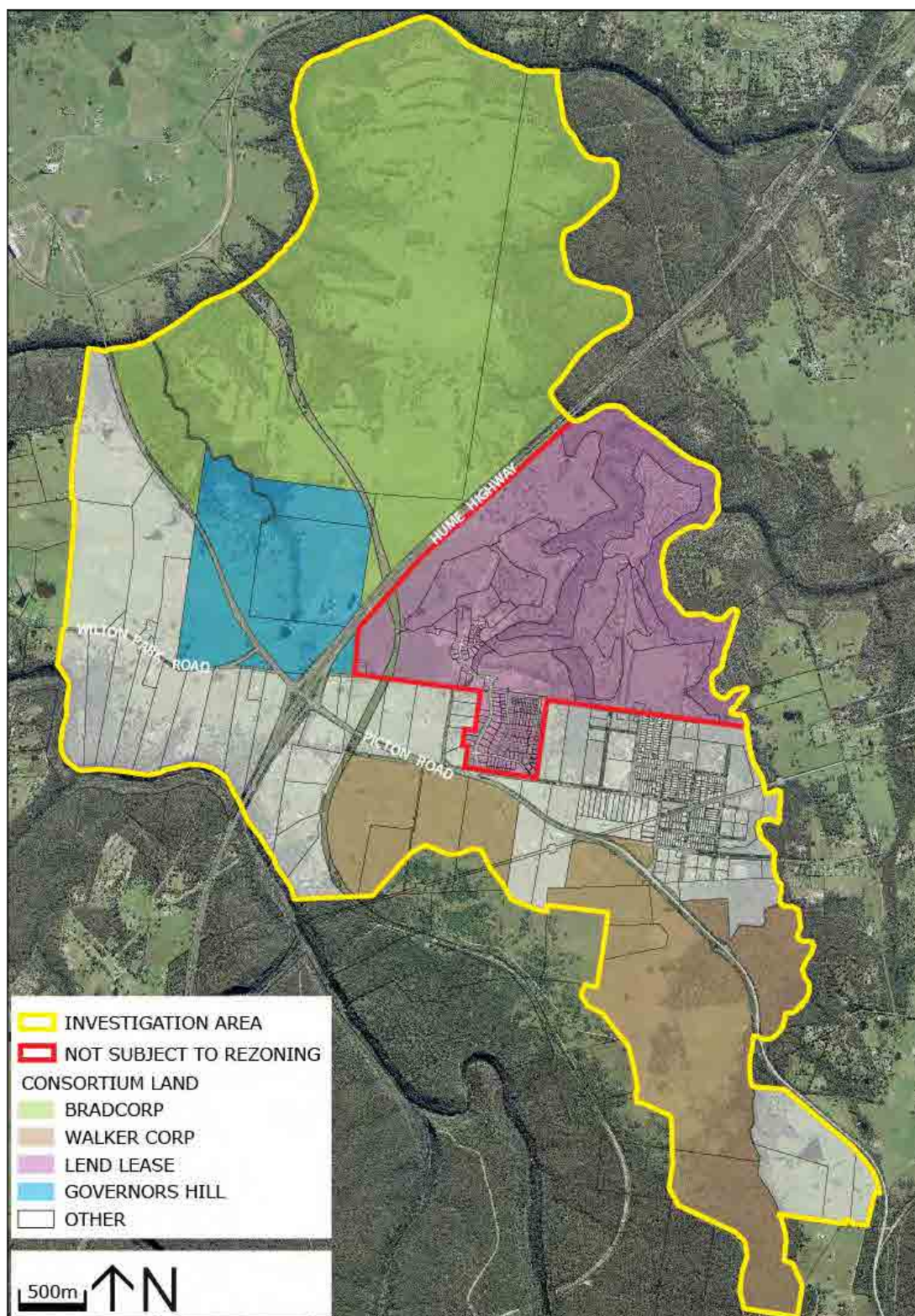


Figure 1: Wilton Junction Land Ownership

2. Land Ownership

Land ownership for the Walker site is as defined in Table 1 below.

Table 1: Land Parcel Details

| Address | Lot | DP | Area (Ha) | Owner |
|----------------------------|-----|---------|-----------|---------------------------|
| 5 Janderra Lane, Wilton | 51 | 626650 | 35.14 | Walker Corporation P/L |
| 15 Janderra Lane, Wilton | 75 | 837310 | 43.66 | Walker Corporation P/L |
| 990 Picton Road, Wilton | 16 | 253158 | 22.88 | Walker Corporation P/L |
| 1080 Picton Road, Wilton | 29 | 814280 | 0.18 | Walker Group Holdings P/L |
| | 30 | 814280 | 14.83 | Walker Group Holdings P/L |
| | 34 | 814280 | 0.08 | Walker Group Holdings P/L |
| | 38 | 814280 | 0.0303 | Walker Group Holdings P/L |
| 1114 Picton Road, Wilton | 1 | 1076362 | 17.01 | Walker Group Holdings P/L |
| 1140 Picton Road, Wilton | 1 | 587498 | 10.12 | Walker Corporation P/L |
| Picton Road, Wilton | 2 | 1076362 | 194.12 | Walker Corporation P/L |
| Picton Road, Wilton | 2 | 108340 | 61.00 | Walker Corporation P/L |
| 72 Almond Street, Wilton | 1 | 1018965 | 3.54 | Walker Corporation P/L |
| 1090 Argyle Street, Wilton | 32 | 814280 | 4.36 | Walker Corporation P/L |
| | 33 | 814280 | | |
| | 36 | 814280 | | |
| | 2 | 759094 | | |
| | 37 | 814280 | | |

3. Response to EPA Comments

Table 1 below presents comments received by Walker for the Wilton Junction site, and DP's response specific to the Walker site. Section 3 onwards addresses the comments in greater detail as requested by the EPA and as defined in Table 2 below.

Table 2: DP Response to EPA Comments

| EPA Comment (Section 4) | | DP Response |
|-------------------------|--|---|
| 1 | The Phase 1 Contamination Assessment (the report) presents a preliminary evaluation of the contamination status of the site identifying Areas of Environmental Concern (AECs). The Phase 1 Contamination Assessment does not consider or address contaminated sites issues in fine detail. | Noted and agreed, the level of assessment completed is considered suitable for a rezoning application. |
| 2 | The report does not include a Conceptual Site Model (CSM) which should be an integral part of a Phase 1 assessment. As described in the NEPM guidance (Schedule B (2) – guideline on site Characterisation), development of a CSM is an essential part of all site assessments and provides the framework for identifying how the site became contaminated and how potential receptors may be exposed to contamination either in the present or in the future. In accordance with the NEPM guidance, a CSM should be developed so to establish the assessment objectives to inform further assessment. | <p>DP considers that a CSM would typically be more appropriate at the next phase of the assessment (i.e. the detailed assessment of the individual AEC).</p> <p>DP Action: A high level CSM will be presented in this PCA Addendum.</p> |

| EPA Comment (Section 4) | | DP Response |
|-------------------------|--|---|
| 3 | The "Executive Summary" indicates "Based on the findings of this preliminary contamination assessment, potential groundwater contamination is not considered to be significant unless soil contamination is found within the AEC within the background area. If significant contamination is identified, then a groundwater investigation may be required." Given that AECs have been identified in the report, further intrusive investigations of contamination by way of both soil and groundwater assessment within the AECs is warranted. | DP intends to assess the need for a groundwater assessment on a case by case basis for each AEC. Based on the findings of the PCA, no known significant issues exist within the Walker area that would trigger the need for a groundwater assessment. |
| 4 | The "Section 7.4 Groundwater Bore Database" indicated the presence of eight (8) bores on site for domestic stock, irrigation and test purposes with depths between 12 to 76 metres depth. The site hydrogeology description is not included and therefore, the depth of the groundwater on site remains unknown. An assessment of site hydrogeology is warranted to inform a conceptual site model of the site and understanding of potential impacts of site contamination to human health and the environment. | Available bore logs and site history information can be further assessed to provide additional information on the hydrogeological regime of the general region. DP Action: The additional information will be provided in this PCA Addendum. |
| 5 | The "Section 7.5, Search of the Department of Defence Website for Sites Affected by Unexploded Ordnance (UXO)" indicates "no further investigation of the UXO area within the site is considered necessary from a contamination stand point." It is recommended an adequate assessment of UXO to be undertaken in the site. A site containing UXO represents a safety hazard and must be assessed by a qualified expert. The expert will be able to determine if the site is safe or has an appropriate level of site investigation in relation to UXO by identifying the presence of UXO or the likelihood of finding it in the site. It is also recommended that the area suspected to be used as a World War 2 bombing range (Lot 2 DP702024 – owned by Bradcorp) to be assessed to identify potential environmental impacts from the military past activity. | This comment is not relevant to the Walker area. DP Action: None proposed. |
| 6 | The "Section 8, Site Inspection", page 15 of the report: Bullet 7, indicates that minor staining was observed around the bowser in the airfield Bullet 8, indicates that staining around above ground storage tank (AST) was observed around the bowser in the airfield. Consideration should be given to contaminated site assessment of airfield AST and associated infrastructure as well as soil and groundwater investigations in the airfield area. Irrigation/domestic bores may be present in vicinity of the site, so it will be critical to assess the potential impacts into water resources. Monitoring must be undertaken with reference to the NSW EPA approved guidelines including the 2013 Amendment of the Assessment of Site Contamination NEPM 1999. | This comment is not relevant to the Walker area. DP Action: None proposed. |
| 7 | The Section "8. Site Inspection" page 15, bullet 12, indicates a landfill (which appears to be illegal) was observed on the northern side of the runway. It is considered that further assessment is required, including groundwater assessment, in order to identify soil and groundwater impacts from the landfill activities. | This comment is not relevant to the Walker area. DP Action: None proposed. |
| 8 | The Section "8. Site Inspection" page 15, Bradcorp Land, bullet 1, indicates a cattle yard is located in the centre of the site. For agricultural areas, consideration should be given to the selection of laboratory analytical suite for identification of impacts from this activity, including arsenic. | This comment is not relevant to the Walker area. DP Action: None proposed. |

| EPA Comment (Section 4) | | DP Response |
|-------------------------|---|---|
| 9 | The Section "8. Site Inspection" page 16, bullet 3, indicates that BHP Billiton exploration / monitoring locations were observed. Further information about BHP Billiton activities in the area should be obtained and assessed in order to identify potential contamination sources if any, from their activity. | The presence of BHP Billiton exploration / monitoring locations observed on the 'Governors Hill' Land is likely associated with nearby coal mining (Bulli Seam Operations at West Cliff Colliery / Appin Area 9). The bores were not observed on the Walker area. DP Action: Further information regarding BHP Billiton mining / monitoring activities in the region will be provided in the PCA Addendum. The PCA Addendum will also provide comment on any potential contamination sources (if any) associated with such activities. |
| 10 | The Section "9, Potential for Contamination" identifies in "Table 3" asbestos are identified as a contaminant of concern for a number of areas of environmental concern. It is recommended that future investigations engage a suitably qualified person for implementing asbestos management, if required. | DP confirms suitably qualified and trained environmental staff are engaged to conduct asbestos specific investigations and remediation works. Training includes DP in-house asbestos competency training. DP is also able to provide licensed asbestos assessors for work associated with friable asbestos. |
| 11 | Considering that important contamination issues have been identified in the report, engagement of a site auditor accredited under the Contaminated Land Management Act 1997 is recommended to confirm that the site is suitable for the proposed use. | In rezoning applications that DP has previously worked on a CLM site auditor has not been a requirement. In DP's experience the auditor is typically involved in the project at the development application stage. |

4. Response to Comments

DP has addressed the EPA's comments regarding hydrogeology, BHP Billiton activities and the CSM in Sections 3.1 – 3.3 below.

4.1 Hydrogeology

The Walker site is at the geological boundary of the Wianamatta shales and the Hawkesbury sandstone. As such the hydrogeology will vary depending on the location within the site. The following paragraphs give a description of the expected conditions in both the shales and the sandstone.

McNally, G. 2005, *Investigation of Urban Salinity – Case Studies from Western Sydney*, 2005 describes some general features of the hydrogeology of Western Sydney which are relevant to the Walker site. The shale terrain of much of Western Sydney is known for saline groundwater, resulting either from the release of connate salt in shales of marine origin or from the accumulation of windblown sea salt. Seasonal groundwater level changes of 1 m – 2 m can occur in a shallow regolith aquifer or a deeper shale aquifer due to natural influences.

Groundwater investigations undertaken by DP in the South West of Sydney and previous studies of areas underlain by the Wianamatta Group indicate that:

- The shales have a very low intrinsic permeability, hence groundwater flow is likely to be dominated by fracture flow with resultant low yields (typically < 1 L/s) in bores; and
- The groundwater in the Wianamatta Group is typically brackish to saline with total dissolved solids (TDS) in the range 4000 – 5000 mg/L (but with cases of TDS up to 31 750 mg/L being reported). The dominant ions are typically sodium and chloride and the water is generally unsuitable for livestock or irrigation.

The areas underlain by Hawkesbury sandstone are typically associated with higher groundwater quality (i.e. low salinities) and higher yields. Based on available groundwater bore logs² and available information on regional geology (as discussed in the PCA), shale and sandstone is present at shallow depths (< 10 m) below the Wilton area; the older Hawkesbury sandstone is typically exposed in low lying areas, e.g. built up areas and watercourses. Owing to the higher yield potential and general low salinities associated with the Hawkesbury sandstone, groundwater from the Hawkesbury sandstone can be considered generally suitable for irrigation purposes. As the Hawkesbury sandstone beneath the Wilton area is unconfined and likely to be in direct hydraulic continuity with the soil landscape, it is not considered to be suitable for potable water purposes.

4.2 BHP Billiton Activities

Further information regarding the BHP Billiton activities was obtained via phone and email correspondence with a community officer from South 32, a resource company that was previously part of BHP Billiton (BHP)³ who operate coal mining in the Bulli and Appin areas. BHP own and operate a number of underground coal mines located in the Bulli and Appin areas and the nearest current underground mine at the site is located approximately 6 km north of the Walker site, near Douglas Park. As discussed in the PCA, BHP exploration / monitoring bores are located on the portion of the Wilton Junction site known as 'Governors Hill' (see Figure 1) which is located approximately 3 km north of the Walker site.

The BHP bores were installed by BHP in 2005 for the purposes of monitoring groundwater levels only as part of their mine dewatering program. The groundwater levels are frequently monitored using in-bore data loggers. The bores were installed using a truck mounted drill rig; groundwater bores were subsequently installed and appropriately sealed above the bore slots. All spoil and water was taken off site by BHP and disposed of appropriately.

