



## **APPENDIX J**

Field Data Sheets

# GROUNDWATER SAMPLING FIELD DATA

WELL ID:

BH1

Purged on 07/09/2014

## PROJECT INFORMATION

PROJECT NAME: Stage 1 and 2 ESA PROJECT NUMBER: E14002RED  
LOCATION / SITE: 175-177 Cleveland St, Redfern NSW CLIENT: Krikor Simonian

## WELL DETAILS

WELL DIAMETER (mm): 50mm WELL SCREEN INTERVAL (m): 3.2 – 7.2m CASING STICK UP (+) / DOWN (-) m: No  
CONDITION Damage: YES ☒ NO Well Locked: YES ☒ NO Water Around Well: YES ☒ NO  
(Comments Below): Well ID Visible: YES ☒ NO Cap on PVC: YES ☒ NO Water Between PVC and Gatic/ Monument: YES ☒ NO

## WELL MEASUREMENTS

STATIC WATER LEVEL (SWL): 4.21m m BTOC or m BGL or m BTOM  
FREE PRODUCT: Yes or No Thickness (m):  
TOTAL DEPTH OF WELL (TD): 7.2m m BTOC or m BGL or m BTOM

## PURGING DETAILS / OBSERVATIONS

METHOD:		Bladder Pump	Peristaltic	High Volume Pump	Foot Valve	Bailer	Other:	
DATE:	08/05/2014	WATER LEVEL AFTER PURGE:			4.28m - 08/05/2014		mBTOC / mBGL / mBTOM	
MAX. DRAWDOWN (m)			INTAKE DEPTH:				mBTOC / mBGL / mBTOM	
TIME	CUMUL. VOLUME PURGED (Litres)	PURGE RATE	DO (mg/L)	E.C. mS/cm or µS/cm	pH (standard units)	Redox (mV)	TEMP. (°C)	TURB. (NTUs)
Equilibrium Requirements			± 10 %	± 3 %	± 0.05	± 10	± 0.2	--
15:18			3.18	786	5.57	143	23.1	
15:21			2.00	787	6.11	140	23.1	
15:24			1.79	789	5.99	140	22.8	

## RECHARGE OBSERVATIONS

Slow (80% recharge > 2 Hours)

Fast (80% recharge < 2 Hours)

## SAMPLING DETAILS

METHOD:	Bladder Pump	Peristaltic	High Volume Pump	Foot Valve	Bailer	Other:
DATE & TIME: 08/05/2014 15:15	WATER LEVEL (m): 4.28			mBTOC / mBGL / mBTOM		
SAMPLE ID: SL08052014-01 Bubble ray	Blind Replicate ID:					
	Split Duplicate ID:					
FINAL WATER QUALITY READINGS:	DO (mg/L)	E.C. mS/cm or µS/cm	pH (standard units)	Redox (mV)	TEMP. (°C)	TURB. (NTUs)
	1.79	789	5.99	140	22.8	
DESCRIPTION:	Colour	Turbidity:	Odour:	Other		

**PURGE VOLUME CALCULATOR:** Length of Water Column (m) = TD (m) – SWL (m) =  
One Well Volumes (L) = Length of Water Column x 2 (50mm Dia.) or 7.8 (100mm Dia.) =  
Three Well Volumes (L) =

**NOTES:** m BTOC = metres Below Top of Casing / m BGS = metres Below Ground Surface / m BTOM = metres Below Top of Monument

GEE PERSONNEL: S. McCormack

SIGNATURE:



# GROUNDWATER SAMPLING FIELD DATA

WELL ID:

BH3

## PROJECT INFORMATION

PROJECT NAME:	Stage 1 and 2 ESA	PROJECT NUMBER:	E14002RED
LOCATION / SITE:	175-177 Cleveland St, Redfern NSW	CLIENT:	Krikor Simonian

## WELL DETAILS

WELL DIAMETER (mm): 50mm	WELL SCREEN INTERVAL (m): 3.9 – 7.4m	CASING STICK UP (+) / DOWN (-) m: No
CONDITION (Comments Below):	Damage: YES / NO Well ID Visible: YES / NO	Well Locked: YES / NO Cap on PVC: YES / NO
	Water Around Well: YES / NO Water Between PVC and Gatic/ Monument: YES / NO	

## WELL MEASUREMENTS

STATIC WATER LEVEL (SWL): 4.14m	m BTOC or m BGL or m BTOM
FREE PRODUCT: Yes or No	Thickness (m):
TOTAL DEPTH OF WELL (TD): 7.4m	m BTOC or m BGL or m BTOM

## PURGING DETAILS / OBSERVATIONS

METHOD:		Bladder Pump	Peristaltic	High Volume Pump	Foot Valve	<u>Bailer</u>	Other:	
DATE:	8/5/2014		WATER LEVEL AFTER PURGE:		4.15m on 8/5/2014		mBTOC / mBGL / mBTOM	
MAX. DRAWDOWN (m)			INTAKE DEPTH:		4.15m		mBTOC / mBGL / mBTOM	
TIME	CUMUL. VOLUME PURGED (Litres)	PURGE RATE	DO (mg/L)	E.C. mS/cm or $\mu$ S/cm	pH (standard units)	Redox (mV)	TEMP. (°C)	TURB. (NTUs)
Equilibrium Requirements			$\pm 10 \%$	$\pm 3 \%$	$\pm 0.05$	$\pm 10$	$\pm 0.2$	--
14:58			2.74	970	4.64	186	23.3	
15:04	13:06		2.35	973	4.67	194	23.3	

