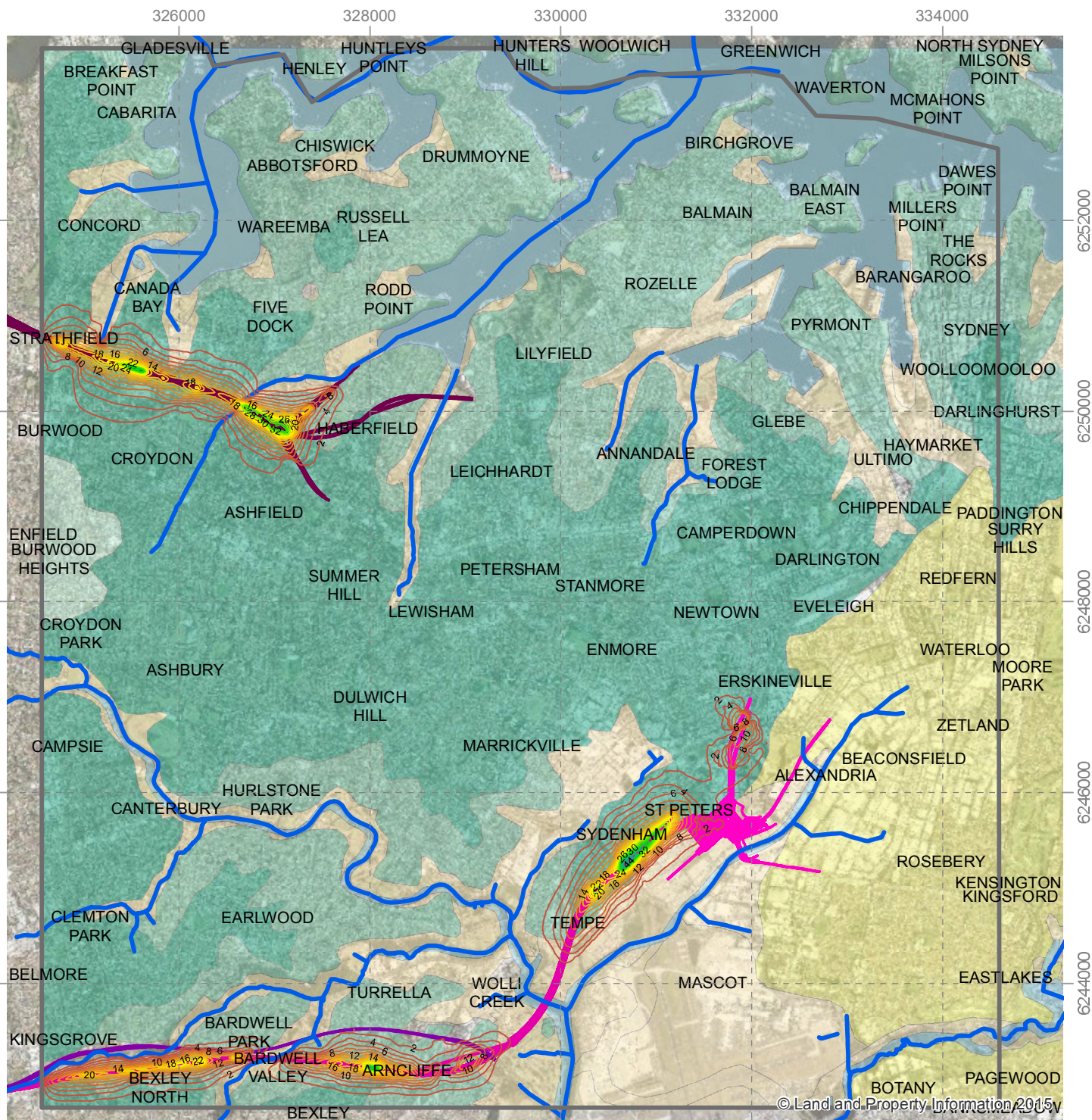




ANNEXURE D – DRAWDOWN DUE TO M4 EAST AND NEW M5 (NO M4-M5 LINK)



Drawdown (m)

2 - 4	21 - 22	39 - 40	Model Boundary
5 - 6	23 - 24	41 - 42	River/Creek/Channel
7 - 8	25 - 26	43 - 44	M5_East
9 - 10	27 - 28	45 - 46	WCX New M5
11 - 12	29 - 30	47 - 48	WCX M4 East
13 - 14	31 - 32	49 - 50	
15 - 16	33 - 34	51 - 52	
17 - 18	35 - 36	53 - 54	
19 - 20	37 - 38	55 - 56	