As discussed in the PCA, DP understands mine water irrigation has previously occurred in the southern half of the Walker site using excess mine water from dewatering activities at Appin. Based on discussions with South 32, irrigation using mine water at the Walker site has not occurred since 2008, i.e. since the sale of the site to Walker. At the time of reporting, DP has placed a request with South 32 to receive data on the quality of the mine water at the time of irrigation. DP recommends that data received is considered as part of future investigation works (see Section 4). The location where mine water irrigation occurred is referred to as Area of Environmental Concern (AEC) 30 as documented in the PCA and is presented in Drawing 1, attached.

² From the Bureau of Meteorology (BOM) Groundwater Explorer <http://www.bom.gov.au/water/groundwater/explorer/map.shtml>. Last accessed 12 January 2016.

³ Prior to 25 May 2015. <https://en.wikipedia.org/wiki/South32>. Last accessed 12 January 2016.

As part of the scope of the PCA, three test pits were completed within the extent of AEC 30 (TP41 – TP43) for logging purposes. No visual or olfactory indicators of potential contamination were observed during logging. Owing to the preliminary stage of the investigation works, the scope of the PCA did not include soil sampling and analysis for contamination assessment purposes.

4.3 Conceptual Site Model

A conceptual site model (CSM) is a representation of site-related information regarding contamination sources, receptors and exposure pathways between those sources and receptors (linkages). A preliminary CSM provides a framework to identify potential contamination sources and how potential receptors may be exposed to contamination either in the present or the future (i.e. it enables an assessment of the potential source – pathway – receptor linkages). The preliminary CSM is used to inform future contamination investigations (if required).

4.3.1 Potential Sources

Based on the review of site history information and the site inspection, the identified sources, description of sources and contaminants of potential concern (COPC) at the site have been summarised in Table 3, below. The locations of AEC for the Walker site are shown on Drawing 1, attached.

Table 3: Potential Contamination Sources and COPC

| Potential Source | AEC# | Description of Potential Source | COPC |
|--------------------|----------------|---|--|
| Fill Material (S1) | 18, 22, 24, 29 | During the site inspection, filling was observed within drainage lines at various locations across the Walker site. Anthropogenic materials were observed within one drainage line. | Metals, TRH, BTEX, PCB, PAH, ASB, OCP*, OPP* |
| | 19, 34 | A possible area of filling was noted within the western portion of the site, and anthropogenic filling was observed west of the race track | |
| | 28 | A dam was observed south east of the race track. The dam wall is likely to contain fill. | |

| Potential Source | AEC# | Description of Potential Source | COPC |
|-------------------------------------|-----------------------------|---|--|
| Existing fibreboard structures (S2) | 32 | <p>During the site inspection, a small shed/ structure, south east of the race track and adjacent to the residential building appeared to be partly constructed from ACM (corrugated asbestos roofing and walls was noted)</p> <p>Review of current aerial photographs indicates that there are also similar shed like structures near the northern boundary, within the western half of the site, which may be partly constructed from ACM</p> | Lead, asbestos |
| Building Demolition (S3) | - | Review of aerial photography shows that possible building demolition material may be present east of the fibro structures (located south east of the race track). Building demolition material is often an indicator of the presence of ACM | Asbestos |
| Mounds /Stockpiles (S4) | 20, 21, 33, 35, | <p>Review of current aerial photographs indicates that there is a region within the central portion of the west side, adjacent the sheds / fenced-off horse area that appears to be used for stockpiling of materials.</p> <p>A small stockpile of asphalt gravel was noted during the site inspection.</p> <p>An anthropogenic stockpile consisting of timber tyres and scrap metal was noted towards the north of the site, and fill mounds with anthropogenic material was observed adjacent the fibro structure, located north east of the race track</p> | Metals, TRH, BTEX, PCB, PAH, ASB, OCP* OPP* |
| Ground Disturbance (S5) | 12, 13, 14, 15, 16, 17, 23, | Several ground disturbances have been observed across the site | Metals, TRH, BTEX, PCB, PAH, ASB, OCP*, OPP* |
| Mine water irrigation (S6) | 30 | A mine water irrigation area within the southern portion of the site was noted during the site inspection. The surface of the area appeared to have been ploughed or reworked with broken PVC pipes being observed on the surface. | Metals, TRH, BTEX, PCB, PAH |

Notes:

Metals: comprising arsenic (As), cadmium (Cd), chromium (Cr), copper (Cu), lead (Pb), mercury (Hg), nickel (Ni) and zinc (Zn);
 TRH - Total recoverable hydrocarbons;

BTEX - Benzene, toluene, ethylbenzene and xylene;

PAH - Polycyclic aromatic hydrocarbons;

OCP and OPP - Organochlorine and organophosphorous pesticides;

PCB - Polychlorinated biphenyls;

ACM - Asbestos Containing Material

* Relevant to AEC12, 21 - 24, 28, 33, 34

4.3.2 Potential Receptors

The following potential human receptors (R) have been identified for the site:

R1 – Construction and maintenance workers (during site redevelopment);

R2 – Future site users following development of the site; and

R3 – Land users in adjacent areas (rural residential) including irrigation from Hawkesbury sandstone aquifer.

The following potential ecological receptors (R) have been identified for the site:

R4 – Local groundwater, and receiving water bodies;

R5 – Surface water bodies (creeks, dams); and

R6 – Local ecology. DP notes that potential ecological receptors are usually associated with the upper 2 m (root zone and habitation zone for many species) of the soil profile.

4.3.3 Potential Pathways

Potential pathways for contamination include the following:

P1 – Ingestion and dermal contact of soil and irrigation water;

P2 – Inhalation of airborne fibres, dust and / or vapours;

P3 – Leaching of contaminants and vertical migration into groundwater;

P4 – Surface water run – off;

P5 – Lateral migration of groundwater providing base flow to watercourses; and

P6 – Plant uptake.

4.3.4 Summary of Potential Complete Pathways

A 'source – pathway – receptor' approach has been used to assess the potential risks of harm being caused to human or ecological receptors from contamination sources on or in the vicinity of the site, via exposure pathways. The possible exposure pathways between the above sources (S1 – S6) and receptors (R1 to R6) are provided in Table 4 below. Assessment of the preliminary CSM was used to determine data gaps and the requirement for sampling and analysis to assess the suitability of the site for the proposed residential use.

Table 4: Preliminary Conceptual Site Model

| Source | Exposure Pathway | Receptor | Requirement for Additional Data and / or Management |
|-------------------------------|---|--|--|
| S1: Fill Material | P1 – Ingestion and dermal contact. | R1 - Construction and maintenance workers. | An intrusive investigation is required to quantify and assess possible contamination including chemical testing of soil (and groundwater if deemed necessary). |
| S2: Existing fibro structures | P2 – Inhalation of fibres, dust and/or vapours | R2 – Future site users R3 – Land users in adjacent areas. | |
| S3: Building Demolition | P3 – Leaching of contaminants and vertical migration into groundwater. | R4 – Local groundwater and receiving water bodies. | |
| S4: Mounds / Stockpiles | P4 – Surface water run-off. | R5 – Surface water bodies. | |
| S5: Ground Disturbance | P5 – Lateral migration of groundwater providing baseflow to watercourses. | | |
| S6: Mine water irrigation | P6 – Plant uptake. | R6 – Local ecology. | |

5. Conclusions

The purpose of the PCA is to provide a preliminary evaluation of the contamination status of the site and its suitability, from a contamination standpoint for the proposed residential rezoning, which includes some open space and commercial areas. The purpose of this addendum to the PCA is to respond to comments provided by the NSW EPA specific for the Walker site only. Based on the findings of the PCA and this addendum, it is considered that the potential for significant contamination at the site is low, however, further investigation is recommended for the AECs defined in this report, including review of any data received from South 32 on the quality of mine water historically used on the Walker site. In addition, low density sampling of the remaining balance of the Walker site is recommended to confirm the contamination status of the site. The additional investigation works should be undertaken prior to any development applications for subdivision and commencement of bulk earthworks.

Based on the findings of the PCA and this addendum to the PCA, the potential for groundwater contamination is not considered to be significant unless soil contamination is identified during further investigation works. If significant contamination is identified, then a groundwater investigation may be required.

It is considered that the site is suitable for rezoning for the proposed Wilton Junction development from a contamination perspective. Further investigation, as described above and remediation, as required, should be undertaken prior to subdivision.

6. Limitations

Douglas Partners Pty Ltd (DP) has prepared this report for this project at Hume Highway and Picton Road, Wilton NSW in accordance with DP's proposal MAC170002 dated 5 January 2017. The work was carried out under DP's Conditions of Engagement. This report is provided for the exclusive use of Walker Corporation Pty Ltd for this project only and for the purposes as described in the report. It should not be used by or relied upon for other projects or purposes on the same or other site or by a third party. Any party so relying upon this report beyond its exclusive use and purpose as stated above, and without the express written consent of DP, does so entirely at its own risk and without recourse to DP for any loss or damage. In preparing this report DP has necessarily relied upon information provided by the client and / or their agents.

The results provided in the report are indicative of the sub-surface conditions on the site only at the specific sampling and / or testing locations, and then only to the depths investigated and at the time the work was carried out. Sub-surface conditions can change abruptly due to variable geological processes and also as a result of human influences. Such changes may occur after DP's field testing has been completed.

DP's advice is based upon the conditions encountered during the investigation. The accuracy of the advice provided by DP in this report may be affected by undetected variations in ground conditions across the site between and beyond the sampling and/or testing locations. The advice may also be limited by budget constraints imposed by others or by site accessibility.

This report must be read in conjunction with all of the attached as well as DP's PCA report and should be kept in its entirety without separation of individual pages or sections. DP cannot be held responsible for interpretations or conclusions made by others unless they are supported by an expressed statement, interpretation, outcome or conclusion stated in this report.

Please contact the undersigned if you have any questions on this matter.

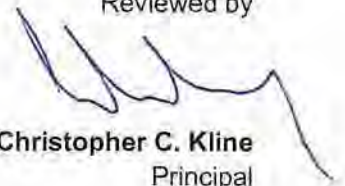
Yours faithfully

Douglas Partners Pty Ltd



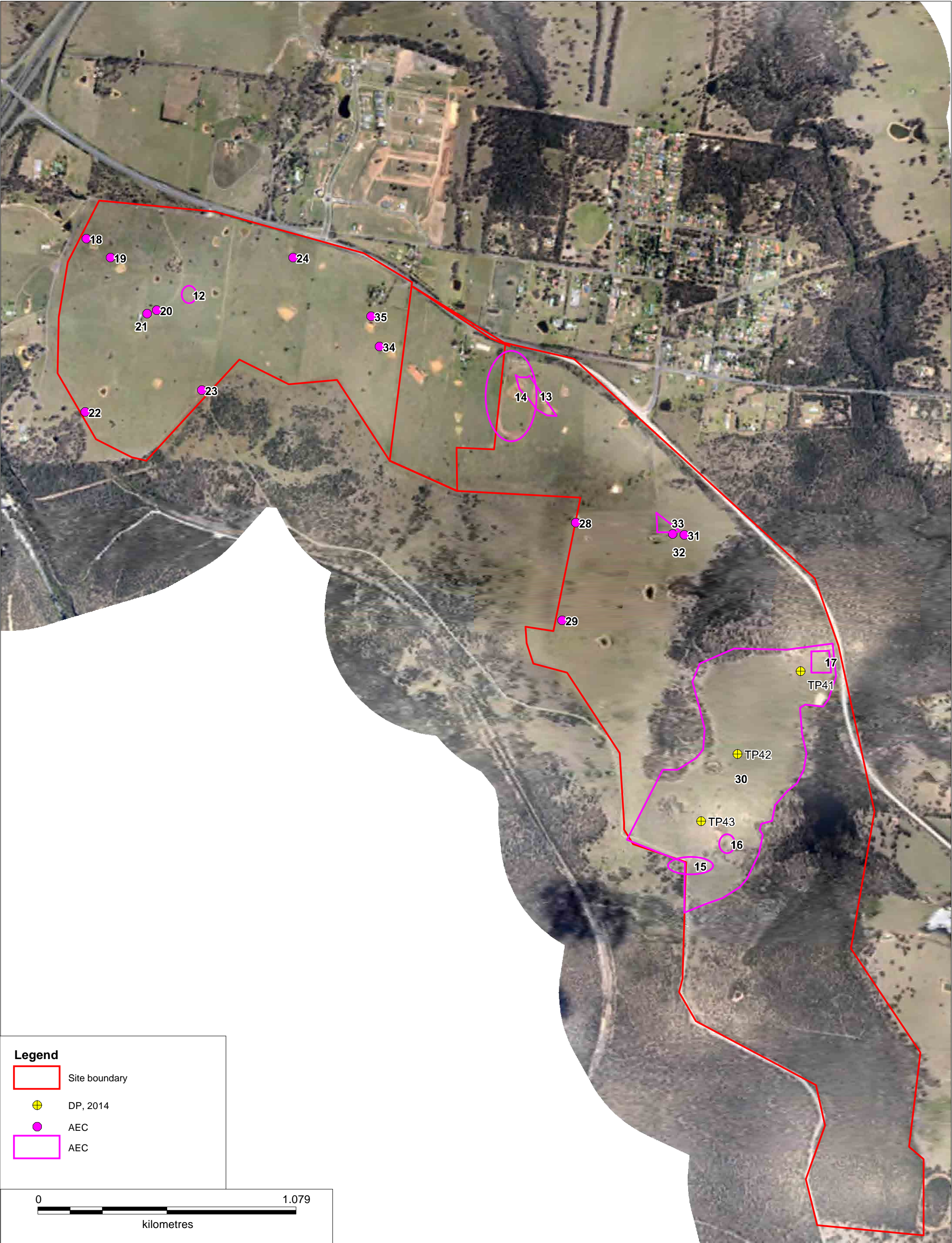
Chamali Nagodavithane
Environmental Scientist

Reviewed by



Christopher C. Kline
Principal

Attachments: Drawing 1



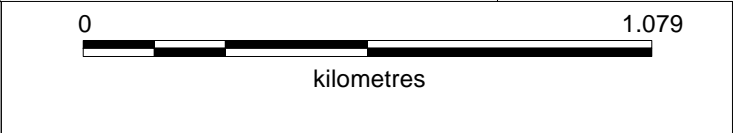
Legend

Site boundary

⊕ DP, 2014

● AEC

AEC



| | | | | | |
|------------------------------------|---|---------------|-------------|--|-------------------|
| | TITLE: Areas of Environmental Concern within Walker Site Addendum to Phase 1 Contamination Assessment Wilton Junction, Hume Highway and Picton Road, Wilton | | | | OFFICE: Macarthur |
| | | | | | DRAWN BY: CLN |
| | | | | | DATE: 9.01.2017 |
| | | | | | SCALE: As shown |
| CLIENT: Walker Corporation Pty Ltd | PROJECT No: 73467.02 | DRAWING No: 1 | REVISION: A | | |

Walker Corporation Pty Ltd
Level 21, Governor Macquarie Tower
1 Farrer Place
SYDNEY NSW 2000
Attention: Mr Gerry Beasley

Project 73467.03
3 March 2017
R001.Rev0
EMG

Email: gerry.beasley@walkercorp.com.au

Dear Sirs

**Supplementary Phase 1 Contamination Assessment
Wilton Junction Rezoning - Walker Land
1000 and 1010 Picton Road, Wilton, NSW**

1. Introduction

Douglas Partner Pty Ltd (DP) has been engaged by Walker Corporation (Walker) to prepare a Supplementary Phase 1 Contamination Assessment (Supplementary PCA) for a portion of land to be developed by Walker (the Walker site) located in Wilton Junction, NSW. DP has previously prepared a report titled *Report on Phase 1 Contamination Assessment, Land Capability Assessment, Wilton Junction, Hume Highway and Picton Road, Wilton*, Project 73467.00 Rev 6, June 2014 (DP, 2014; the PCA) for the proposed rezoning of Wilton Junction (including the Walker site). DP subsequently prepared a report titled *Addendum to the Phase 1 Contamination Assessment, Wilton Junction, Hume Highway and Picton Road, Wilton, NSW*, Project 73467.03, dated 17 January 2017 ('PCA Addendum'). The PCA Addendum was prepared in response to comments provided by the NSW Environment Protection Authority (EPA) on the PCA for the Walker site.