RECHARGE OBSERVATIONS

## RECHARGE OBSERVATIONS

Slow (80% recharge > 2 Hours)

Fast (80% recharge < 2 Hours)

## SAMPLING DETAILS

METHOD:	Bladder Pump	Peristaltic	High Volume Pump	Foot Valve	Bailer	Other:
DATE & TIME: 08/05/2014	WATER LEVEL (m): 4.15m			mBTOC / mBGL / mBTOM		
SAMPLE ID: JL080514-02	Blind Replicate ID:					
	Split Duplicate ID:					
FINAL WATER QUALITY READINGS:	DO (mg/L)	E.C. mS/cm or $\mu$ S/cm	pH (standard units)	Redox (mV)	TEMP. (°C)	TURB. (NTUs)
	2.74	970	4.64	186	23.3	
DESCRIPTION:	Colour	Turbidity:	Odour:	Other		

PURGE VOLUME CALCULATOR: Length of Water Column (m) = TD (m) – SWL (m) =  
One Well Volumes (L) = Length of Water Column x 2 (50mm Dia.) or 7.8 (100mm Dia.) =  
Three Well Volumes (L) =

NOTES: m BTOC = metres Below Top of Casing / m BGS = metres Below Ground Surface / m BTOM = metres Below Top of Monument

GEE PERSONNEL: S. McCormack

SIGNATURE:



WELL ID:

BH5

Purged on 07/05/2014

PROJECT INFORMATION

PROJECT NAME:	Stage 1 and 2 ESA	PROJECT NUMBER:	E14002RED
LOCATION / SITE:	175-177 Cleveland St, Redfern NSW	CLIENT:	Krikor Simonian

WELL DETAILS

WELL DIAMETER (mm): 50mm		WELL SCREEN INTERVAL (m): ~ 3 – 7m		CASING STICK UP (+) / DOWN (-) m: No	
CONDITION	Damage:	YES / NO	Well Locked:	YES / NO	Water Around Well: YES / NO
(Comments Below):	Well ID Visible:	YES / NO	Cap on PVC:	YES / NO	Water Between PVC and Gatic/ Monument: YES / NO

WELL MEASUREMENTS

STATIC WATER LEVEL (SWL): 2.6m	m BTOC or m BGL or m BTOM
FREE PRODUCT: Yes or No	Thickness (m):
TOTAL DEPTH OF WELL (TD): ~ 7m	m BTOC or m BGL or m BTOM

PURGING DETAILS / OBSERVATIONS

METHOD:		Bladder Pump	Peristaltic	High Volume Pump	Foot Valve	Bailer	Other:	
DATE:	08/05/2014	WATER LEVEL AFTER PURGE:			2.63 08/05/2014		mBTOC / mBGL / mBTOM	
MAX. DRAWDOWN (m)			INTAKE DEPTH:				mBTOC / mBGL / mBTOM	
TIME	CUMUL. VOLUME PURGED (Litres)	PURGE RATE	DO (mg/L)	E.C. mS/cm or µS/cm	pH (standard units)	Redox (mV)	TEMP. (°C)	TURB. (NTUs)
Equilibrium Requirements			± 10 %	± 3 %	± 0.05	± 10	± 0.2	--
15:46			4.87	652	4.94	157	21.8	
15:49			2.85	653	4.87	177	21.8	
15:52			2.49	654	4.89	185	21.7	
RECHARGE OBSERVATIONS								

RECHARGE OBSERVATIONS

Slow (80% recharge > 2 Hours)

Fast (80% recharge < 2 Hours)

SAMPLING DETAILS

METHOD:	Bladder Pump	Peristaltic	High Volume Pump	Foot Valve	Bailer	Other:
DATE & TIME: 08/05/2014 15:45	WATER LEVEL (m): 2.63m			mBTOC / mBGL / mBTOM		
SAMPLE ID: 5L08052014-03 no bags	Blind Replicate ID:					
	Split Duplicate ID:					
FINAL WATER QUALITY READINGS:	DO (mg/L)	E.C. mS/cm or µS/cm	pH (standard units)	Redox (mV)	TEMP. (°C)	TURB. (NTUs)
	2.49	654	4.89	185	21.7	
DESCRIPTION:	Colour	Turbidity:	Odour:	Other		

PURGE VOLUME CALCULATOR: Length of Water Column (m) = TD (m) - SWL (m) =  
One Well Volumes (L) = Length of Water Column x 2 (50mm Dia.) or 7.8 (100mm Dia.) =  
Three Well Volumes (L) =

NOTES: m BTOC = metres Below Top of Casing / m BGS = metres Below Ground Surface / m BTOM = metres Below Top of Monument

GEE PERSONNEL: S. McCormack

SIGNATURE: