Epping Road widening between Essex Street and Blaxland Road, Epping

Appendix M
Targeted contamination assessment Part B

November 2015
Appendix A – Figures

Figure 1 – Site Location Plan
Figure 2 – Site Layout Plan and Sampling Locations
Appendix B – Registered Groundwater Bores
Work Requested -- GW110661

Works Details (top)

GROUNDWATER NUMBER  GW110661
LIC-NUM  10BL603238
AUTHORISED-PURPOSES  MONITORING BORE
INTENDED-PURPOSES  MONITORING BORE
WORK-TYPE  Well
WORK-STATUS
CONSTRUCTION-METHOD
OWNER-TYPE  Private
COMMENCE-DATE
COMPLETION-DATE  2009-08-20
FINAL-DEPTH (metres)  10.00
DRILLED-DEPTH (metres)  10.00
CONTRACTOR-NAME
DRILLER-NAME
PROPERTY  PETER HAIG
GWMA  -
GW-ZONE  -
STANDING-WATER-LEVEL
SALINITY
YIELD

Site Details (top)

REGION  10 - SYDNEY SOUTH COAST
RIVER-BASIN
AREA-DISTRICT
CMA-MAP
GRID-ZONE
SCALE
ELEVATION
ELEVATION-SOURCE
NORTHING  6261168.00
EASTING  322183.00
LATITUDE  33 46' 29"
LONGITUDE  151 4' 47"
GS-MAP

Form-A

COUNTY: CUMBERLAND
PARISH: FIELD OF MARS
PORTION-LOT-DP: 1/224056

Licensed

COUNTY: CUMBERLAND
PARISH: FIELD OF MARS
PORTION-LOT-DP: 1/224056

Construction

Negative depths indicate Above Ground Level; H-Hole; P-Pipe; OD-Outside Diameter; ID-Inside Diameter; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity

<table>
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Water Bearing Zones

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Drillers Log

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<td>3.00</td>
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</tr>
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</table>
Warning To Clients: This raw data has been supplied to the Department of Infrastructure, Planning and Natural Resources (DIPNR) by drillers, licensees and other sources. The DIPNR does not verify the accuracy of this data. The data is presented for use by you at your own risk. You should consider verifying this data before relying on it. Professional hydrogeological advice should be sought in interpreting and using this data.
Groundwater Works Summary

For information on the meaning of fields please see Glossary

Document Generated on Thursday, July 17, 2014

Work Requested -- GW110662

Works Details (top)

GROUNDWATER NUMBER  GW110662
LIC-NUM  10BL603238
AUTHORISED-PURPOSES  MONITORING BORE
INTENDED-PURPOSES  MONITORING BORE
WORK-TYPE  Well
WORK-STATUS  
CONSTRUCTION-METHOD  Other
OWNER-TYPE  Private
COMMENCE-DATE  2009-08-20
COMPLETION-DATE  2009-08-20
FINAL-DEPTH (metres)  10.00
DRILLED-DEPTH (metres)  10.00
CONTRACTOR-NAME  
DRILLER-NAME  
PROPERTY  PETER HAIG
GWMA  -
GW-ZONE  -
STANDING-WATER-LEVEL  
SALINITY  
YIELD  

Site Details (top)

REGION  10 - SYDNEY SOUTH COAST
RIVER-BASIN  
AREA-DISTRICT  
CMA-MAP  
GRID-ZONE  
SCALE  
ELEVATION  
ELEVATION-SOURCE  
NORTHING  6261171.00
EASTING  322195.00
LATITUDE  33 46' 29"
LONGITUDE  151 4' 47"
GS-MAP  

**Form-A**

COUNTY: CUMBERLAND  
PARISH: FIELD OF MARS  
PORTION-LOT-DP: 1/224056

**Licensed**

COUNTY: CUMBERLAND  
PARISH: FIELD OF MARS  
PORTION-LOT-DP: 1 224056

**Construction**

Negative depths indicate Above Ground Level; H-Hole; P-Pipe; OD-Outside Diameter; ID-Inside Diameter; C-Cemented; SL-Slot Length; A-Aperture; GS-Grain Size; Q-Quantity

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**Water Bearing Zones**

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**Drillers Log**

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</table>
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Groundwater Works Summary

For information on the meaning of fields please see Glossary

Document Generated on Thursday, July 17, 2014

Work Requested -- GW110663

Works Details (top)

GROUNDWATER NUMBER  GW110663
LIC-NUM  10BL603238
AUTHORISED-PURPOSES  MONITORING BORE
INTENDED-PURPOSES  MONITORING BORE
WORK-TYPE  Well
WORK-STATUS
CONSTRUCTION-METHOD  Other
OWNER-TYPE  Private
COMMENCE-DATE
COMPLETION-DATE  2009-08-20
FINAL-DEPTH (metres)  10.00
DRILLED-DEPTH (metres)  10.00
CONTRACTOR-NAME
DRILLER-NAME
PROPERTY  PETER HAIG
GWMA
GW-ZONE
STANDING-WATER-LEVEL
SALINITY
YIELD