Since the completion of the PCA in 2014, Walker Corporation has acquired an additional two lots located at 1000 and 1010 Picton Road (Lots 25 and 26 on Deposited Plan 253157 respectively¹). Walker intends to include 1000 and 1010 Picton Road (collectively referred to as 'the site') as part of the proposed Wilton Junction development. Walker Corporation therefore requires a Supplementary PCA be completed for the site. The Supplementary PCA is required by Walker for their application to Wollondilly Shire Council ('Council') for the proposed rezoning for residential land use of the balance of the Walker site. The location of the site and the wider Walker site is shown on Drawing 1, attached.

This report presents the findings of the Supplementary PCA specific to the site and is intended to provide information of relevance to the site only that is not provided for in the PCA (DP, 2014). This PCA Addendum should therefore be read in conjunction with the PCA.

¹ A separate lot associated with a water main (Lot 1 on Deposited Plan 744834) traverses the lots and continues towards the north east and south west of the site.

1.1 Purpose

The purpose of the Supplementary PCA is to provide a preliminary evaluation of the contamination status of the site and its suitability, from a contamination standpoint, for the proposed residential rezoning, which may include some open space and commercial areas.

1.2 Scope of Work

The following scope of work was completed to inform the Supplementary PCA:

- A site walkover was completed on 27 January 2016;
- A site history review including historical aerial photographs was completed for the site; and
- Preparation of this letter report.

2. Site Description

The site covers an area of approximately 27 hectares and is located in Wollondilly Shire local government area. The site is bound by Picton Road to the north, and rural residential / pastoral land to the east, west and south. The site level slopes toward the north, from between 214 m in the north and 260 m above Australian Height Datum (AHD) in the south. A topographic ridge runs parallel with the southern boundary, beyond which is designated Special Area (restricted entry) for the purpose of drinking water protection. 1000 Picton Road is currently not occupied and only used for cattle and horse agistment. 1010 Picton Road is currently occupied and used for mixed rural residential, horse stables and mixed livestock grazing.

Regional geology and soils as discussed in the PCA remains applicable to the site.

2.1 Land Ownership

Land ownership for the site is as defined in Table 1 below.

Table 1: Land Parcel Details

| Address | Lot | DP | Area (Ha) | Owner |
|--------------------------|-----|--------|-----------|------------------------|
| 1000 Picton Road, Wilton | 25 | 253157 | 14.1 | Walker Corporation P/L |
| 1010 Picton Road, Wilton | 26 | 253157 | 11.61 | Walker Corporation P/L |

3. Site History Review

A review of site history information was completed for the site and the findings are presented in Sections 5.1 to 5.4 below.

3.1 Statutory Notices and Licenses

A search on the NSW EPA Land Information records² confirmed that there are no current statutory notices under the *Contaminated Land Management Act* (1997) for the site.

A search of the NSW EPA current list of activities licensed by the EPA under Schedule 1 of the *Protection of the Environment Operations* (POEO) Act 1997 confirmed that there are no current licenses for the site.

3.2 Section 149(2) and (5) Planning Certificate

Copies of current Section 149(2) and (5) planning certificates for the site have been assessed for any contamination specific conditions. None were identified. Copies of planning certificates are attached.

3.3 Previous Investigations

DP were not provided with any previous investigations of relevance to this site.

3.4 Historical Aerial Photography

Historical aerial photographs for the site are presented in Drawings 2 to 7 attached (in order). Key findings of the review of historical aerials are presented below.

1955

- The resolution of the 1955 historical aerial is of poor quality. The site appears to be largely cleared (likely agricultural / pastoral land use) with sparse tree cover;
- A large dam is visible in the north east part of the site; and
- Picton Road is located north of the site (and is not visible on the aerial photograph provided in Drawing 2).

1961

- A small structure is visible in the north eastern part of the site on 1010 Picton Road (circled on Drawing 3). Several dams and a connecting creek run south to north through the eastern part of the site; and
- A small dam is visible in the western part 1000 Picton Road.

1975

- A linear feature, likely a vehicle track is visible running east to west in the northern part of 1000 Picton Road (circled on Drawing 4).

² Completed on 2 February 2017.

1984

- The linear feature observed in the 1975 aerial photograph is no longer present. Several structures, paddocks and a house are present in the northern part of 1010 Picton Road. An additional dam has been placed near to the centre of the site, on the boundary between both properties; and
- Picton road is now located in its current alignment, next to the northern site boundary.

1994

- Tree cover surrounding the house in the northern part of 1010 Picton Road appears to have become more developed.

2015

- Land scarring and a small structure are visible in the centre of 1000 Picton Road (circled on Drawing 7).

3.5 Groundwater Bore Database

A search of the NSW Groundwater Database indicates that there are no current registered groundwater bores on the site. One current registered groundwater bore utilised for water supply purposes is located within 1 km radius of the site. The groundwater bore is 148 m deep.

4. Site Walkover

A site walkover was undertaken by an environmental engineer from DP on the 27 January 2017 and additional information requested from the current tenants, where relevant. Photographs were taken during the site walkover and are attached, with relevant site features shown on Drawing 1, attached. PAEC were assessed and descriptive logs were completed and are attached.

Key findings of the walkover are presented below:

- At the time of the inspection, the balance of the site was used for mixed horse, sheep and alpaca grazing. The house (Photograph 1) appeared to be constructed from brick and concrete or terracotta tile. A fragment of fibre-cement sheeting (laboratory analysis – see attached laboratory report) was observed on the garden surface to the south west of the house. Laboratory analysis did not report any asbestos in the fragment (see attached). A septic tank is located adjacent to the house;
- A large corrugated steel shed and corroded steel water tank was observed to the west of the house that did not appear to have been used for some time. A drum and gas cylinder was observed on the southern side of the shed with charred residue indicating a previous fire had occurred here (Photograph 2). The contents of the drum could not be inspected at the time of the walkover because the drum was closed and sealed at the time of the inspection. To the south west of the shed is a stockpile of refuse containing corrugated steel, an old lawnmower, several empty containers and a car battery; and

- Relic brick foundations and two stone structures were observed to the south of the house (Photograph 3), one resembling a chimney or kiln. The structures are suspected to have been present for some time and possibly remnants from a former homestead which is located where a former structure was observed on the 1961 aerial photograph.
- Empty containers of 'Stellite Coatings' with listed ingredients including boron, cobalt, chromium, iron, manganese, molybdenum, nickel, silicon and tungsten (Photograph 4) were scattered in several areas across 1010 Picton Road, including:
 - o The stockpile located south west of the large corrugated steel shed;
 - o In several locations in the drainage line and associated dams running south to north; and
 - o On the ground surface in the field located to the south of the house.

Based on discussions with the current tenants, the containers have been located on the lot prior to the start of their tenancy and their original purpose was not known.

- Suspected filling containing suspected construction and demolition material partially covered with bramble was observed to the south of the house (Photograph 5);
- Several dam walls were observed across the site, the walls of which appear to comprise filling. However the surface of the walls resembled the surrounding natural soil conditions and no anthropogenic material was observed;
- A large metal shed on a concrete platform was observed in the centre of 1000 Picton Road. The metal shed appeared to have been recently used for domestic purposes and a septic tank was observed nearby. Three dismantled vehicles are also located close to the shed. Several stockpiles and materials were located near to the shed, including:
 - o white unsealed container labelled 'Poison hazardous pesticide' (Photograph 6) but has been introduced to the site by the current tenant to transfer water only and has not contained pesticides while it has been on the property (confirmed by the current tenant);
 - o panels of plasterboard;
 - o kitchen appliances;
 - o timber and felled vegetation;
 - o mulch;
 - o wooden pallets;
 - o bags of builders sand; and
 - o construction related material including fencing and demarcation.
- Suspected localised filling and stockpiling of metal furniture, timber, PVC buckets and one empty drum was observed to the north east of the large metal shed (Photograph 7); and
- Several fragments of fibre cement sheeting were observed on the ground surface of a dirt track running parallel to the fence on the eastern side of 1000 Picton Road. Laboratory analysis did not report any asbestos in the fragments (see attached).

5. Potential for Contamination

The Supplementary PCA has identified a total of ten Potential Areas of Environmental Concern (PAEC). Each PAEC was described on a PAEC Identification and Inspection Log. Based on the findings of the investigation, each PAEC was reclassified as either an AEC (if evidence so required) or not an AEC (areas which require no further investigation). The PAEC logs are attached and findings are summarised in Table 2 below and presented in Drawing 8, attached.

Table 2: Summary of Identified PAEC and AEC

| PAEC # | Identified From | Brief Description | Walkover Findings | Outcome |
|--------|-----------------------------|--|---|---------|
| 1 | Historical aerial – 1955 | House or building visible in aerial photograph | Footprint inspected and natural soil conditions only observed | Not AEC |
| 2 | Historical aerial – 1961 | Structure visible in aerial photograph | Remnant stone structures observed | Not AEC |
| 3 | Historical aerial – various | Several dams currently and historically located at the time may contain filling | No suspected anthropogenic material observed in exposed dam walls | Not AEC |
| 4 | Site walkover | Fragment of hardiflex in south garden, next to house | Laboratory testing confirmed no asbestos present in fragment tested | Not AEC |
| 5 | Site walkover | Possible oil / fuel spillage | Possible localised shallow soil impact – confirmatory soil analysis can confirm if impacted | AEC |
| 6 | Site walkover | Numerous discarded empty small blue containers labelled “Stellite Coating” containing several metals | Origin and use is not known by the current tenants | AEC |
| 7 | Site walkover | Stockpile containing construction and demolition materials | -- | AEC |
| 8 | Site walkover | Possible filling near steel shed | -- | AEC |
| 9 | Site walkover | Fragments of hardiflex on ground surface | Laboratory testing confirmed no asbestos present in fragment tested | Not AEC |

6. Conclusions and Recommendations

The purpose of this Supplementary PCA is to provide a preliminary evaluation of the contamination status of the site, and its suitability from a contamination standpoint for the proposed residential rezoning of the site. Based on the findings of the Supplementary PCA, it is considered that the potential for significant contamination at the site is low; however, further investigation is recommended for the AEC as shown in Section 7. It is anticipated that further investigation could be undertaken prior to future development applications. In addition, low density sampling of the remaining residential area (excluding AEC) is recommended to confirm the contamination status of the site.

Yours faithfully

Douglas Partners Pty Ltd



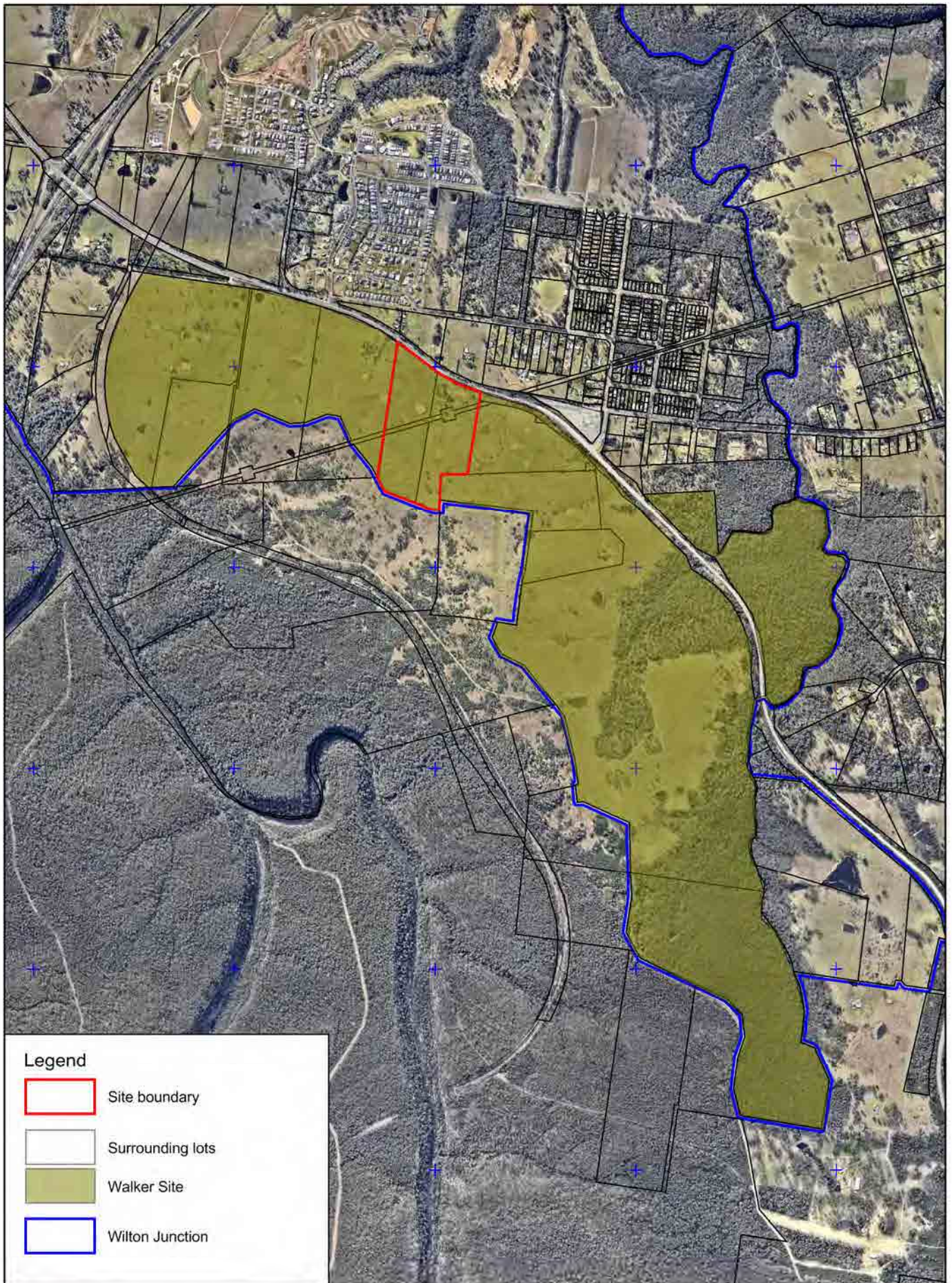
Emily McGinty
Environmental Scientist

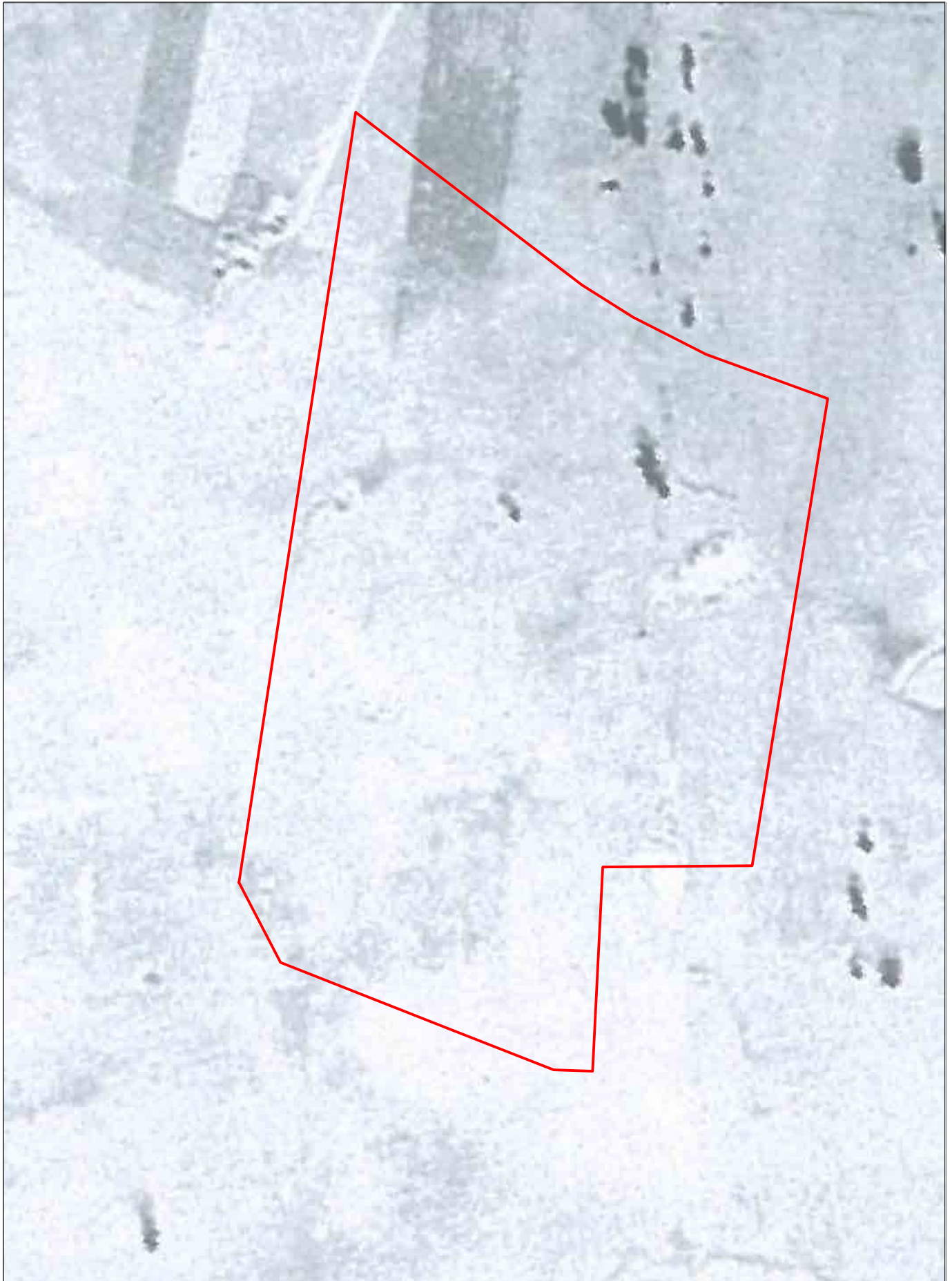
Reviewed by



Christopher C Kline
Principal

Attachments: Drawings 1 to 8
 Laboratory Analytical Report
 Section 149(2) and (5) Planning Certificates
 PAEC Logs
 Photo Plates





**1955 Historical Aerial
Supplementary PCA
Picton Road, Wilton Junction**

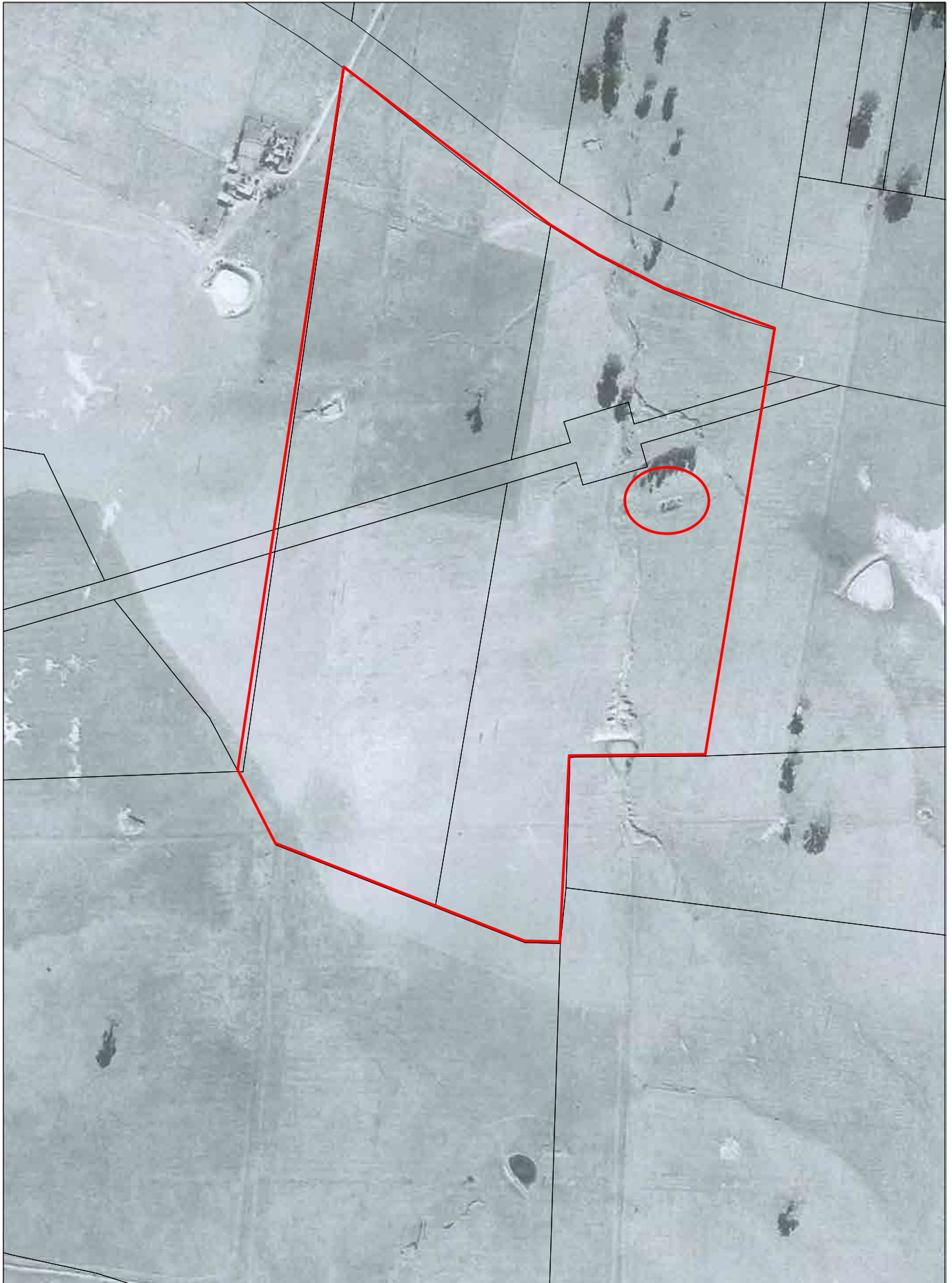
CLIENT: Walker Corporation

PROJECT No: 73467.03

DRAWING No: 2

REVISION: A

DATE: 2-Feb-17



**1961 Aerial Photograph
Supplementary PCA
Picton Road, Wilton Junction**

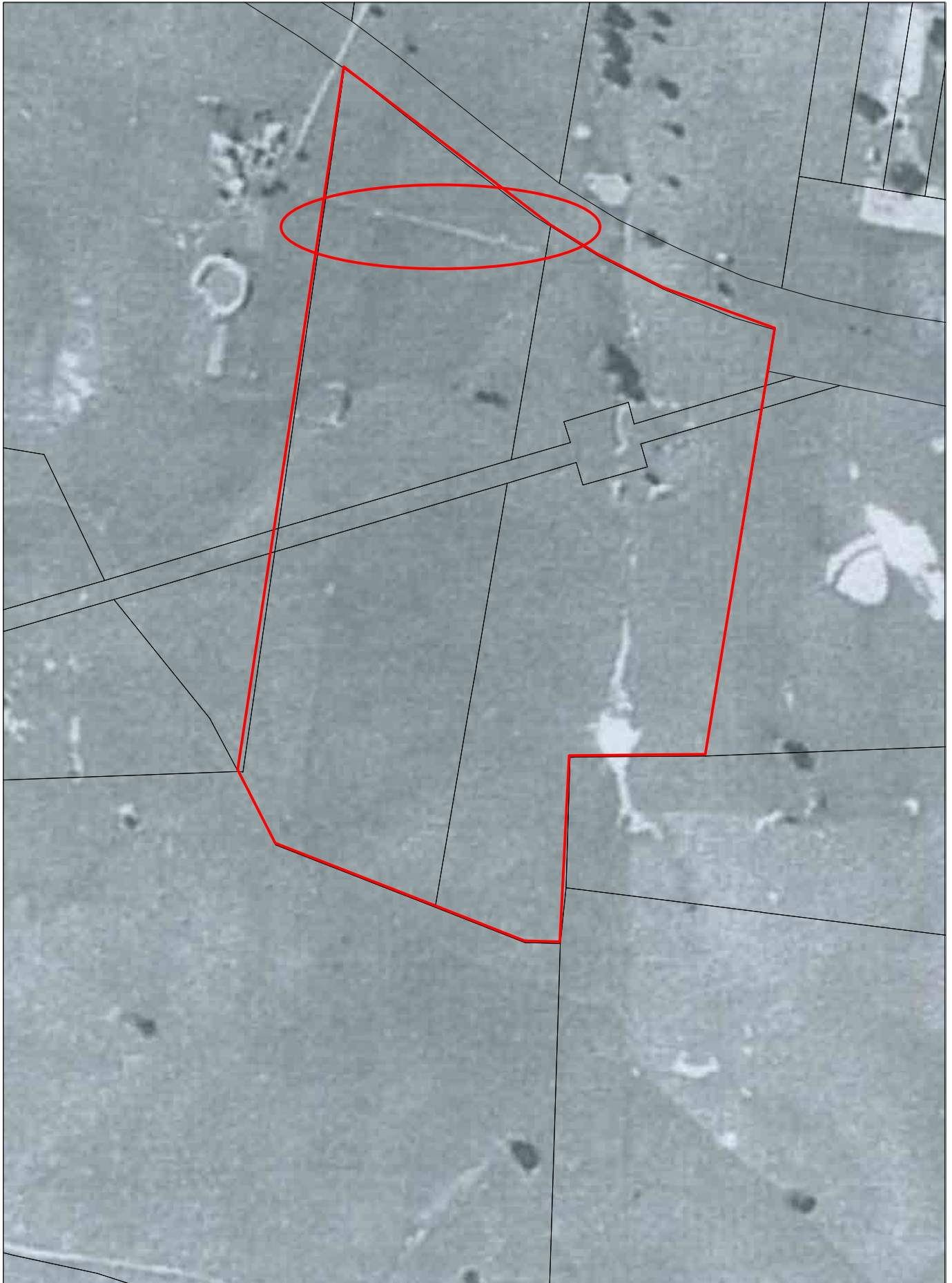
CLIENT: Walker Corporation

PROJECT No: 73467.03

DRAWING No: 3

REVISION: A

DATE: 2-Feb-17



**1975 Aerial Photograph
Supplementary PCA
Picton Road, Wilton Junction**

CLIENT: Walker Corporation

PROJECT No: 73467.03

DRAWING No: 4

REVISION: A

DATE: 2-Feb-17



**1984 Aerial Photograph
Supplementary PCA
Picton Road, Wilton Junction**

CLIENT: Walker Corporation

PROJECT No: 73467.03

DRAWING No: 5

REVISION: A

DATE: 2-Feb-17



**1994 Aerial Photograph
Supplementary PCA
Picton Road, Wilton Junction**

CLIENT: Walker Corporation

PROJECT No: 73467.03

DRAWING No: 6

REVISION: A

DATE: 2-Feb-17



**2015 Aerial Photograph
Supplementary PCA
Picton Road, Wilton Junction**

CLIENT: Walker Corporation

PROJECT No: 73467.03

DRAWING No: 7

REVISION: A

DATE: 2-Feb-17



12 Ashley Street, Chatswood, NSW 2067
tel: +61 2 9910 6200

email: sydney@envirolab.com.au
envirolab.com.au

Envirolab Services Pty Ltd - Sydney | ABN 37 112 535 645

CERTIFICATE OF ANALYSIS 161082

Client:

Douglas Partners Pty Ltd Smeaton Grange
18 Waler Crescent
Smeaton Grange
NSW 2567

Attention: Emily McGInty

Sample log in details:

| | |
|---------------------------------------|--------------------------------|
| Your Reference: | <u>73467.03, Wilton</u> |
| No. of samples: | 2 material |
| Date samples received: | 31/01/17 |
| Date completed instructions received: | 31/01/17 |

Analysis Details:

Please refer to the following pages for results and methodology summary.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Note, even after disintegration it can be difficult to detect the presence of asbestos in some asbestos containing bulk materials using PLM and dispersion staining. This is due to the low grade or small length or diameter of the asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials. Vinyl/asbestos floor tiles, some asbestos containing epoxy resins and some ore samples are examples of these types of material, which are difficult to analyse.