Outcrop Geology

Alluvium
Botany Sands
Bringelly Shale
Ashfield Shale
Hawkesbury Sandstone
Water

Scale: 60,000 @A4
GDA 1994 MGA Zone 56

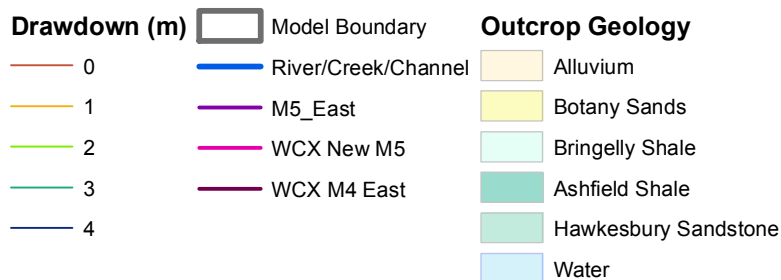
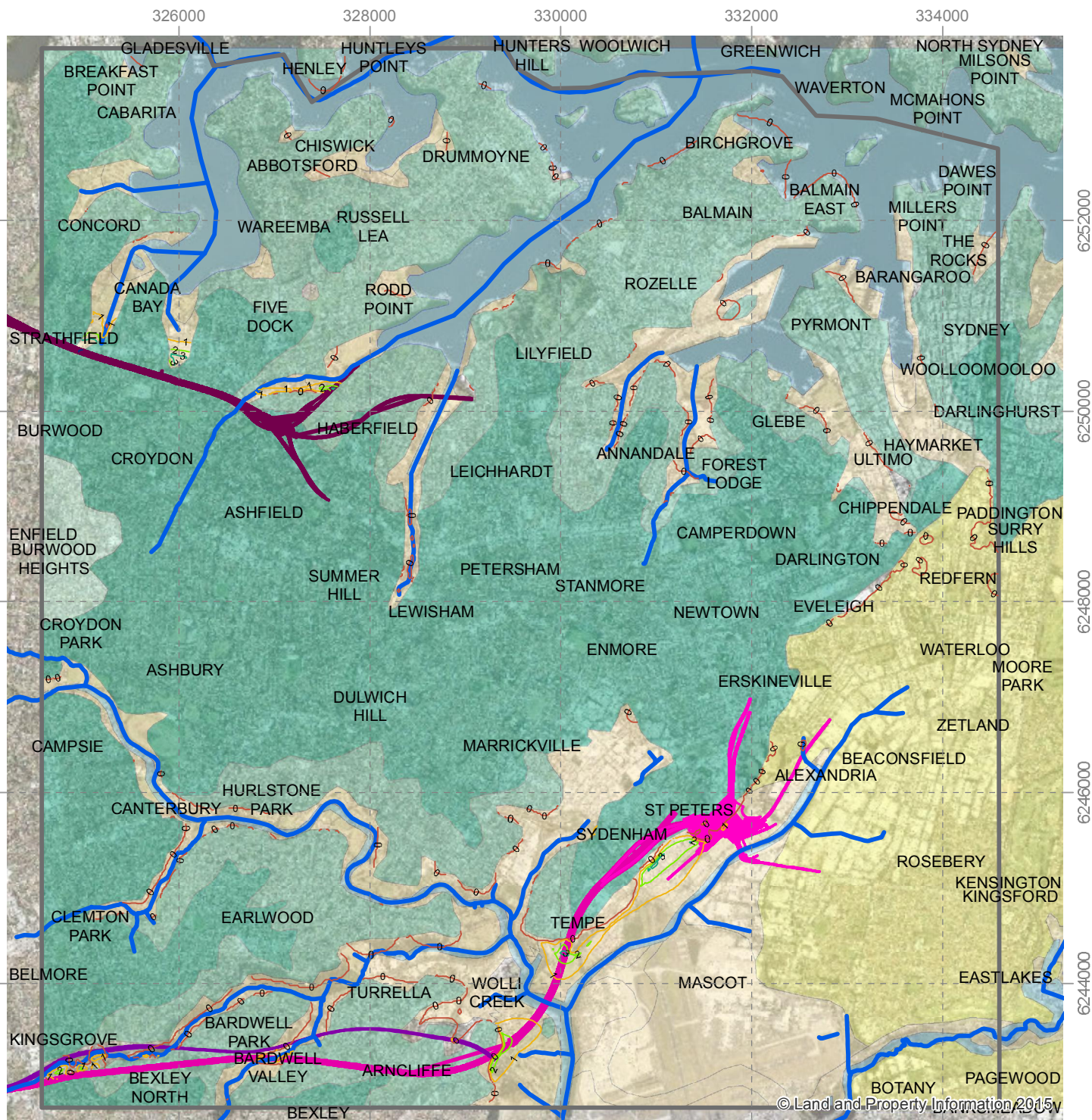


0 0.5 1 2 3 km

WestConnex M4-M5 Link

M4 East and New M5 Cumulative Drawdown
at Project Opening (2023)

Water Table
[Model Run TR020]



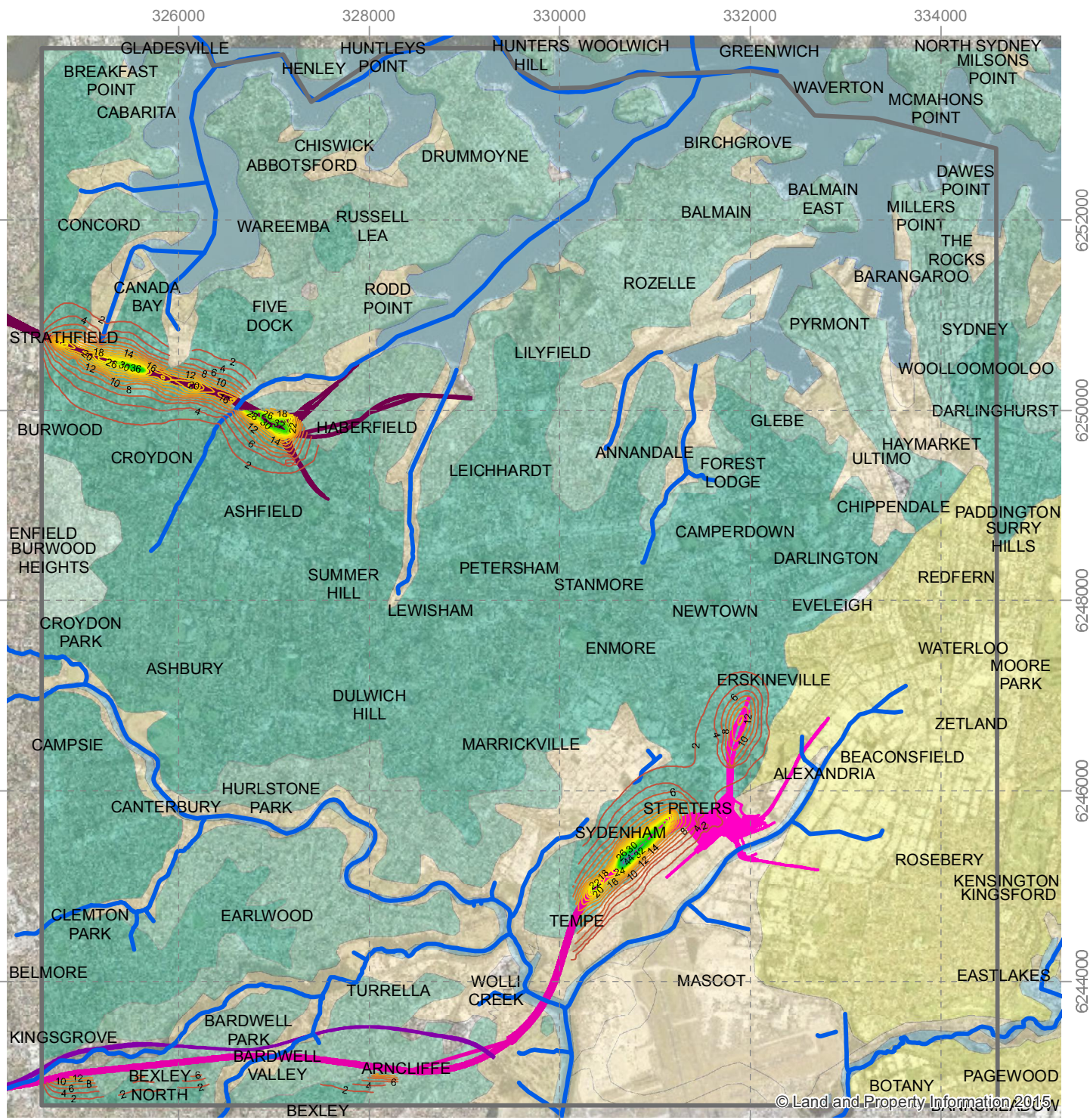
Scale: 60,000 @A4
GDA 1994 MGA Zone 56



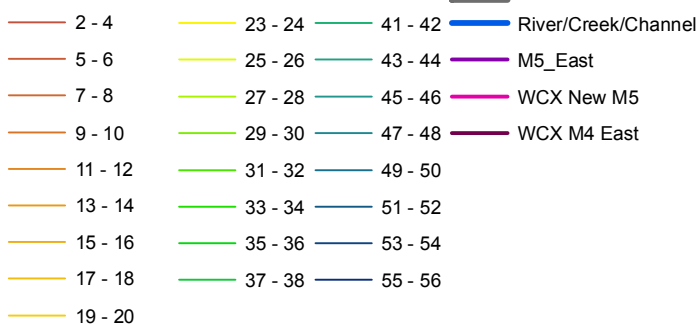
0 0.5 1 2 3 km

WestConnex M4-M5 Link

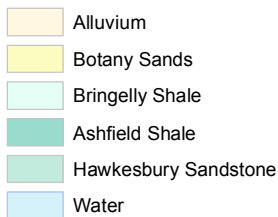
M4 East and New M5
Unconsolidated Sediment Cumulative Drawdown
at Project Opening (2023)
Alluvium and Botany Sands - L1
[Model Run TR020]



Drawdown (m)



Outcrop Geology



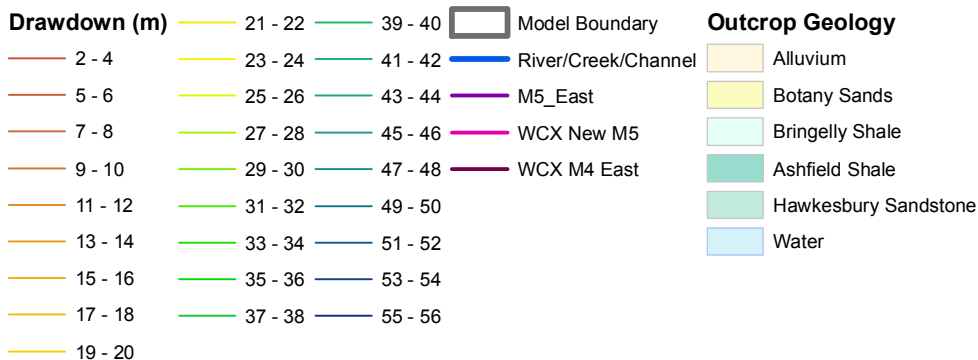
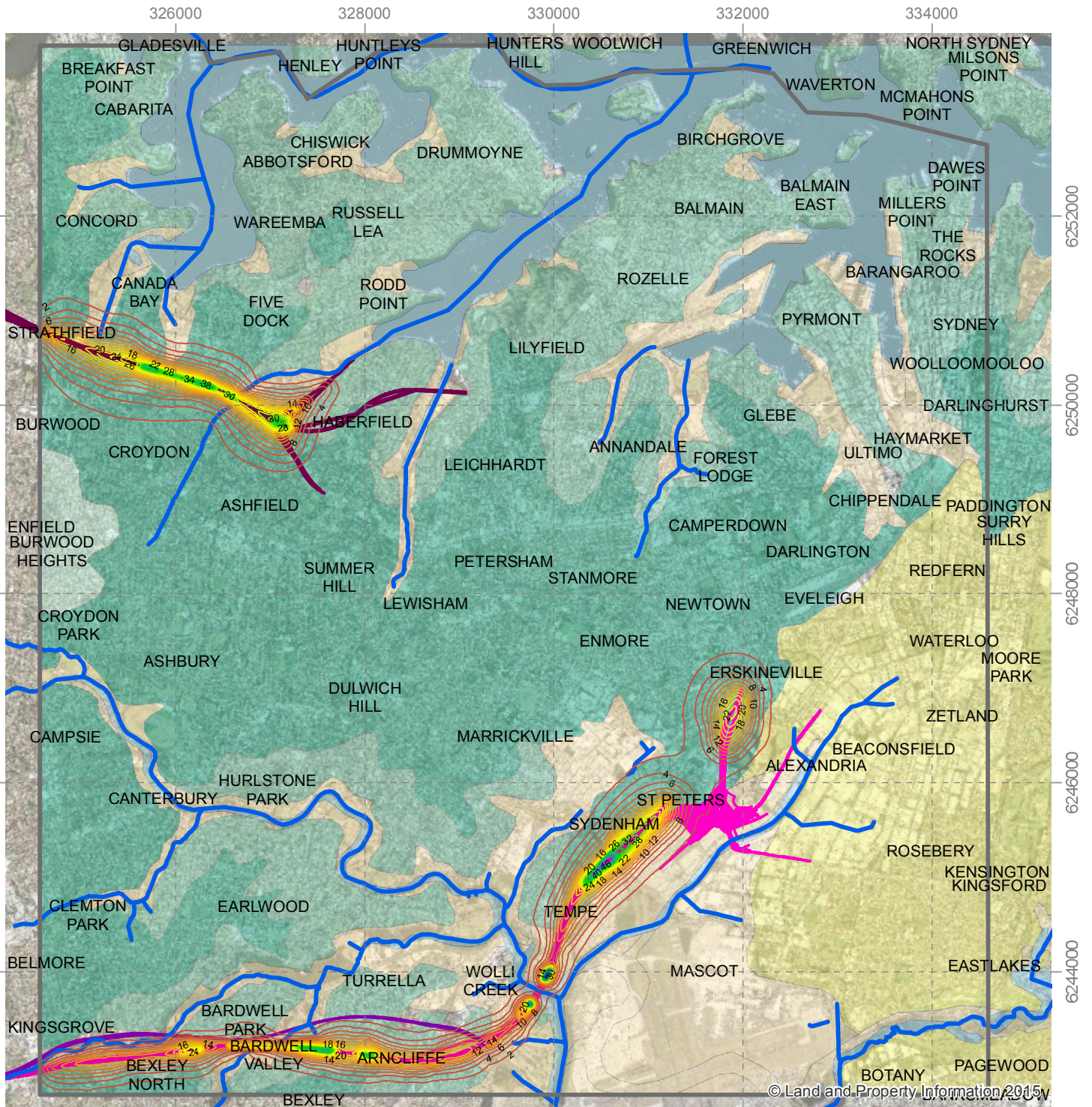
Scale: 60,000 @A4
GDA 1994 MGA Zone 56



0 0.5 1 2 3 km

WestConnex M4-M5 Link

M4 East and New M5 Cumulative Drawdown
at Project Opening (2023)
Ashfield Shale - L3
[Model Run TR020]



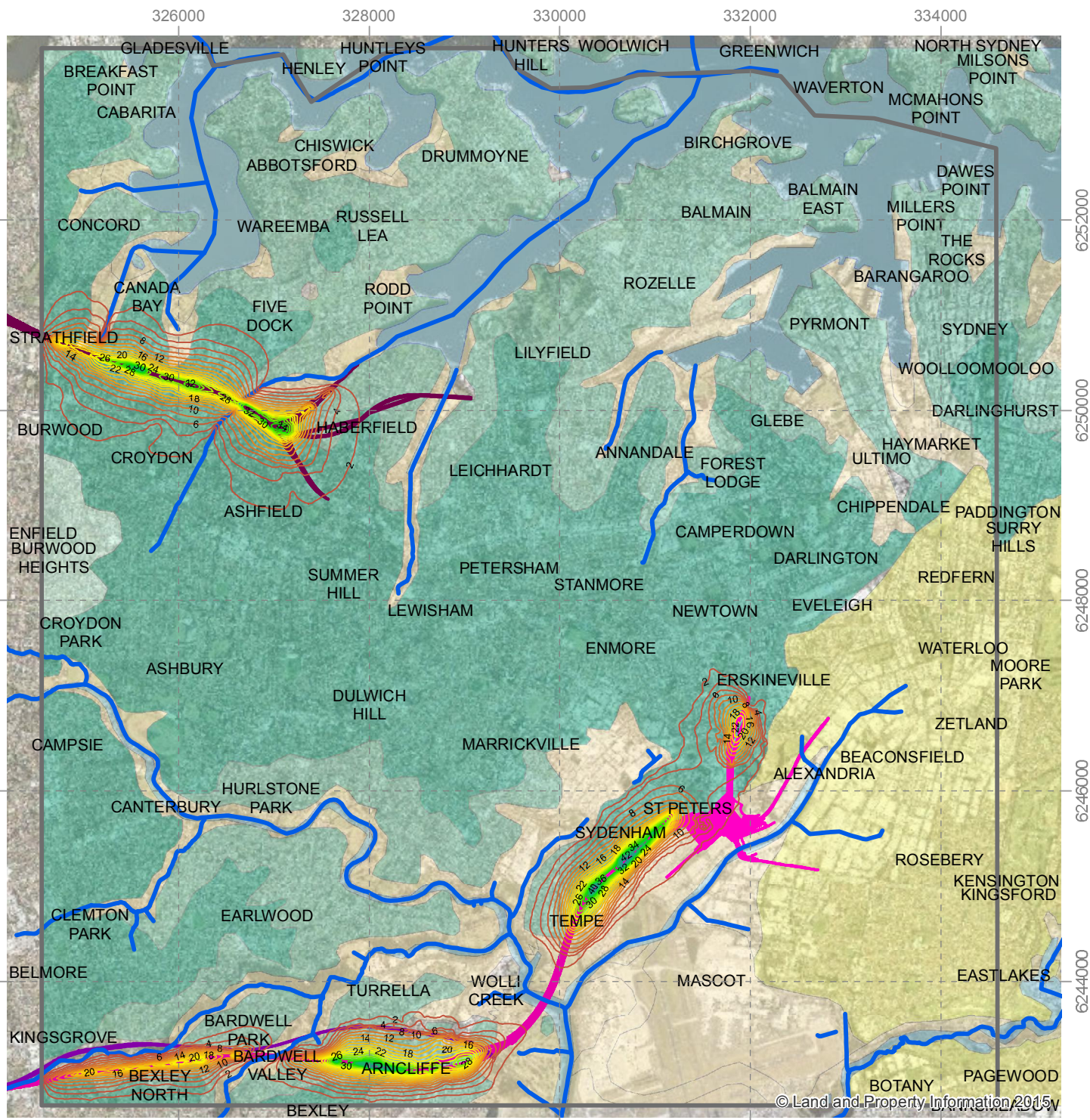
Scale: 60,000 @A4
GDA 1994 MGA Zone 56



0 0.5 1 2 3 km

WestConnex M4-M5 Link

M4 East and New M5 Cumulative Drawdown
at Project Opening (2023)
Hawkesbury Sandstone - L6
[Model Run TR020]



Drawdown (m)

- 2 - 4
- 5 - 6
- 7 - 8
- 9 - 10
- 11 - 12
- 13 - 14
- 15 - 16
- 17 - 18
- 19 - 20
- 21 - 22
- 23 - 24
- 25 - 26
- 27 - 28
- 29 - 30
- 31 - 32
- 33 - 34
- 35 - 36
- 37 - 38
- 39 - 40
- 41 - 42
- 43 - 44
- 45 - 46
- 47 - 48
- 49 - 50
- 51 - 52
- 53 - 54
- 55 - 56

Model Boundary

River/Creek/Channel

M5_East

WCX New M5

WCX M4 East

Outcrop Geology

- Alluvium
- Botany Sands
- Bringelly Shale
- Ashfield Shale
- Hawkesbury Sandstone
- Water

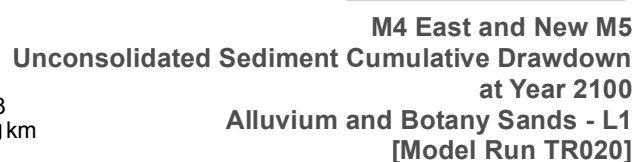
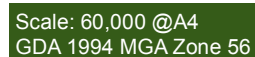
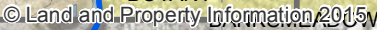
Scale: 60,000 @A4
GDA 1994 MGA Zone 56

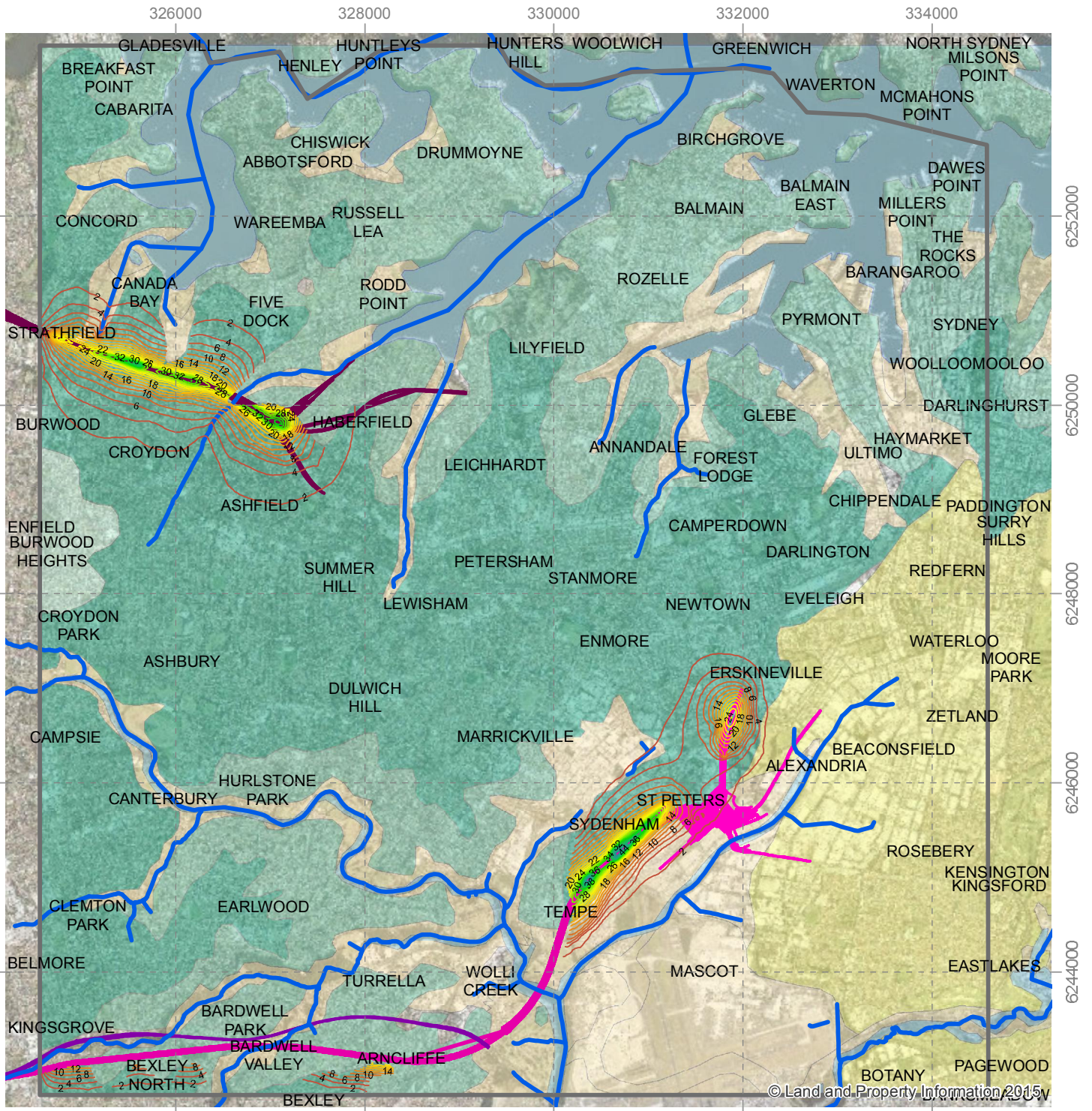


0 0.5 1 2 3 km

WestConnex M4-M5 Link

M4 East and New M5 Cumulative Drawdown
at Year 2100
Water Table
[Model Run TR020]





Drawdown (m)

2 - 4	21 - 22	39 - 40	Model Boundary
5 - 6	23 - 24	41 - 42	River/Creek/Channel
7 - 8	25 - 26	43 - 44	M5_East
9 - 10	27 - 28	45 - 46	WCX New M5
11 - 12	29 - 30	47 - 48	WCX M4 East
13 - 14	31 - 32	49 - 50	
15 - 16	33 - 34	51 - 52	
17 - 18	35 - 36	53 - 54	
19 - 20	37 - 38	55 - 56	