Site Details (top)

REGION  10 - SYDNEY SOUTH COAST
RIVER-BASIN
AREA-DISTRICT
CMA-MAP
GRID-ZONE
SCALE
ELEVATION
ELEVATION-SOURCE
NORTHING  6261151.00
EASTING  322203.00
LATITUDE  33 46' 29"
LONGITUDE  151 4' 48"
GS-MAP

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**Water Bearing Zones**

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**Drillers Log**

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Groundwater Works Summary

For information on the meaning of fields please see Glossary

Work Requested -- GW112765

Works Details (top)

GROUNDWATER NUMBER  GW112765
LIC-NUM            10BL602526
AUTHORISED-PURPOSES  MONITORING BORE
INTENDED-PURPOSES   MONITORING BORE
WORK-TYPE          Bore
WORK-STATUS
CONSTRUCTION-METHOD
OWNER-TYPE          Private
COMMENCE-DATE
COMPLETION-DATE    2008-05-28
FINAL-DEPTH (metres)  3.00
DRILLED-DEPTH (metres)
CONTRACTOR-NAME
DRILLER-NAME
PROPERTY            MOBIL OIL AUSTRALIA LTD
GWMA                -
GW-ZONE             -
STANDING-WATER-LEVEL 1.00
SALINITY
YIELD

Site Details (top)

REGION            10 - SYDNEY SOUTH COAST
RIVER-BASIN
AREA-DISTRICT
CMA-MAP
GRID-ZONE
SCALE
ELEVATION
ELEVATION-SOURCE
NORTHING          6261632.00
EASTING            322279.00
LATITUDE         33 46' 14"
LONGITUDE        151 4' 51"
GS-MAP


17/07/2014
Form-A

COUNTY CUMBERLAND
PARISH FIELD OF MARS
PORTION-LOT-DP 1/328586

Licensed

COUNTY CUMBERLAND
PARISH FIELD OF MARS
PORTION-LOT-DP 1 1035227

Water Bearing Zones

no details

Drillers Log

no details

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Groundwater Works Summary

For information on the meaning of fields please see Glossary

Document Generated on Thursday, July 17, 2014

Work Requested -- GW112766

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AMG-ZONE 56
COORD-SOURCE
REMARK

Form-A
COUNTY CUMBERLAND
PARISH FIELD OF MARS
PORTION-LOT-DP 1//1035227

Licensed
COUNTY CUMBERLAND
PARISH FIELD OF MARS
PORTION-LOT-DP 1 1035227

Water Bearing Zones
no details

Drillers Log
no details

Warning To Clients: This raw data has been supplied to the Department of Infrastructure, Planning and Natural Resources (DIPNR) by drillers, licensees and other sources. The DIPNR does not verify the accuracy of this data. The data is presented for use by you at your own risk. You should consider verifying this data before relying on it. Professional hydrogeological advice should be sought in interpreting and using this data.
Groundwater Works Summary

For information on the meaning of fields please see Glossary

Work Requested -- GW112767

Works Details (top)

GROUNDWATER NUMBER  GW112767
LIC-NUM  10BL602526
AUTHORISED-PURPOSES  MONITORING BORE
INTENDED-PURPOSES  MONITORING BORE
WORK-TYPE  Bore
WORK-STATUS
CONSTRUCTION-METHOD
OWNER-TYPE  Private
COMMENCE-DATE
COMPLETION-DATE  2013-08-28
FINAL-DEPTH (metres)  4.00
DRILLED-DEPTH (metres)
CONTRACTOR-NAME
DRILLER-NAME
PROPERTY  MOBIL OIL AUSTRALIA LTD
GWMA
GW-ZONE
STANDING-WATER-LEVEL
SALINITY
YIELD

Site Details (top)

REGION  10 - SYDNEY SOUTH COAST
RIVER-BASIN
AREA-DISTRICT
CMA-MAP
GRID-ZONE
SCALE
ELEVATION
ELEVATION-SOURCE
NORTHING  6261587.00
EASTING  322279.00
LATITUDE  33 46' 15"
LONGITUDE  151 4' 51"
GS-MAP

AMG-ZONE 56
COORD-SOURCE
REMARK

Form-A (top)

COUNTY CUMBERLAND
PARISH FIELD OF MARS
PORTION-LOT-DP 1/1035227

Licensed (top)

COUNTY CUMBERLAND
PARISH FIELD OF MARS
PORTION-LOT-DP 1 1035227

Water Bearing Zones (top)

no details

Drillers Log (top)

no details

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Groundwater Works Summary

For information on the meaning of fields please see Glossary

Document Generated on Thursday, July 17, 2014

Work Requested -- GW112768

Works Details (top)

GROUNDWATER NUMBER  GW112768
LIC-NUM  10BL602526
AUTHORISED-PURPOSES  MONITORING BORE
INTENDED-PURPOSES  MONITORING BORE
WORK-TYPE  Bore
WORK-STATUS
CONSTRUCTION-METHOD
OWNER-TYPE  Private
COMMENCE-DATE  2008-05-28
COMPLETION-DATE  2008-05-28
FINAL-DEPTH (metres)  4.00
DRILLED-DEPTH (metres)
CONTRACTOR-NAME
DRILLER-NAME
PROPERTY  MOBIL OIL AUSTRALIA LTD
GWMA  -
GW-ZONE  -
STANDING-WATER-LEVEL  2.00
SALINITY
YIELD

Site Details (top)

REGION  10 - SYDNEY SOUTH COAST
RIVER-BASIN
AREA-DISTRICT
CMA-MAP
GRID-ZONE
SCALE
ELEVATION
ELEVATION-SOURCE
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EASTING  322249.00
LATITUDE  33 46' 16"
LONGITUDE  151 4' 50"
GS-MAP
Form-A

COUNTY       CUMBERLAND
PARISH       FIELD OF MARS
PORTION-LOT-DP 1//1035227

Licensed

COUNTY       CUMBERLAND
PARISH       FIELD OF MARS
PORTION-LOT-DP 1 1035227

Water Bearing Zones

no details

Drillers Log

no details

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# Groundwater Works Summary

For information on the meaning of fields please see [Glossary](#).

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Form-A

COUNTY: CUMBERLAND
PARISH: FIELD OF MARS
PORTION-LOT-DP: 19//3105

Licensed

COUNTY: CUMBERLAND
PARISH: FIELD OF MARS
PORTION-LOT-DP: 1 1035227

Water Bearing Zones

no details

Drillers Log

no details

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# Groundwater Works Summary

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## Work Requested -- GW112770

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**Site Details**

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Form-A

COUNTY CUMBERLAND
PARISH FIELD OF MARS
PORTION-LOT-DP 19//3105

Licensed

COUNTY CUMBERLAND
PARISH FIELD OF MARS
PORTION-LOT-DP 11035227

Water Bearing Zones

no details

Drillers Log

no details

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Groundwater Works Summary

For information on the meaning of fields please see Glossary

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Works Details (top)

WORK REQUESTED -- GW112771

WORKS DETAILS

GROUNDWATER NUMBER  GW112771
LIC- NUM  10BL602526
AUTHORISED-PURPOSES  MONITORING BORE
INTENDED-PURPOSES  MONITORING BORE
WORK-TYPE  Bore
WORK- STATUS
CONSTRUCTION-METHOD
OWNER-TYPE  Private
COMMENCE- DATE
COMPLETION- DATE  2008-05-28
FINAL- DEPTH (metres)  4.00
DRILLED- DEPTH (metres)
CONTRACTOR- NAME
DRILLER- NAME
PROPERTY  MOBIL OIL AUSTRALIA LTD
GWMA  -
GW-ZONE  -
STANDING- WATER- LEVEL  2.50
SALINITY
YIELD

SITE DETAILS (top)

REGION  10 - SYDNEY SOUTH COAST
RIVER- BASIN
AREA- DISTRICT
CMA- MAP
GRID- ZONE
SCALE
ELEVATION
ELEVATION- SOURCE
NORTHING  6261602.00
EASTING  322231.00
LATITUDE  33 46' 15"
LONGITUDE  151 4' 49"
GS- MAP
Form-A  

COUNTY  CUMBERLAND  
PARISH  FIELD OF MARS  
PORTION-LOT-DP  19//3105  

Licensed  

COUNTY  CUMBERLAND  
PARISH  FIELD OF MARS  
PORTION-LOT-DP  1 1035227  

Water Bearing Zones  
no details  

Drillers Log  
no details  

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Groundwater Works Summary

For information on the meaning of fields please see Glossary

Document Generated on Thursday, July 17, 2014

Work Requested -- GW112772

Works Details

GROUNDWATER NUMBER  GW112772
LIC- NUM  10BL602526
AUTHORISED-PURPOSES  MONITORING BORE
INTENDED-PURPOSES  MONITORING BORE
WORK-TYPE  Bore
WORK-STATUS
CONSTRUCTION-METHOD
OWNER-TYPE  Private
COMMENCE-DATE
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FINAL-DEPTH (metres)  4.00
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CONTRACTOR-NAME
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PROPERTY  MOBIL OIL AUSTRALIA LTD
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STANDING-WATER-LEVEL  2.50
SALINITY
YIELD

Site Details

REGION  10 - SYDNEY SOUTH COAST
RIVER-BASIN
AREA-DISTRICT
CMA-MAP
GRID-ZONE
SCALE
ELEVATION
ELEVATION-SOURCE
NORTHING  6261615.00
EASTING  322229.00
LATITUDE  33 46' 14"
LONGITUDE  151 4' 49"
GS-MAP

17/07/2014
Form-A

COUNTY  CUMBERLAND
PARISH  FIELD OF MARS
PORTION-LOT-DP  19//3105

Licensed

COUNTY  CUMBERLAND
PARISH  FIELD OF MARS
PORTION-LOT-DP  1 1035227

Water Bearing Zones

no details

Drillers Log

no details

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### Work Requested -- GW112773

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**Water Bearing Zones**

no details

**Drillers Log**

no details

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