Report Details:

| | |
|-----------------------------|------------|
| Date results requested by: | 2/02/17 |
| Date of Preliminary Report: | Not Issued |
| Issue Date: | 1/02/17 |

NATA accreditation number 2901. This document shall not be reproduced except in full.

Accredited for compliance with ISO/IEC 17025 - Testing **Tests not covered by NATA are denoted with *.**

Results Approved By:

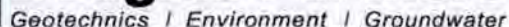
| | |
|--|------------|
| Asbestos was analysed by Approved Identifier: | Lucy Zhu |
| Asbestos was authorised by Approved Signatory: | Paul Ching |


Paul Ching
Approved Signatory



| Envirolab Ref: | Sample ID: | Date analysed | Mass / Dimension of Sample | Sample Description | Asbestos ID in materials |
|----------------|------------|---------------|----------------------------|-------------------------------------|---|
| - | - | - | - | - | - |
| 161082-1 | A1 | 1/02/2017 | 60x28x4mm | Beige layered fibre cement material | No asbestos detected Organic fibres detected |
| 161082-2 | A2 | 1/02/2017 | 130x115x5mm | Beige layered fibre cement material | No asbestos detected Organic fibres detected |

| MethodID | Methodology Summary |
|----------------|--|
| ASB-001 | Asbestos ID - Qualitative identification of asbestos in bulk samples using Polarised Light Microscopy and Dispersion Staining Techniques including Synthetic Mineral Fibre and Organic Fibre as per Australian Standard 4964-2004. |



CHAIN OF CUSTODY

| | | | |
|-----------------------|---------------------------------------|--------------------|-----------------------------------|
| Project Name: | Wilton | To: | Envirolab Services |
| Project No: | 73467.03 | Sampler: | EMG |
| Project Mgr: | EMG | Mob. Phone: | 0418 651 227 |
| Email: | emily.mcginity@douglaspartners.com.au | | Attn: Tania Notaras |
| Date Required: | 2 day turnaround | Phone: | (02) 9910 6200 |
| | | Fax: | (02) 9910 6201 |
| | | Email: | tnotaras@envirolabservices.com.au |

[illegible]

| | | | |
|-------------------------|--------------------------|--------------------------------------|---------------------------------------|
| Lab Report No: | | | |
| Send Results to: | Douglas Partners Pty Ltd | Address | 18 Waler Crescent Smeaton Grange 2567 |
| | | Phone: | (02) 4647 0075 |
| Relinquished by: | EMG | Transported to laboratory by: | |
| Signed: | | Date & Time: | 31.01.17 |
| | | Received by: | James - PLC |

**PLANNING CERTIFICATE UNDER SECTION
149(2) & (5)
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

APPLICANT: Morris Hayes and Edgar
DX 420
SYDNEY

Planning Certificate No.: 20141497
Receipt No.: 566493
Issue Date: 2 September 2014
Applicant's Reference: P40227 - MO/Wilton - 1000 Pic
Property No.: 12082

DESCRIPTION OF PROPERTY

Address: 1000 Picton Road WILTON 2571
Land Description: Lot: 25 DP: 253157

Notes:

The following prescribed matters may apply to the land to which this certificate relates.

Where this certificate refers to a specific allotment (or allotments) within a strata plan, the certificate is issued for the whole of the land within the strata plan, not just the specific allotment(s) referred to, and any information contained in the certificate may relate to the whole, or any part, of the strata plan.

The following information is provided pursuant to Section 149(2) of the Environmental Planning and Assessment Act 1979 as prescribed by Schedule 4 of the Environmental Planning and Assessment Regulation 2000 and is applicable as at the date of this certificate.

Information provided in this certificate should be interpreted in conjunction with the relevant plans, policies and documents held at Council. In order to obtain copies of these documents you may purchase them from Council's Administration Centre at 62-64 Menangle Street, Picton or view free of charge on Council's Website www.wollondilly.nsw.gov.au.

1. NAMES OF RELEVANT PLANNING INSTRUMENTS AND DCPS

- (1) The name of each environmental planning instrument that applies to the carrying out of development on the land.
- (2) The name of each proposed environmental planning instrument that will apply to the carrying out of development on the land and that is or has been the subject of community consultation or on public exhibition under the Act (unless the Director-General has notified the council that the making of the proposed instrument has been deferred indefinitely or has not been approved).
- (3) The name of each development control plan that applies to the carrying out of development on the land.
- (4) In this clause, proposed environmental planning instrument includes a planning proposal for a LEP or a draft environmental planning instrument.

ENVIRONMENTAL PLANNING INSTRUMENTS

Wollondilly Local Environmental Plan 2011.

Sydney Regional Environmental Plan No 20 - Hawkesbury-Nepean River (No 2 - 1997)

Sydney Regional Environmental Plan No 9 Extractive Industries (No 2 - 1995)

State Environmental Planning Policy (Building Sustainability Index: BASIX) 2004

State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004

State Environmental Planning Policy No 21 - Caravan Parks

State Environmental Planning Policy No 30 - Intensive Agriculture

State Environmental Planning Policy No 33 - Hazardous and Offensive Development

State Environmental Planning Policy No 44 - Koala Habitat Protection
(Note: Excludes land dedicated or reserved as National Park)

State Environmental Planning Policy No 50 - Canal Estate Development

State Environmental Planning Policy No 55 - Remediation of Land

State Environmental Planning Policy No 64 - Advertising and Signage

State Environmental Planning Policy No 65 - Design Quality of Residential Flat Development

State Environmental Planning Policy (Major Development) 2005

State Environmental Planning Policy (Miscellaneous Consent Provisions) 2007

State Environmental Planning Policy (Infrastructure) 2007

State Environmental Planning Policy (Exempt and Complying Development Codes) 2008

State Environmental Planning Policy No 62 - Sustainable Aquaculture

State Environmental Planning Policy (Affordable Rental Housing) 2009

State Environmental Planning Policy (Sydney Drinking Water Catchment) 2011

State Environmental Planning Policy (State and Regional Development) 2011

State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007

PROPOSED ENVIRONMENTAL PLANNING INSTRUMENTS

Draft State Environmental Planning Policy (Competition) 2010

DEVELOPMENT CONTROL PLANS

Wollondilly Development Control Plan 2011

2. ZONING AND LAND USE UNDER RELEVANT LEPS

For each environmental planning instrument or proposed instrument referred to in clause 1 (other than a SEPP or proposed SEPP) that includes the land in any zone (however described):

WOLLONDILLY LOCAL ENVIRONMENTAL PLAN 2011

- (a) the identity of the zone, whether by reference to a name (such as "Residential Zone" or "Heritage Area") or by reference to a number (such as "Zone No 2 (a)"),

Zone RU2 Rural Landscape

- (b) the purposes for which the instrument provides that development may be carried out within the zone without the need for development consent:

Extensive agriculture; Home occupations and development listed in Schedule 2 of Wollondilly Local Environmental Plan 2011 provided it meets the criteria in that schedule

- (c) the purposes for which the instrument provides that development may not be carried out within the zone except with development consent,

Agriculture; Airports; Animal boarding or training establishments; Bed and breakfast accommodation; Boat building and repair facilities; Boat sheds; Cellar door premises; Cemeteries; Community facilities; Crematoria; Depots; Dwelling houses; Educational establishments; Environmental facilities; Environmental protection works; Extractive industries; Farm buildings; Farm stay accommodation; Flood mitigation works; Forestry; Freight transport facilities; Funeral homes; Group homes; Home-based child care; Home businesses; Home industries; Home occupations (sex services); Hospitals; Information and education facilities; Landscaping material supplies; Mortuaries; Places of public worship; Plant nurseries; Recreation areas; Recreation facilities (indoor); Recreation facilities (outdoor); Research stations; Roads; Roadside stalls; Rural industries; Rural supplies; Rural workers' dwellings; Secondary dwellings; Signage; Transport depots; Veterinary hospitals; Water recreation structures; Water supply systems

- (d) the purposes for which the instrument provides that development is prohibited within the zone,

Stock and sale yards; Turf farming; Any other development not specified in item (b) or (c)

- (e) whether any development standards applying to the land fix minimum land dimensions for the erection of a dwelling house on the land and, if so, the minimum land dimensions so fixed,

A dwelling house cannot be erected on any lot created under clause 4.2 of Wollondilly Local Environmental Plan 2011. That is, a dwelling house cannot be erected on lots less than the minimum allotment size for subdivision which have only been created for the purpose of primary production.

Reference must be made to clause 4.2 of Wollondilly Local Environmental Plan 2011 and the Lot Size Map for further information.

Wollondilly Local Environmental Plan 2011 Clause 4.2A and the Minimum Lot Size Map sets the minimum land dimensions for the erection of a dwelling house on this land as follows:

Development consent for the purposes of the erection of a dwelling house may only be granted if no dwelling house has been erected on the land (unless the application is to replace the existing dwelling-house) and;

- (a) the lot is at least the minimum lot size specified for that land by the Lot Size Map being 16 hectares; or
- (b) the lot was created before this Plan commenced and on which a dwelling house was permissible immediately before that commencement; or
- (c) the lot resulted from a subdivision for which development consent (or equivalent) was granted before this Plan commenced and on which the erection of a dwelling house would have been permissible if the plan of subdivision has been registered before that commencement.

Reference must be made to Clause 4.2A of Wollondilly Local Environmental Plan 2011 and the Lot Size Map for further information.

- (f) whether the land includes or comprises critical habitat,

None known

- (g) whether the land is in a conservation area (however described),

The land is not located within a Heritage Conservation Area as provided by clause 5.10 and Schedule 5 of Wollondilly Local Environmental Plan 2011.

- (h) whether an item of environmental heritage (however described) is situated on the land.

The land does not contain an item of environmental heritage as provided by clause 5.10 and Schedule 5 of Wollondilly Local Environmental Plan 2011.

2A. ZONING AND LAND USE UNDER STATE ENVIRONMENTAL PLANNING POLICY (SYDNEY REGION GROWTH CENTRES) 2006

This clause is not applicable to the Wollondilly Local Government Area.

3. COMPLYING DEVELOPMENT

- (1) Whether or not the land is land on which complying development may be carried out under each of the codes for complying development because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18A (1) (c3) and 1.19 of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.
- (2) If complying development may not be carried out on that land because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18A (1) (c3) and 1.19 of that Policy, the reasons why it may not be carried out under that clause.

- (3) If the council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land, a statement that a restriction applies to the land, but it may not apply to all of the land, and that council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land.

THE GENERAL HOUSING CODE

Complying development under the General Housing Code in State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 MAY NOT be carried out on part of the land. The land is identified in an environmental planning instrument as unsewered land partly within a Drinking Water Catchment.

THE RURAL HOUSING CODE

Complying development under the Rural Housing Code in State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 MAY NOT be carried out on part of the land. The land is partly identified in an environmental planning instrument as unsewered land within a Drinking Water Catchment.

Note: The land is a lot to which the Rural Housing Code applies, complying development may be carried out on the part of the lot to which this clause does not apply.

THE HOUSING ALTERATIONS CODE

Complying development under the Housing Alterations Code in State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 MAY NOT be carried out on part of the land. The land is identified in an environmental planning instrument as unsewered land partly within a Drinking Water Catchment.

THE GENERAL DEVELOPMENT CODE

Complying development under the General Development Code in State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 MAY NOT be carried out on part of the land. The land is partly identified in an environmental planning instrument as unsewered land within a Drinking Water Catchment.

THE COMMERCIAL AND INDUSTRIAL ALTERATIONS CODE

Complying development MAY be carried out on the land under the Commercial and Industrial Alterations Code in State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.

THE COMMERCIAL AND INDUSTRIAL (NEW BUILDINGS AND ALTERATIONS) CODE

Complying development under the Commercial and Industrial (New Buildings and Alterations) Code in State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 MAY NOT be carried out on part of the land. The land is identified in an environmental planning instrument as unsewered land partly within a Drinking Water Catchment.

THE SUBDIVISIONS CODE

Complying development MAY be carried out on the land under the Subdivisions Code in State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.

THE DEMOLITION CODE

Complying development MAY be carried out on the land under the Demolition Code in State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.

THE FIRE SAFETY CODE

Complying development MAY be carried out on the land under the Fire Safety Code in State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.

4. COASTAL PROTECTION

Whether or not the land is affected by the operation of section 38 or 39 of the *Coastal Protection Act 1979*, but only to the extent that the council has been notified by the Department of Services, Technology and Administration.

No

4A. CERTAIN INFORMATION RELATING TO BEACHES AND COASTS

This clause is not applicable to the Wollondilly Local Government Area.

4B. ANNUAL CHARGES UNDER LOCAL GOVERNMENT ACT 1993 FOR COASTAL PROTECTION SERVICES THAT RELATE TO EXISTING COASTAL PROTECTION WORKS

This clause is not applicable to the Wollondilly Local Government Area.

5. MINE SUBSIDENCE

Whether or not the land is proclaimed to be a mine subsidence district within the meaning of section 15 of the *Mine Subsidence Compensation Act 1961*.

The land is within a proclaimed Mine Subsidence District under the Mine Subsidence Compensation Act 1961. The approval of the Mine Subsidence Board is required for all subdivision and building, except for certain minor structures. Surface development controls are in place to prevent damage from old, current or future mining. It is strongly recommended prospective purchasers consult with the Mine Subsidence Board regarding mine subsidence and any surface development guidelines. The Board can assist with information about mine subsidence and advise whether existing structures comply with the requirements of the Act

6. ROAD WIDENING AND ROAD REALIGNMENT

Whether or not the land is affected by any road widening or road realignment under:

- (a) Division 2 or Part 3 of the *Roads Act 1993*, or
- (b) Any environmental planning instrument, or
- (c) Any resolution of the council.

No

7. COUNCIL AND OTHER PUBLIC AUTHORITY POLICIES ON HAZARD RISK RESTRICTIONS

Whether or not the land is affected by a policy:

- (a) Adopted by the council, or
- (b) Adopted by any other public authority and notified to the council for the express purpose of its adoption by that authority being referred to in planning certificates issued by the council,

that restricts the development of the land because of the likelihood of land slip, bushfire, tidal inundation, subsidence, acid sulphate soils or any other risk (other than flooding).

No

7A. FLOOD RELATED DEVELOPMENT CONTROLS INFORMATION

- (1) Whether or not development on that land or part of the land for the purposes of dwelling houses, dual occupancies, multi dwelling housing or residential flat buildings (not including development for the purposes of group homes or seniors housing) is subject to flood related development controls.

No

- (2) Whether or not development on that land or part of the land for any other purpose is subject to flood related development controls.

No

- (3) Words and expressions in this clause have the same meanings as in the standard instrument set out in the Schedule to the Standard Instrument (Local Environmental Plans) Order 2006.
-

8. LAND RESERVED FOR ACQUISITION

Whether or not any environmental planning instrument or proposed environmental planning instrument referred to in clause 1 makes provision in relation to the acquisition of the land by a public authority, as referred to in section 27 of the Act.