Outcrop Geology

Alluvium
Botany Sands
Bringelly Shale
Ashfield Shale
Hawkesbury Sandstone
Water

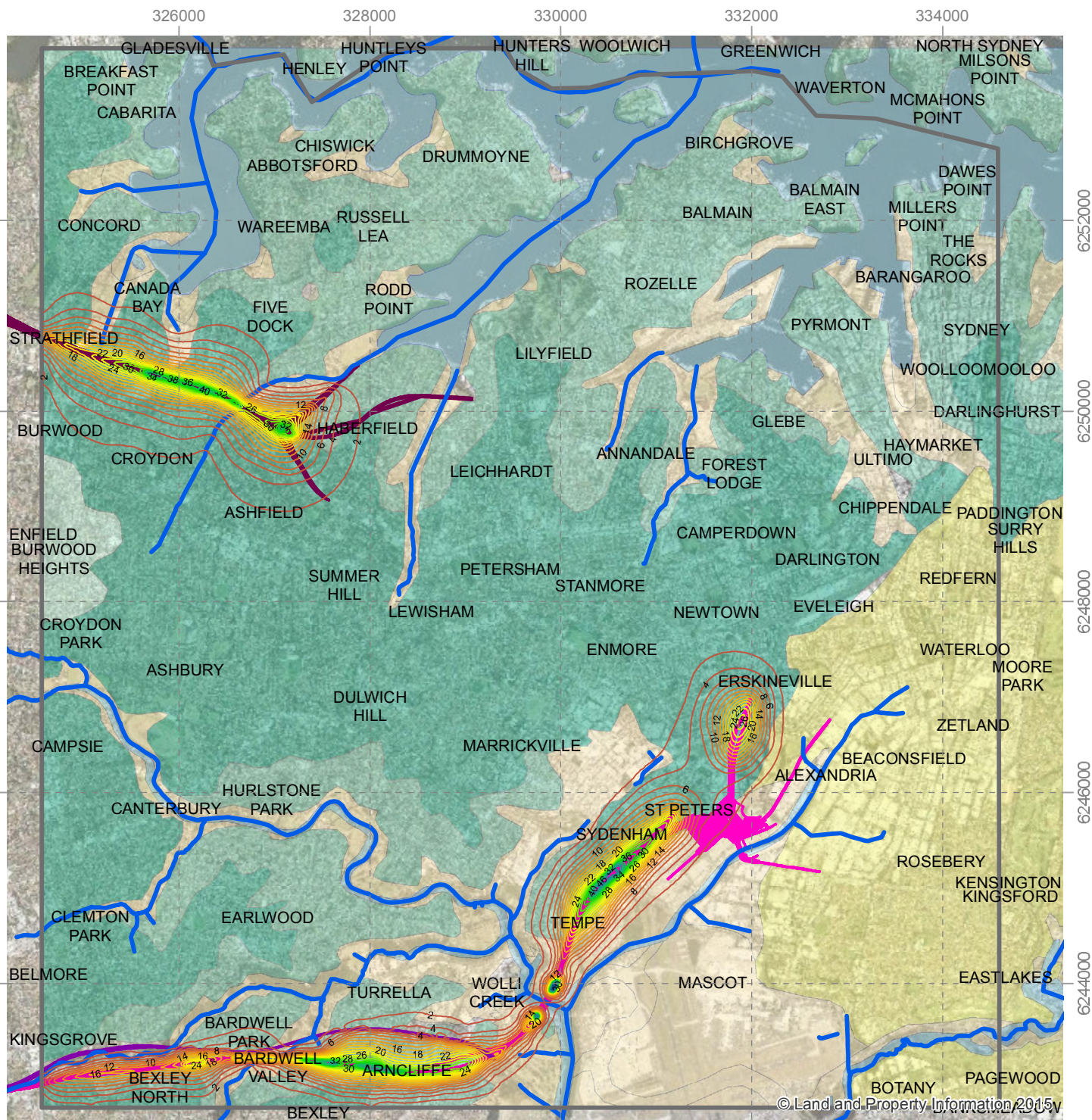
Scale: 60,000 @A4
GDA 1994 MGA Zone 56



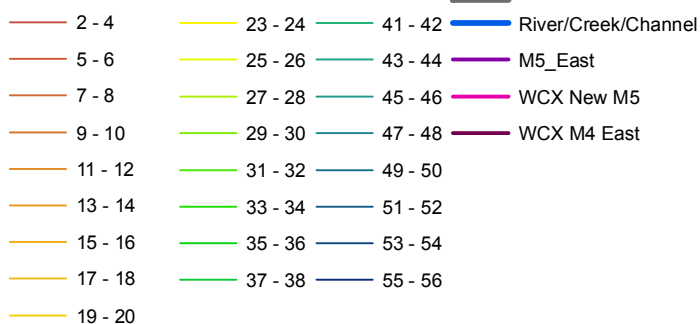
0 0.5 1 2 3 km

WestConnex M4-M5 Link

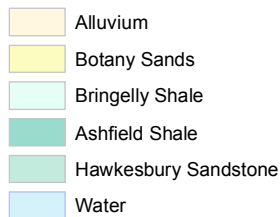
M4 East and New M5 Cumulative Drawdown
at Year 2100
Ashfield Shale - L3
[Model Run TR020]



Drawdown (m)



Outcrop Geology



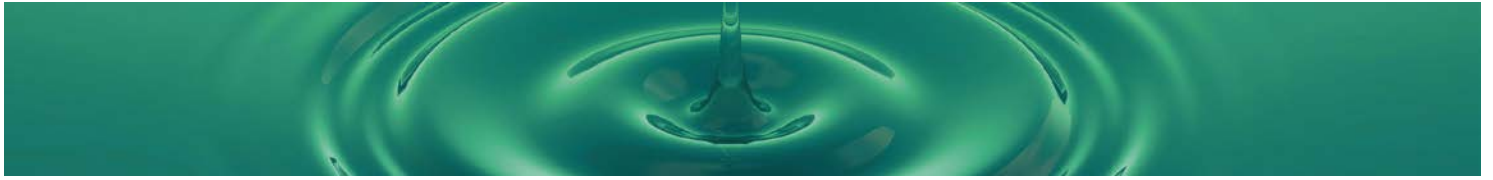
Scale: 60,000 @A4
GDA 1994 MGA Zone 56



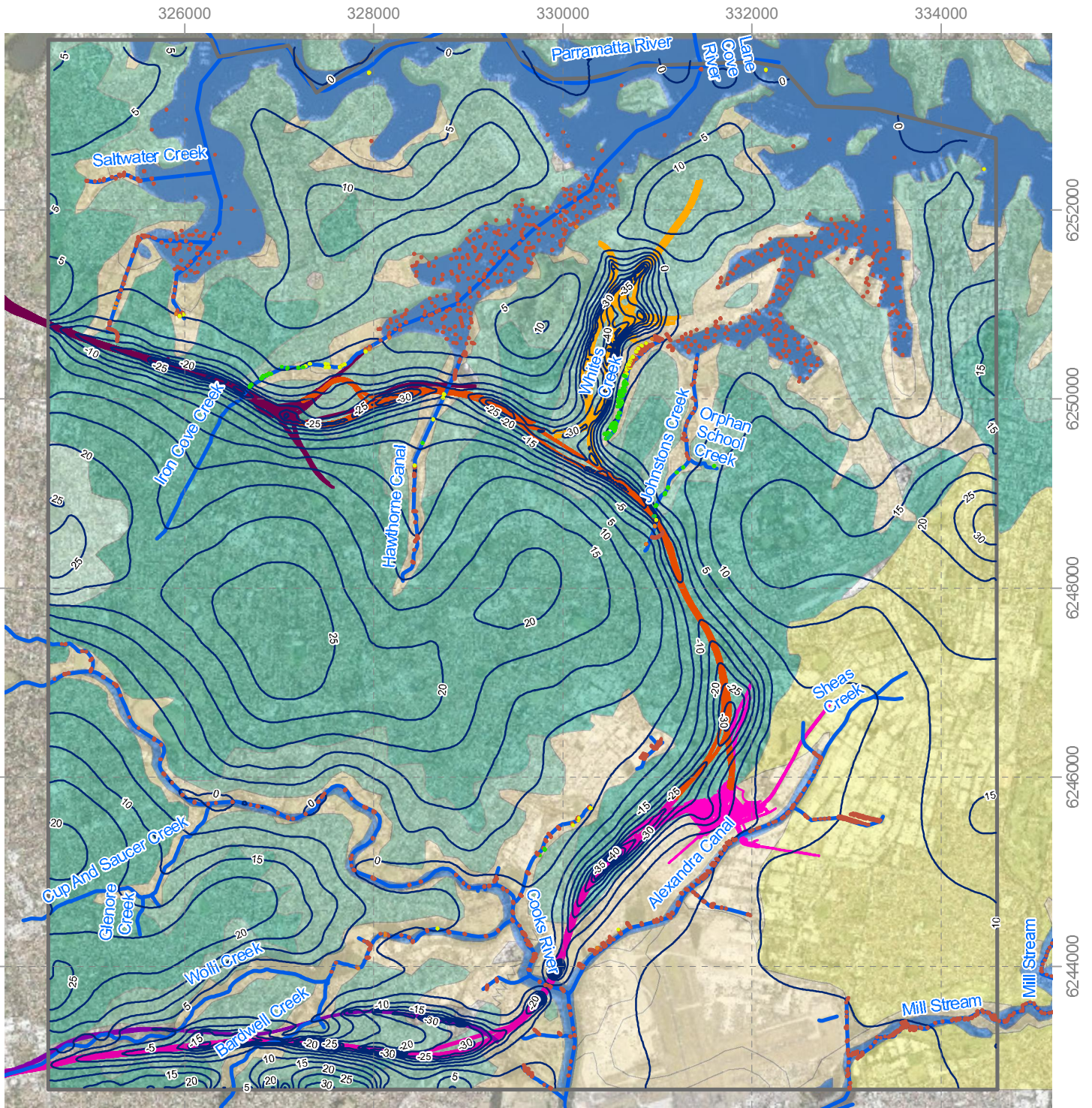
0 0.5 1 2 3 km

WestConnex M4-M5 Link

M4 East and New M5 Cumulative Drawdown
at Year 2100
Hawkesbury Sandstone - L6
[Model Run TR020]



ANNEXURE E – FORWARD PARTICLE TRACKING FROM TIDAL WATER COURSES AT 2, 5, 10, 50, 100 AND 1000 YEARS



Layer

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

— Simulated Groundwater Elevation (mAHD)

Model Boundary

- River/Creek/Channel
- Rozelle_Interchange
- M4M5_Mainline
- M5_East
- WCX New M5
- WCX M4 East

Outcrop Geology

- Alluvium
- Botany Sands
- Bringelly Shale
- Ashfield Shale
- Hawkesbury Sandstone
- Water