Wollondilly Local Environmental Plan 2011 does not provide for the acquisition of the subject land by a public authority as referred to in section 27 of the Act.

9. CONTRIBUTIONS PLANS

The name of each contributions plan applying to the land.

Wollondilly Development Contribution Plan 2011 applies to the land.

9A. BIODIVERSITY CERTIFIED LAND

If the land is biodiversity certified land (within the meaning of Part 7AA of the *Threatened Species Conservation Act 1995*), a statement to that effect.

The land is not biodiversity certified land (within the meaning of Part 7AA of the *Threatened Species Conservation Act 1995*).

10. BIOBANKING AGREEMENTS

If the land is land to which a biobanking agreement under Part 7A of the *Threatened Species Conservation Act 1995* relates, a statement to that effect (but only if the council has been notified of the existence of the agreement by the Director-General of the Department of Environment, Climate Change and Water).

Council has not been notified by the Director-General of the Department of Environment, Climate Change and Water of any biobanking agreement approved under the *Threatened Species Conservation Act 1995* for this land.

11. BUSH FIRE PRONE LAND

If any of the land is bush fire prone land (as defined in the Act), a statement that all or as the case may be, some of the land is bush fire prone land.

If none of the land is bush fire prone land, a statement to that effect.

The land is partially bush fire prone land as shown in Council's records. Further details of any applicable restrictions on development of the land may be obtained on application to Council.

12. PROPERTY VEGETATION PLANS

Whether or not the land is land to which a property vegetation plan under the *Native Vegetation Act 2003* applies, a statement to that effect (but only if the council has been notified of the existence of the plan by the person or body that approved the plan under the Act).

Council has not been notified of any such plan that affects this land.

13. ORDER UNDER TREES (DISPUTES BETWEEN NEIGHBOURS) ACT 2006

Whether an order has been made under the *Trees (Disputes between Neighbours) Act 2006* to carry out work in relation to a tree on the land (but only if the council has been notified of the order).

No

14. DIRECTIONS UNDER PART 3A

If there is a direction by the Minister in force under section 75P (2) (c1) of the Act that a provision of an environmental planning instrument prohibiting or restricting the carrying out of a project or a stage of a project on the land under Part 4 of the Act does not have effect, a statement to that effect identifying the provision that does not have effect.

No

15. SITE COMPATIBILITY CERTIFICATES AND CONDITIONS FOR SENIORS HOUSING

If the land is land to which *State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004* applies:

- (a) a statement of whether there is a current site compatibility certificate (seniors housing), of which the council is aware, in respect of proposed development on the land and, if there is a certificate, the statement is to include:
 - (i) the period for which the certificate is current, and
 - (ii) that a copy may be obtained from the head office of the Department of Planning, and

There is not a current site compatibility certificate (seniors housing) as described that applies to this land.

- (b) a statement setting out any terms of a kind referred to in clause 18 (2) of that Policy that have been imposed as a condition of consent to a development application granted after 11 October 2007 in respect of the land.

There are currently no conditions of consent relating to a development application for seniors housing that apply to the land.

16. SITE COMPATIBILITY CERTIFICATES FOR INFRASTRUCTURE

A statement of whether there is a valid site compatibility certificate (infrastructure), of which the Council is aware, in respect of proposed development on the land and, if there is a certificate, that statement is to include:

- (a) the period for which the certificate is valid, and
- (b) that a copy may be obtained from the head office of the Department of Planning.

There is not a valid site compatibility certificate (infrastructure) as described that applies to this land.

17. SITE COMPATIBILITY CERTIFICATES AND CONDITIONS FOR AFFORDABLE RENTAL HOUSING

- (1) A statement of whether there is a current site compatibility certificate (affordable rental housing), of which the Council is aware, in respect of proposed development on the land and, if there is a certificate, that statement is to include:
- (a) the period for which the certificate is current, and
 - (b) that a copy may be obtained from the head office of the Department of Planning

There is not a current site compatibility certificate (affordable rental housing) as described that applies to this land.

- (2) A statement setting out any terms of a kind referred to in clause 17 (1) or 37 (1) of *State Environmental Planning Policy (Affordable Rental Housing) 2009* that have been imposed as a condition of consent to a development application in respect of the land.

There are currently no conditions of consent relating to a development application for affordable rental housing that apply to the land.

18. PAPER SUBDIVISION INFORMATION

- (1) The name of any development plan adopted by a relevant authority that applies to the land or that is proposed to be subject to a consent ballot.

None

- (2) The date of any subdivision order that applies to the land.

None

- (3) Words and expressions used in this clause have the same meaning as they have in Part 16C of this Regulation.

19. SITE VERIFICATION CERTIFICATES

A statement of whether there is a current site verification certificate, of which the council is aware, in respect of the land and, if there is a certificate, the statement is to include:

- (a) the matter certified by the certificate, and

NOTE. A site verification certificate sets out the Director-General's opinion as to whether the land concerned is or is not biophysical strategic agricultural land or critical industry cluster land – see Division 3 of Part 4AA of *State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007*.

- (b) the date on which the certificate ceases to be current (if any), and
- (c) that a copy may be obtained from the head office of the Department of Planning and Infrastructure

There is no current *Site Verification Certificate* as described that applies to this land.

NOTE. The following matters are prescribed by section 59(2) of the *Contaminated Land Management Act 1997* as additional matters to be specified in a planning certificate:

- (a) that the land to which the certificate relates is significantly contaminated land within the meaning of that Act – if the land (or part of the land) is significantly contaminated land at the date when the certificate is issued,

No.

- (b) that the land to which the certificate relates is subject to a management order within the meaning of that Act – if it is subject to such an order at the date when the certificate is issued,

No.

- (c) that the land to which the certificate relates is the subject of an approved voluntary management proposal within the meaning of that Act – if it is the subject of such an approved proposal at the date when the certificate is issued,

No.

- (d) that the land to which the certificate relates is subject to an ongoing maintenance order within the meaning of that Act – if it is subject to such an order at the date when the certificate is issued,

No.

- (e) that the land to which the certificate relates is the subject of a site audit statement within the meaning of that Act – if a copy of such a statement has been provided at any time to the local authority issuing the certificate.

No.

NOTE. Section 26 of the *Nation Building and Jobs Plan (State Infrastructure Delivery) Act 2009* provides that a planning certificate must include advice about any exemption under section 23 or authorisation under section 24 of that Act if the council is provided with a copy of the exemption or authorisation by the Co-ordinator General under that Act.

Council has not been provided any advice about any exemption under section 23 or authorisation under section 24 of the *Nation Building and Jobs Plan (State Infrastructure Delivery) Act 2009* which affects this land.

THE FOLLOWING ADDITIONAL INFORMATION IS PROVIDED UNDER:

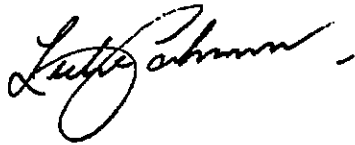
**SECTION 149(5) OF THE ENVIRONMENTAL PLANNING AND ASSESSMENT
ACT 1979**

For the purposes of Section 149(5), the following information is provided in relation to the subject property:

1. The subject land is not affected by a Foreshore Building Line.
 2. Any enquiries relating to whether or not the land has frontage to a classified road or a controlled access road should be referred directly to the RTA on 02 4221 2495.
 3. **SECOND SYDNEY AIRPORT PROPOSAL**

In November 1996 the Commonwealth Government released details of five airport options being considered for the development of a second major airport for Sydney at either Badgerys Creek or the Holsworthy Military Area. In September 1997, the Government abandoned the Holsworthy option and announced that the Draft Environmental Impact Statement would concentrate on Badgerys Creek. The Government also released the Draft Environmental Impact Statement Summary, which gives an indication of the impact of the proposal on the local environment. Information on the proposal and the Summary of the Draft Environmental Impact Statement can be obtained from the Federal Department of Transport.
 4. Other Matters (if applicable)
-

In respect of matters beyond the control and/or responsibility of Council, information provided is provided only to the extent that Council has been so notified by the relevant Authorities or Departments, which have responsibility for the administration of the particular status referred to.

A handwritten signature in black ink, appearing to read 'L. Johnson', with a stylized flourish at the end.

L. Johnson
GENERAL MANAGER

Any request for further information in connection with the above should be directed to Council's Duty Planner, Monday to Friday between the hours of 8am and 12pm, by telephoning (02) 4677 1100.

NOTICE TO PURCHASERS OF RURAL LAND

Wollondilly Shire Council supports the rights of persons in rural areas of the Shire to undertake and pursue agricultural production activities that are consistent with land capability and use reasonable and practical measures to avoid environmental harm and minimise impact to adjoining land users. Intending purchasers are advised that agricultural production **can** include the following activities that may have implications for occupiers and prospective purchasers of rural land:

Use of agricultural machinery (tractors, chainsaws, motorbikes)

Use of bird-scare devices

Intensive livestock production (cattle feedlots, poultry farms, piggeries, restricted dairies)

Operation of rural industries (packing sheds, abattoirs, stock and sale yards, sawmills)

Vegetation clearing

Grazing of livestock

Crop and fodder production

Soil cultivation

Crop harvesting

Use of firearms

Bushfire hazard reduction burning

Construction of firebreaks

Earthworks (construction of dams, drains, contour banks, access roads and tracks)

Fencing

Pumping and irrigation

Use of pesticides and herbicides

Spreading of manure, compost and treated effluent

Fertiliser usage

Slashing and mowing of grass

Production of silage

Re-vegetation activities (planting trees and shrubs)

Agroforestry

Livestock droving on roads

This is not an exhaustive list and intending purchasers of rural land should assess surrounding agricultural land uses and the impact these activities may have when being pursued in close proximity their proposed purchase. If you think these types of activities will affect your ability to live in a rural locality then intending purchasers are advised to reconsider their purchase and seek independent advice.

This notice is not intended to affect the rights of individuals to take action under the common law or legislation and is provided for information purposes only.



Frank McKay Building 62-64 Menangle Street Picton NSW 2571 DX: 26052 Picton
All Correspondence to PO Box 21 Picton NSW 2571
Telephone: 02 4677 1100 Fax: 02 4677 2339
Email: council@wollondilly.nsw.gov.au Web: www.wollondilly.nsw.gov.au
ABN: 93 723 245 808

RURAL LIVING

**PLANNING CERTIFICATE UNDER SECTION
149(2) & (5)
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

APPLICANT: Morris Hayes and Edgar
DX 420
SYDNEY

Planning Certificate No.: 20141498
Receipt No.: 566493
Issue Date: 2 September 2014
Applicant's Reference: P40229 - MO/Wilton - 1010 Pic
Property No.: 11426

DESCRIPTION OF PROPERTY

Address: 1010 Wilton Road WILTON 2571
Land Description: Lot: 26 DP: 253157

Notes:

The following prescribed matters may apply to the land to which this certificate relates.

Where this certificate refers to a specific allotment (or allotments) within a strata plan, the certificate is issued for the whole of the land within the strata plan, not just the specific allotment(s) referred to, and any information contained in the certificate may relate to the whole, or any part, of the strata plan.

The following information is provided pursuant to Section 149(2) of the Environmental Planning and Assessment Act 1979 as prescribed by Schedule 4 of the Environmental Planning and Assessment Regulation 2000 and is applicable as at the date of this certificate.

Information provided in this certificate should be interpreted in conjunction with the relevant plans, policies and documents held at Council. In order to obtain copies of these documents you may purchase them from Council's Administration Centre at 62-64 Menangle Street, Picton or view free of charge on Council's Website www.wollondilly.nsw.gov.au.

1. NAMES OF RELEVANT PLANNING INSTRUMENTS AND DCPS

- (1) The name of each environmental planning instrument that applies to the carrying out of development on the land.
- (2) The name of each proposed environmental planning instrument that will apply to the carrying out of development on the land and that is or has been the subject of community consultation or on public exhibition under the Act (unless the Director-General has notified the council that the making of the proposed instrument has been deferred indefinitely or has not been approved).
- (3) The name of each development control plan that applies to the carrying out of development on the land.
- (4) In this clause, proposed environmental planning instrument includes a planning proposal for a LEP or a draft environmental planning instrument.

ENVIRONMENTAL PLANNING INSTRUMENTS

Wollondilly Local Environmental Plan 2011.

Sydney Regional Environmental Plan No 20 - Hawkesbury-Nepean River (No 2 - 1997)

Sydney Regional Environmental Plan No 9 Extractive Industries (No 2 - 1995)

State Environmental Planning Policy (Building Sustainability Index: BASIX) 2004

State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004

State Environmental Planning Policy No 21 - Caravan Parks

State Environmental Planning Policy No 30 - Intensive Agriculture

State Environmental Planning Policy No 33 - Hazardous and Offensive Development

State Environmental Planning Policy No 44 - Koala Habitat Protection
(Note: Excludes land dedicated or reserved as National Park)

State Environmental Planning Policy No 50 - Canal Estate Development

State Environmental Planning Policy No 55 - Remediation of Land

State Environmental Planning Policy No 64 - Advertising and Signage

State Environmental Planning Policy No 65 - Design Quality of Residential Flat Development

State Environmental Planning Policy (Major Development) 2005

State Environmental Planning Policy (Miscellaneous Consent Provisions) 2007

State Environmental Planning Policy (Infrastructure) 2007

State Environmental Planning Policy (Exempt and Complying Development Codes) 2008

State Environmental Planning Policy No 62 - Sustainable Aquaculture

State Environmental Planning Policy (Affordable Rental Housing) 2009

State Environmental Planning Policy (State and Regional Development) 2011

State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007

PROPOSED ENVIRONMENTAL PLANNING INSTRUMENTS

Draft State Environmental Planning Policy (Competition) 2010

DEVELOPMENT CONTROL PLANS

Wollondilly Development Control Plan 2011

2. ZONING AND LAND USE UNDER RELEVANT LEPS

For each environmental planning instrument or proposed instrument referred to in clause 1 (other than a SEPP or proposed SEPP) that includes the land in any zone (however described):

WOLLONDILLY LOCAL ENVIRONMENTAL PLAN 2011

- (a) the identity of the zone, whether by reference to a name (such as "Residential Zone" or "Heritage Area") or by reference to a number (such as "Zone No 2 (a)"),

Zone RU2 Rural Landscape

- (b) the purposes for which the instrument provides that development may be carried out within the zone without the need for development consent:

Extensive agriculture; Home occupations and development listed in Schedule 2 of Wollondilly Local Environmental Plan 2011 provided it meets the criteria in that schedule

- (c) the purposes for which the instrument provides that development may not be carried out within the zone except with development consent,

Agriculture; Airports; Animal boarding or training establishments; Bed and breakfast accommodation; Boat building and repair facilities; Boat sheds; Cellar door premises; Cemeteries; Community facilities; Crematoria; Depots; Dwelling houses; Educational establishments; Environmental facilities; Environmental protection works; Extractive industries; Farm buildings; Farm stay accommodation; Flood mitigation works; Forestry; Freight transport facilities; Funeral homes; Group homes; Home-based child care; Home businesses; Home industries; Home occupations (sex services); Hospitals; Information and education facilities; Landscaping material supplies; Mortuaries; Places of public worship; Plant nurseries; Recreation areas; Recreation facilities (indoor); Recreation facilities (outdoor); Research stations; Roads; Roadside stalls; Rural industries; Rural supplies; Rural workers' dwellings; Secondary dwellings; Signage; Transport depots; Veterinary hospitals; Water recreation structures; Water supply systems

- (d) the purposes for which the instrument provides that development is prohibited within the zone,

Stock and sale yards; Turf farming; Any other development not specified in item (b) or (c)

- (e) whether any development standards applying to the land fix minimum land dimensions for the erection of a dwelling house on the land and, if so, the minimum land dimensions so fixed,

A dwelling house cannot be erected on any lot created under clause 4.2 of Wollondilly Local Environmental Plan 2011. That is, a dwelling house cannot be erected on lots less than the minimum allotment size for subdivision which have only been created for the purpose of primary production.

Reference must be made to clause 4.2 of Wollondilly Local Environmental Plan 2011 and the Lot Size Map for further information.

Wollondilly Local Environmental Plan 2011 Clause 4.2A and the Minimum Lot Size Map sets the minimum land dimensions for the erection of a dwelling house on this land as follows:

Development consent for the purposes of the erection of a dwelling house may only be granted if no dwelling house has been erected on the land (unless the application is to replace the existing dwelling-house) and;

- (a) the lot is at least the minimum lot size specified for that land by the Lot Size Map being 16 hectares; or
- (b) the lot was created before this Plan commenced and on which a dwelling house was permissible immediately before that commencement; or
- (c) the lot resulted from a subdivision for which development consent (or equivalent) was granted before this Plan commenced and on which the erection of a dwelling house would have been permissible if the plan of subdivision has been registered before that commencement.

Reference must be made to Clause 4.2A of Wollondilly Local Environmental Plan 2011 and the Lot Size Map for further information.

- (f) whether the land includes or comprises critical habitat,

None known

- (g) whether the land is in a conservation area (however described),

The land is not located within a Heritage Conservation Area as provided by clause 5.10 and Schedule 5 of Wollondilly Local Environmental Plan 2011.

- (h) whether an item of environmental heritage (however described) is situated on the land.

The land does not contain an item of environmental heritage as provided by clause 5.10 and Schedule 5 of Wollondilly Local Environmental Plan 2011.

2A. ZONING AND LAND USE UNDER STATE ENVIRONMENTAL PLANNING POLICY (SYDNEY REGION GROWTH CENTRES) 2006

This clause is not applicable to the Wollondilly Local Government Area.

3. COMPLYING DEVELOPMENT

- (1) Whether or not the land is land on which complying development may be carried out under each of the codes for complying development because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18A (1) (c3) and 1.19 of *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.
- (2) If complying development may not be carried out on that land because of the provisions of clauses 1.17A (1) (c) to (e), (2), (3) and (4), 1.18A (1) (c3) and 1.19 of that Policy, the reasons why it may not be carried out under that clause.

- (3) If the council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land, a statement that a restriction applies to the land, but it may not apply to all of the land, and that council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land.

THE GENERAL HOUSING CODE

Complying development MAY be carried out on the land under the General Housing Code in State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.

THE RURAL HOUSING CODE

Complying development MAY be carried out on the land under the Rural Housing Code in State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.

THE HOUSING ALTERATIONS CODE

Complying development MAY be carried out on the land under the Housing Alterations Code in State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.

THE GENERAL DEVELOPMENT CODE

Complying development MAY be carried out on the land under the General Development Code in State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.

THE COMMERCIAL AND INDUSTRIAL ALTERATIONS CODE

Complying development MAY be carried out on the land under the Commercial and Industrial Alterations Code in State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.

THE COMMERCIAL AND INDUSTRIAL (NEW BUILDINGS AND ALTERATIONS) CODE

Complying development MAY be carried out on the land under the Commercial and Industrial (New Buildings and Alterations) Code in State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.

THE SUBDIVISIONS CODE

Complying development MAY be carried out on the land under the Subdivisions Code in State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.

THE DEMOLITION CODE

Complying development MAY be carried out on the land under the Demolition Code in State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.

THE FIRE SAFETY CODE

Complying development MAY be carried out on the land under the Fire Safety Code in State Environmental Planning Policy (Exempt and Complying Development Codes) 2008.

4. COASTAL PROTECTION

Whether or not the land is affected by the operation of section 38 or 39 of the *Coastal Protection Act* 1979, but only to the extent that the council has been notified by the Department of Services, Technology and Administration.

No

4A. CERTAIN INFORMATION RELATING TO BEACHES AND COASTS

This clause is not applicable to the Wollondilly Local Government Area.

4B. ANNUAL CHARGES UNDER LOCAL GOVERNMENT ACT 1993 FOR COASTAL PROTECTION SERVICES THAT RELATE TO EXISTING COASTAL PROTECTION WORKS

This clause is not applicable to the Wollondilly Local Government Area.

5. MINE SUBSIDENCE

Whether or not the land is proclaimed to be a mine subsidence district within the meaning of section 15 of the *Mine Subsidence Compensation Act 1961*.

The land is within a proclaimed Mine Subsidence District under the Mine Subsidence Compensation Act 1961. The approval of the Mine Subsidence Board is required for all subdivision and building, except for certain minor structures. Surface development controls are in place to prevent damage from old, current or future mining. It is strongly recommended prospective purchasers consult with the Mine Subsidence Board regarding mine subsidence and any surface development guidelines. The Board can assist with information about mine subsidence and advise whether existing structures comply with the requirements of the Act

6. ROAD WIDENING AND ROAD REALIGNMENT

Whether or not the land is affected by any road widening or road realignment under:

- (a) Division 2 or Part 3 of the *Roads Act 1993*, or
- (b) Any environmental planning instrument, or
- (c) Any resolution of the council.

No

7. COUNCIL AND OTHER PUBLIC AUTHORITY POLICIES ON HAZARD RISK RESTRICTIONS

Whether or not the land is affected by a policy:

- (a) Adopted by the council, or
- (b) Adopted by any other public authority and notified to the council for the express purpose of its adoption by that authority being referred to in planning certificates issued by the council,

that restricts the development of the land because of the likelihood of land slip, bushfire, tidal inundation, subsidence, acid sulphate soils or any other risk (other than flooding).

No

7A. FLOOD RELATED DEVELOPMENT CONTROLS INFORMATION

- (1) Whether or not development on that land or part of the land for the purposes of dwelling houses, dual occupancies, multi dwelling housing or residential flat buildings (not including development for the purposes of group homes or seniors housing) is subject to flood related development controls.

No

- (2) Whether or not development on that land or part of the land for any other purpose is subject to flood related development controls.

No

- (3) Words and expressions in this clause have the same meanings as in the standard instrument set out in the Schedule to the Standard Instrument (Local Environmental Plans) Order 2006.
-

8. LAND RESERVED FOR ACQUISITION

Whether or not any environmental planning instrument or proposed environmental planning instrument referred to in clause 1 makes provision in relation to the acquisition of the land by a public authority, as referred to in section 27 of the Act.

Wollondilly Local Environmental Plan 2011 does not provide for the acquisition of the subject land by a public authority as referred to in section 27 of the Act.

9. CONTRIBUTIONS PLANS

The name of each contributions plan applying to the land.

Wollondilly Development Contribution Plan 2011 applies to the land.

9A. BIODIVERSITY CERTIFIED LAND

If the land is biodiversity certified land (within the meaning of Part 7AA of the *Threatened Species Conservation Act 1995*), a statement to that effect.

The land is not biodiversity certified land (within the meaning of Part 7AA of the *Threatened Species Conservation Act 1995*).

10. BIOBANKING AGREEMENTS

If the land is land to which a biobanking agreement under Part 7A of the *Threatened Species Conservation Act 1995* relates, a statement to that effect (but only if the council has been notified of the existence of the agreement by the Director-General of the Department of Environment, Climate Change and Water).

Council has not been notified by the Director-General of the Department of Environment, Climate Change and Water of any biobanking agreement approved under the *Threatened Species Conservation Act 1995* for this land.

11. BUSH FIRE PRONE LAND

If any of the land is bush fire prone land (as defined in the Act), a statement that all or as the case may be, some of the land is bush fire prone land.

If none of the land is bush fire prone land, a statement to that effect.

The land is partially bush fire prone land as shown in Council's records. Further details of any applicable restrictions on development of the land may be obtained on application to Council.

12. PROPERTY VEGETATION PLANS

Whether or not the land is land to which a property vegetation plan under the *Native Vegetation Act 2003* applies, a statement to that effect (but only if the council has been notified of the existence of the plan by the person or body that approved the plan under the Act).

Council has not been notified of any such plan that affects this land.

13. ORDER UNDER TREES (DISPUTES BETWEEN NEIGHBOURS) ACT 2006

Whether an order has been made under the *Trees (Disputes between Neighbours) Act 2006* to carry out work in relation to a tree on the land (but only if the council has been notified of the order).

No

14. DIRECTIONS UNDER PART 3A

If there is a direction by the Minister in force under section 75P (2) (c1) of the Act that a provision of an environmental planning instrument prohibiting or restricting the carrying out of a project or a stage of a project on the land under Part 4 of the Act does not have effect, a statement to that effect identifying the provision that does not have effect.

No

15. SITE COMPATIBILITY CERTIFICATES AND CONDITIONS FOR SENIORS HOUSING

If the land is land to which *State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004* applies:

- (a) a statement of whether there is a current site compatibility certificate (seniors housing), of which the council is aware, in respect of proposed development on the land and, if there is a certificate, the statement is to include:
 - (i) the period for which the certificate is current, and
 - (ii) that a copy may be obtained from the head office of the Department of Planning, and

There is not a current site compatibility certificate (seniors housing) as described that applies to this land.

- (b) a statement setting out any terms of a kind referred to in clause 18 (2) of that Policy that have been imposed as a condition of consent to a development application granted after 11 October 2007 in respect of the land.

There are currently no conditions of consent relating to a development application for seniors housing that apply to the land.

16. SITE COMPATIBILITY CERTIFICATES FOR INFRASTRUCTURE

A statement of whether there is a valid site compatibility certificate (infrastructure), of which the Council is aware, in respect of proposed development on the land and, if there is a certificate, that statement is to include:

- (a) the period for which the certificate is valid, and
- (b) that a copy may be obtained from the head office of the Department of Planning.

There is not a valid site compatibility certificate (infrastructure) as described that applies to this land.

17. SITE COMPATIBILITY CERTIFICATES AND CONDITIONS FOR AFFORDABLE RENTAL HOUSING

- (1) A statement of whether there is a current site compatibility certificate (affordable rental housing), of which the Council is aware, in respect of proposed development on the land and, if there is a certificate, that statement is to include:

- (a) the period for which the certificate is current, and
 - (b) that a copy may be obtained from the head office of the Department of Planning

There is not a current site compatibility certificate (affordable rental housing) as described that applies to this land.

- (2) A statement setting out any terms of a kind referred to in clause 17 (1) or 37 (1) of *State Environmental Planning Policy (Affordable Rental Housing) 2009* that have been imposed as a condition of consent to a development application in respect of the land.

There are currently no conditions of consent relating to a development application for affordable rental housing that apply to the land.

18. PAPER SUBDIVISION INFORMATION

- (1) The name of any development plan adopted by a relevant authority that applies to the land or that is proposed to be subject to a consent ballot.

None

- (2) The date of any subdivision order that applies to the land.

None

- (3) Words and expressions used in this clause have the same meaning as they have in Part 16C of this Regulation.
-

19. SITE VERIFICATION CERTIFICATES

A statement of whether there is a current site verification certificate, of which the council is aware, in respect of the land and, if there is a certificate, the statement is to include:

- (a) the matter certified by the certificate, and

NOTE. A site verification certificate sets out the Director-General's opinion as to whether the land concerned is or is not biophysical strategic agricultural land or critical industry cluster land – see Division 3 of Part 4AA of *State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007*.

- (b) the date on which the certificate ceases to be current (if any), and
- (c) that a copy may be obtained from the head office of the Department of Planning and Infrastructure

There is no current *Site Verification Certificate* as described that applies to this land.

NOTE. The following matters are prescribed by section 59(2) of the *Contaminated Land Management Act 1997* as additional matters to be specified in a planning certificate:

- (a) that the land to which the certificate relates is significantly contaminated land within the meaning of that Act – if the land (or part of the land) is significantly contaminated land at the date when the certificate is issued,

No.

- (b) that the land to which the certificate relates is subject to a management order within the meaning of that Act – if it is subject to such an order at the date when the certificate is issued,

No.

- (c) that the land to which the certificate relates is the subject of an approved voluntary management proposal within the meaning of that Act – if it is the subject of such an approved proposal at the date when the certificate is issued,

No.

- (d) that the land to which the certificate relates is subject to an ongoing maintenance order within the meaning of that Act – if it is subject to such an order at the date when the certificate is issued,

No.

- (e) that the land to which the certificate relates is the subject of a site audit statement within the meaning of that Act – if a copy of such a statement has been provided at any time to the local authority issuing the certificate.

No.

NOTE. Section 26 of the *Nation Building and Jobs Plan (State Infrastructure Delivery) Act 2009* provides that a planning certificate must include advice about any exemption under section 23 or authorisation under section 24 of that Act if the council is provided with a copy of the exemption or authorisation by the Co-ordinator General under that Act.

Council has not been provided any advice about any exemption under section 23 or authorisation under section 24 of the *Nation Building and Jobs Plan (State Infrastructure Delivery) Act 2009* which affects this land.

THE FOLLOWING ADDITIONAL INFORMATION IS PROVIDED UNDER:

SECTION 149(5) OF THE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT 1979

For the purposes of Section 149(5), the following information is provided in relation to the subject property:

1. The subject land is not affected by a Foreshore Building Line.
 2. Any enquiries relating to whether or not the land has frontage to a classified road or a controlled access road should be referred directly to the RTA on 02 4221 2495.
 3. **SECOND SYDNEY AIRPORT PROPOSAL**

In November 1996 the Commonwealth Government released details of five airport options being considered for the development of a second major airport for Sydney at either Badgerys Creek or the Holsworthy Military Area. In September 1997, the Government abandoned the Holsworthy option and announced that the Draft Environmental Impact Statement would concentrate on Badgerys Creek. The Government also released the Draft Environmental Impact Statement Summary, which gives an indication of the impact of the proposal on the local environment. Information on the proposal and the Summary of the Draft Environmental Impact Statement can be obtained from the Federal Department of Transport.
 4. Other Matters (if applicable)
-

In respect of matters beyond the control and/or responsibility of Council, information provided is provided only to the extent that Council has been so notified by the relevant Authorities or Departments, which have responsibility for the administration of the particular status referred to.