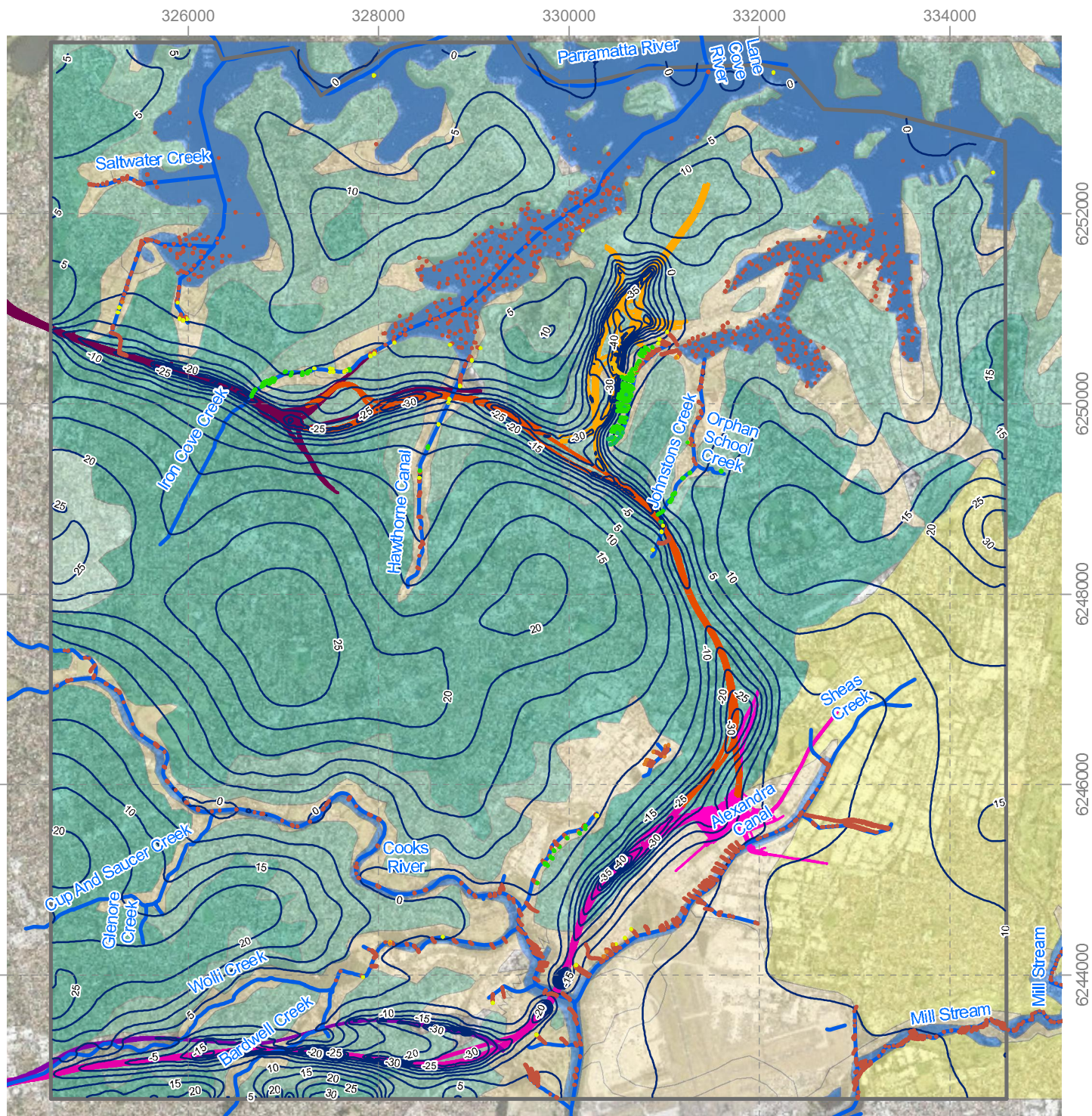
Scale: 60,000 @A4
GDA 1994 MGA Zone 56



0 0.5 1 2 3 km

WestConnex M4-M5 Link

Forward Tracking from Tidal Areas
Particle Layer
Travel Time <2yrs



Layer

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

— Simulated Groundwater Elevation (mAHD)

Model Boundary

- River/Creek/Channel
- Rozelle_Interchange
- M4M5_Mainline
- M5_East
- WCX New M5
- WCX M4 East

Outcrop Geology

- Alluvium
- Botany Sands
- Bringelly Shale
- Ashfield Shale
- Hawkesbury Sandstone
- Water

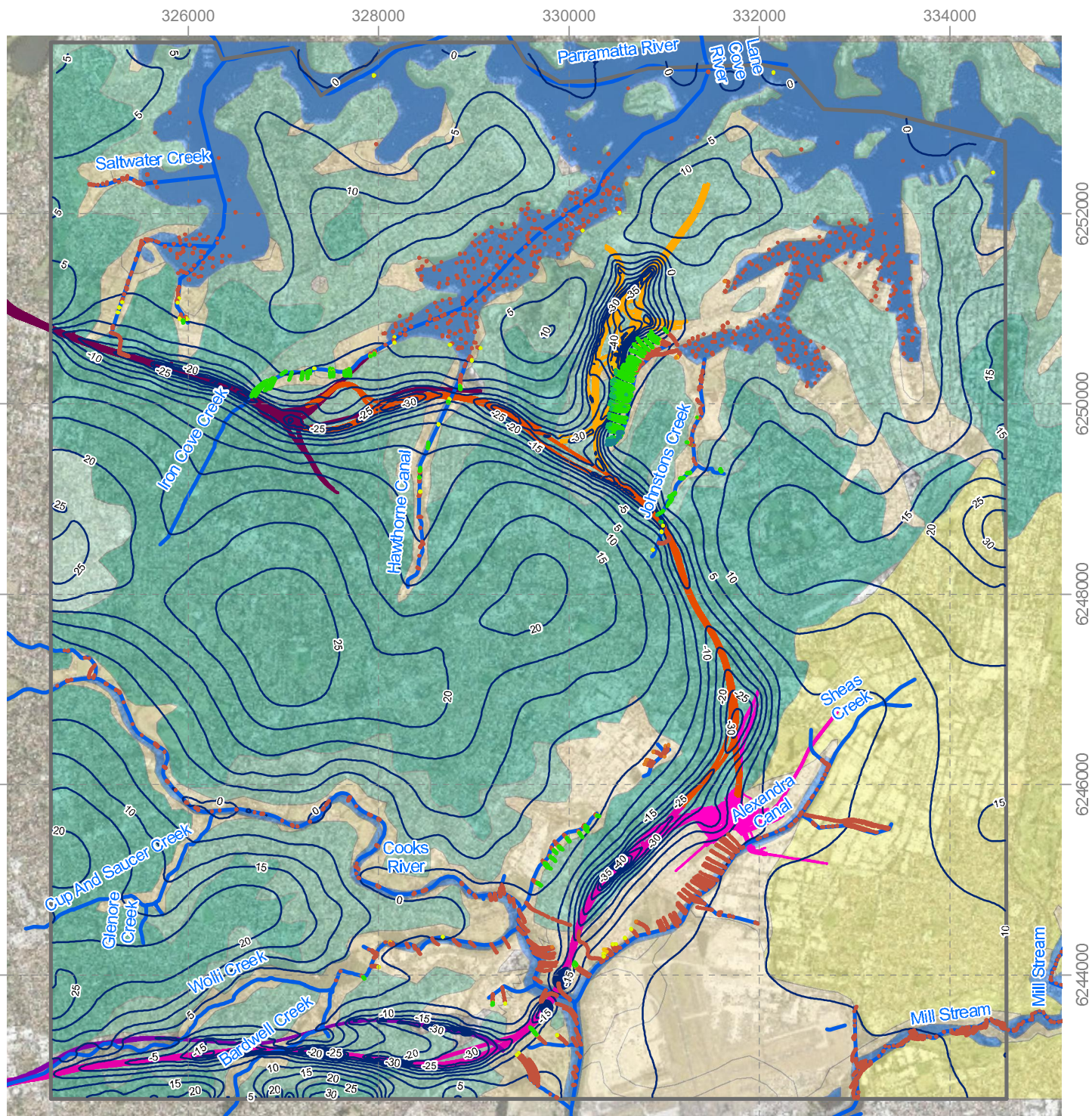
Scale: 60,000 @A4
GDA 1994 MGA Zone 56



0 0.5 1 2 3 km

WestConnex M4-M5 Link

Forward Tracking from Tidal Areas
Particle Layer
Travel Time <5yrs



Layer

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

— Simulated Groundwater Elevation (mAH)

Model Boundary

- River/Creek/Channel
- Rozelle Interchange
- M4M5 Mainline
- M5 East
- WCX New M5
- WCX M4 East

Outcrop Geology

- Alluvium
- Botany Sands
- Bringelly Shale
- Ashfield Shale
- Hawkesbury Sandstone
- Water

Scale: 60,000 @A4
GDA 1994 MGA Zone 56



0 0.5 1 2 3 km

WestConnex M4-M5 Link

Forward Tracking from Tidal Areas
Particle Layer
Travel Time <10yrs