A handwritten signature in black ink, appearing to read 'L. Johnson', with a stylized flourish at the end.

L Johnson
GENERAL MANAGER

Any request for further information in connection with the above should be directed to Council's Duty Planner, Monday to Friday between the hours of 8am and 12pm, by telephoning (02) 4677 1100.

NOTICE TO PURCHASERS OF RURAL LAND

Wollondilly Shire Council supports the rights of persons in rural areas of the Shire to undertake and pursue agricultural production activities that are consistent with land capability and use reasonable and practical measures to avoid environmental harm and minimise impact to adjoining land users. Intending purchasers are advised that agricultural production **can** include the following activities that may have implications for occupiers and prospective purchasers of rural land:

Use of agricultural machinery (tractors, chainsaws, motorbikes)

Use of bird-scare devices

Intensive livestock production (cattle feedlots, poultry farms, piggeries, restricted dairies)

Operation of rural industries (packing sheds, abattoirs, stock and sale yards, sawmills)

Vegetation clearing

Grazing of livestock

Crop and fodder production

Soil cultivation

Crop harvesting

Use of firearms

Bushfire hazard reduction burning

Construction of firebreaks

Earthworks (construction of dams, drains, contour banks, access roads and tracks)

Fencing

Pumping and irrigation

Use of pesticides and herbicides

Spreading of manure, compost and treated effluent

Fertiliser usage

Slashing and mowing of grass

Production of silage

Re-vegetation activities (planting trees and shrubs)

Agroforestry

Livestock droving on roads

This is not an exhaustive list and intending purchasers of rural land should assess surrounding agricultural land uses and the impact these activities may have when being pursued in close proximity their proposed purchase. If you think these types of activities will affect your ability to live in a rural locality then intending purchasers are advised to reconsider their purchase and seek independent advice.

This notice is not intended to affect the rights of individuals to take action under the common law or legislation and is provided for information purposes only.

PAEC Identification & Walkover Log

Client: Walker Corporation
Project: Wilton Junction
Location: Lowes Creek & Maryland Precincts
Project Number: 73467.03
Date: 27.01.17
Logged: EMG

Location:

| | | | |
|------------------|-------|------------------------|------------|
| Property: | Site. | GPS Coordinates | |
| Grid Ref: | | Easting: | 286,836 |
| PAEC #: | 1 | Northing: | 6,208,756. |

Identified from:

Site Walkover ☐ Interviews ☐ Other (list below):
 Title Deed info. ☐ Aerial Photography ☒ Historical reports ☐
 Geotechnical ☐ Year: _____ ☐
 Council Records ☐

Details:

POSSIBLE FORMER HOUSE IDENTIFIED IN 1955 AERIAL PHOTOGRAPH

Follow up:

FURTHER STUDY OF HISTORICAL AERIAL + SITE WALKOVER

Walkover Details:

| | | | |
|----------------------|---------|---------------|------|
| W/over completed by: | 27/1/17 | Photographed: | YES. |
| Date completed: | EMG | | |
| Walkover Method: | ON FOOT | | |

Observations:

1955 AERIAL LIKELY MISALIGNED + FORMER HOUSE IS OFFSITE. FURTHERMORE, NO EVIDENCE OBSERVED DURING WALKOVER. STEEL BUILT natural conditions.

Footprint next to

Reasoning:

FOOTPRINT LIKELY OFFSITE.

Classified as an AEC ?

Yes
 No ☒

PAEC Identification & Walkover Log

Client: Walker Corporation
Project: Wilton Junction
Location: Lowes Creek & Maryland Precincts

Project Number: 73467.03
Date: 27.01.17
Logged: EMG

Location:

| | | | |
|------------------|----|------------------------|------------|
| Property: | | GPS Coordinates | |
| Grid Ref: | | Easting: | 287,070 |
| PAEC #: | 2. | Northing: | 6,208,764. |

Identified from:

Site Walkover ☐ Interviews ☐ Other (list below):
 Title Deed info. ☐ Aerial Photography ☒ Historical reports ☐
 Geotechnical ☐ Year: ☐
 Council Records ☐

Details:

STRUCTURE VISIBLE IN NE PART OF SITE ON
1961 HISTORICAL AERIAL

Follow up:

SITE INSPECTION

Walkover Details:

| | | | |
|----------------------|-----------|---------------|-----|
| W/over completed by: | 27/1/17 J | Photographed: | YES |
| Date completed: | EMG | | |
| Walkover Method: | ON FOOT | | |

Observations:

APPEARS TO BE A FORMER HOMESTEAD MADE
OF BRICK + STONE. NO SUSPECTED
HAZARDOUS BUILDING MATERIALS OBSERVED.

Reasoning:

NO SUSPECTED HAZARDOUS MATERIAL
OBSERVED.

Classified as an AEC ?

Yes
 No ☒

PAEC Identification & Walkover Log

Client: Walker Corporation
Project: Wilton Junction
Location: Lowes Creek & Maryland Precincts

Project Number: 73467.03
Date: 27.01.17
Logged: EMG

Location:

| | | | |
|------------------|----|------------------------|----------------|
| Property: | | GPS Coordinates | |
| Grid Ref: | | Easting: | various. |
| PAEC #: | 3. | Northing: | see site plan. |

Identified from:

Site Walkover ☒ Interviews ☐ Other (list below):
 Title Deed info. ☐ Aerial Photography ☒ Historical reports ☐
 Geotechnical ☐ Year: ☐
 Council Records ☐

Details:

SEVERAL DAMS CURRENTLY + HISTORICALLY PRESENT AT THE SITE. FILLING MAY BE ASSOCIATED WITH SUCH DAMS.

Follow up:

DAM WALLS INSPECTED DURING WALKOVER.

Walkover Details:

| | | | |
|----------------------|---------|---------------|-----|
| W/over completed by: | EMG | Photographed: | YES |
| Date completed: | 27/1/17 | | |
| Walkover Method: | ON FOOT | | |

Observations:

FILLING APPEARS TO BE REWORKED NATURAL - LIKELY Sourced FROM EXCAVATION OF THE DAM ITSELF. NO SUSPECTED ANTHROPOGENIC MATERIAL VISIBLE IN DAM WALLS.

Reasoning:

NO SUSPECTED ANTHROPOGENIC MATERIAL OBSERVED.

Classified as an AEC ?

Yes

No ☒

PAEC Identification & Walkover Log

Client: Walker Corporation
Project: Wilton Junction
Location: Lowes Creek & Maryland Precincts

Project Number: 73467.03
Date: 27.01.17
Logged: EMG

Location:

| | | | |
|------------------|---|------------------------|-----------|
| Property: | | GPS Coordinates | |
| Grid Ref: | | Easting: | 787,036 |
| PAEC #: | 4 | Northing: | 6,208,794 |

Identified from:

Site Walkover ☒ Interviews ☐ Other (list below):
 Title Deed info. ☐ Aerial Photography ☐ Historical reports ☐
 Geotechnical ☐ Year: ☐
 Council Records ☐

Details:

SUSPECTED ACM ^{or hardflex} FRAGMENT OBSERVED TO THE
 REAR (SW) OF HOUSE, ON GROUND
 SURFACE.

Follow up:

AC~~CM~~ FRAGMENT SENT TO LABORATORY FOR
 CONFIRMATORY TESTING.

Walkover Details:

| | | | |
|----------------------|-----------|---------------|-----|
| W/over completed by: | 27/1/17 J | Photographed: | YES |
| Date completed: | EMG | | |
| Walkover Method: | ON FOOT | | |

Observations:

Laboratory testing ~~did not~~ confirmed no asbestos
 present.

Reasoning:

Classified as an AEC ?

Yes
 No ☒

PAEC Identification & Walkover Log

Client: Walker Corporation Project Number: 73467.03
Project: Wilton Junction Date: 27.01.17
Location: Lowes Creek & Maryland Precincts Logged: EMG

Location:

| | | | |
|-----------|---|-----------------|-----------|
| Property: | 5 | GPS Coordinates | |
| Grid Ref: | | Easting: | 287,006 |
| PAEC #: | | Northing: | 6,268,865 |

Identified from:

Site Walkover ☒ Interviews ☐ Other (list below):
Title Deed info. ☐ Aerial Photography ☐ Historical reports ☐
Geotechnical ☐ Year: ☐
Council Records ☐

Details:

POSSIBLE OIL / FUEL SPILLAGE NEXT TO ~~STEEL~~
CORRUGATED STEEL SHED. ASSOCIATED DRUM +
GAS CANISTER APPEARS TO HAVE IGNITED IN
THE PAST.

Follow up:

Walkover Details:

| | | | |
|----------------------|---------|---------------|-----|
| W/over completed by: | EMG | Photographed: | Yes |
| Date completed: | 27/1/17 | | |
| Walkover Method: | ON FOOT | | |

Observations:

DARK / BURNT STAINING ON BOTH CONTAINERS +
SURROUNDING (AREA) GROUND

Reasoning:

MAY HAVE IMPACTED
SOIL

Classified as an AEC ?

Yes ☒
No ☐

PAEC Identification & Walkover Log

Client: Walker Corporation
Project: Wilton Junction
Location: Lowes Creek & Maryland Precincts

Project Number: 73467.03
Date: 27.01.17
Logged: EMG

Location:

| | | | |
|------------------|---|------------------------|------------------|
| Property: | | GPS Coordinates | |
| Grid Ref: | | Easting: | various |
| PAEC #: | 6 | Northing: | (see site plan). |

Identified from:

Site Walkover ☒ Interviews ☐ Other (list below):
 Title Deed info. ☐ Aerial Photography ☐ Historical reports ☐
 Geotechnical ☐ Year: ☐
 Council Records ☐

Details:

EMPTY STELLITE COATINGS CONTAINERS LOCATED THROUGHOUT THE SITE INCLUDING:
 - ALONG DRAINAGE CREEK.
 - NEXT TO DAM TO NEAR (S) OF HOUSE
 - NEXT TO CORRUGATED STEEL SHEET.
 - ON FIELD SURFACE TO NEAR (S) OF HOUSE.

Follow up:

Walkover Details:

| | | | |
|----------------------|----------|---------------|-----|
| W/over completed by: | EMG | Photographed: | YES |
| Date completed: | 27/1/17 | | |
| Walkover Method: | ON FOOT. | | |

Observations:

Reasoning:

MAY HAVE IMPACTED DAM WATER + SOIL.

Classified as an AEC ?

Yes ☒
No ☐

PAEC Identification & Walkover Log

Client: Walker Corporation
Project: Wilton Junction
Location: Lowes Creek & Maryland Precincts

Project Number: 73467.03
Date: 27.01.17
Logged: EMG

Location:

| | | | |
|------------------|----|------------------------|-----------|
| Property: | | GPS Coordinates | |
| Grid Ref: | | Easting: | 281,036 |
| PAEC #: | 7. | Northing: | 6,208,783 |

Identified from:

Site Walkover ☒ Interviews ☐ Other (list below):
Title Deed info. ☐ Aerial Photography ☐ Historical reports ☐
Geotechnical ☐ Year: ☐
Council Records ☐

Details:

BRAMBLE / BUSH COVERED SUSPECTED FILLING STOCKPILE
CONTAINING CONSTRUCTION + DEMOLITION
MATERIALS.

Follow up:

/

Walkover Details:

| | | | |
|----------------------|---------|---------------|------|
| W/over completed by: | EMG | Photographed: | YES. |
| Date completed: | 27/1/17 | | |
| Walkover Method: | ON FOOT | | |

Observations:

CONSTRUCTION + DEMOLITION MATERIALS
OBSERVED

Reasoning:

IMPACT MAY BE
PRESENT

Classified as an AEC ?

Yes ☒
No ☐

PAEC Identification & Walkover Log

Client: Walker Corporation
Project: Wilton Junction
Location: Lowes Creek & Maryland Precincts

Project Number: 73467.03
Date: 27.01.17
Logged: EMG

Location:

| | | | |
|------------------|---|------------------------|------------|
| Property: | | GPS Coordinates | |
| Grid Ref: | | Easting: | 786,875 |
| PAEC #: | 8 | Northing: | 6,208,736. |

Identified from:

Site Walkover ☐ Interviews ☐ Other (list below):
 Title Deed info. ☐ Aerial Photography ☐ Historical reports ☐
 Geotechnical ☐ Year: ☐
 Council Records ☐

Details:

SUSPECTED LOCATED FILLING NEAR ~~SHED~~
 LARGE METAL SHED

Follow up:

Walkover Details:

| | | | |
|----------------------|---------|---------------|---|
| W/over completed by: | EMG | Photographed: | Y |
| Date completed: | 27/1/17 | | |
| Walkover Method: | ON FOOT | | |

Observations:

UNABLE TO INSPECT CONTENTS - COVERED IN GRASS

Reasoning:

MAY CONTAIN IMPACT

Classified as an AEC ?

Yes ☒
 No ☐

PAEC Identification & Walkover Log

Client: Walker Corporation
Project: Wilton Junction
Location: Lowes Creek & Maryland Precincts

Project Number: 73467.03
Date: 27.01.17
Logged: EMG

Location:

| | | | |
|------------------|---|------------------------|------------|
| Property: | | GPS Coordinates | |
| Grid Ref: | | Easting: | 286,947 |
| PAEC #: | 9 | Northing: | 6,208,604. |

Identified from:

☒ Site Walkover ☐ Interviews ☐ Other (list below):
☐ Title Deed info. ☐ Aerial Photography ☐ Historical reports
☐ Geotechnical ☐ Year: _____
☐ Council Records

Details:

SEVERAL FRAGMENTS OF SUSPECTED ^{on hardfleece} ACM/CN
DIRT TRACK SURFACE.

Follow up:

ONE FRAGMENT ~~SH~~ SENT TO LAB FOR
ASBESTOS TESTING

Walkover Details:

| | | | |
|----------------------|---------|---------------|---|
| W/over completed by: | EMG | Photographed: | 9 |
| Date completed: | 27/1/17 | | |
| Walkover Method: | ON FOOT | | |

Observations:

laboratory testing confirmed no asbestos in sample.

Reasoning:

Classified as an AEC ?

Yes
 No ☒



Photograph 1 – House and garden area



Photograph 2 – Drum and gas cylinder next to corrugated steel shed with charred residue.



Photograph 3 – Structures possibly from a former homestead



Photograph 4 – Empty containers of 'Stellite Coatings' visible in several areas



Photograph 5 – Possible fill containing construction and demolition material



Photograph 6 – Open container with liquid, and labelled as containing pesticides



Photograph 7 – Metal furniture and timber visible next to dam near centre of 1000 Picton Road