TABLE 1: BLAYNEY WASTE DISPOSAL DEPOT - RESULTS OF LABORATORY ANALYSIS
SEPTEMBER 2025 **GROUNDWATER**

				Sample ID	BH1	BH2	BH4	BH6	BH6B	BH9	BH10	BH12	BH_B	BH_B	BH14
				Sample Date	9/09/2025	9/09/2025	9/09/2025	9/09/2025	9/09/2025	9/09/2025	9/09/2025	9/09/2025	27/02/2025	11/09/2025	28/07/2025
Group	**Analyte**	**LOR**	**Units**	**Criteria**	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS
Physical Parameters	pH (Lab)	0	No unit	6.0 - 8.5	**6.8**	**6.7**	**6.7**	**6.5**	**6.7**	**6.6**	**5.8**	**6.9**	**7.4**	**8**	**6.7**
	Electrical Conductivity (Lab)	2	µS/cm	4478	**810**	**4000**	**4400**	**5600**	**6100**	**910**	**7600**	**2100**	**1900**	**1700**	**2100**
	Biochemical Oxygen Demand (BOD5)	5	mg/L	-	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
	Total Suspended Solids	0	mg/L	-	-	-	-	-	-	-	-	-	-	-	**520**
Alkalinity	Total Alkalinity as CaCO3	5	mg/L	350	**320**	**570**	**630**	**510**	**580**	**140**	**220**	**420**	**390**	**350**	**390**
Anions	Chloride	1	mg/L	350	**60**	**1300**	**1400**	**2400**	**2700**	**210**	**3800**	**350**	**360**	**370**	**460**
	Fluoride	0.1	mg/L	1	**0.29**	**0.23**	**0.32**	**0.31**	**0.28**	**0.13**	**0.13**	**0.32**	< 0.1	**0.19**	**0.25**
	Sulfate (SO4)	1	mg/L	1000	**17**	**46**	**360**	**240**	**210**	**39**	**110**	**370**	**84**	**82**	**300**
Cations	Calcium (Ca)	0.1	mg/L	1000	**69**	**400**	**430**	**730**	**790**	**69**	**900**	**220**	**150**	**140**	**160**
	Magnesium (Mg)	0.1	mg/L	-	**39**	**300**	**360**	**450**	**520**	**56**	**720**	**160**	**120**	**120**	**180**
	Potassium (K)	0.2	mg/L	-	**4.1**	**5**	**2.5**	**1.2**	**1.5**	**2.1**	**0.7**	**1.5**	**4.6**	**4.7**	**1**
	Sodium (Na)	0.1	mg/L	230	**39**	**94**	**200**	**150**	**190**	**23**	**99**	**73**	**44**	**46**	**91**
Forms of Carbon	Total Organic Carbon	0.2	mg/L	-	**2.8**	**5.6**	**8.2**	**3.2**	**4.6**	**3.3**	**5.5**	**14**	**2.7**	**2.4**	**4.5**
Nutrients	Ammonia (NH3) as N	0.01	mg/L	-	**0.02**	< 0.05	< 0.05	< 0.05	< 0.05	**0.04**	< 0.05	**0.02**	< 0.01	< 0.01	**0.2**
	Nitrate (NO3) as N	0.005	mg/L	-	**2.4**	**1.1**	**7.2**	< 0.05	< 0.05	< 0.005	< 0.05	**26**	**7.1**	**7.3**	**12**
	Reactive Phosphorus as P	0.005	mg/L	-	-	-	-	-	-	-	-	-	**0.037**	-	-
	Reactive Phosphorus as PO4	0	mg/L	-	-	-	-	-	-	-	-	-	**0.11**	-	-
Trace Metals	Copper (Cu)	0.001	mg/L	0.2	< 0.001	**0.003**	**0.016**	< 0.001	**0.001**	**0.007**	**0.008**	**0.005**	-	**0.018**	< 0.001
	Iron (Fe)	0.005	mg/L	0.2	< 0.005	**0.005**	**0.016**	**0.016**	< 0.005	< 0.005	**0.73**	**0.043**	< 0.005	**0.006**	**0.062**
	Manganese (Mn)	0.001	mg/L	0.2	**0.003**	**0.017**	**0.25**	**0.58**	**1.2**	**0.85**	**3.5**	**0.029**	**0.002**	**0.001**	**0.77**
	Mercury (Hg)	0.0001	mg/L	0.002	< 0.0001	**0.0007**	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	-	< 0.0001	< 0.0001
Phenolics	Total Phenols	0.05	mg/L	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

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				Sample Date	9/09/2025	9/09/2025	9/09/2025	9/09/2025	9/09/2025	9/09/2025	9/09/2025	9/09/2025	27/02/2025	11/09/2025	28/07/2025
Group	**Analyte**	**LOR**	**Units**	**Criteria**	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS
PFAS Compounds	1H,1H,2H,2H-Perfluorododecane sulfonic aci	0.01	µg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	0.01	µg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	0.01	µg/L	-	< 0.01	**0.02**	**0.01**	**0.01**	**0.01**	< 0.01	**0.01**	< 0.01	< 0.01	< 0.01	< 0.01
	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	0.01	µg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	N-Ethyl perfluorooctane sulfonamide (EtFOS/	0.01	µg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	N-Ethyl perfluorooctane sulfonamidoacetic a	0.05	µg/L	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	N-Ethyl perfluorooctane sulfonamidoethanol	0.05	µg/L	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	N-Methyl perfluorooctane sulfonamide (MeF	0.01	µg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	N-Methyl perfluorooctane sulfonamidoaceti	0.05	µg/L	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	N-Methyl perfluorooctane sulfonamidoethar	0.05	µg/L	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Perfluorobutane sulfonate (PFBS)	0.01	µg/L	-	< 0.01	**0.02**	**0.2**	< 0.01	< 0.01	< 0.01	**0.02**	**0.07**	**0.01**	**0.01**	**0.04**
	Perfluorobutanoic acid (PFBA)	0.05	µg/L	-	< 0.05	**0.17**	**0.38**	< 0.05	< 0.05	< 0.05	< 0.05	**0.1**	< 0.05	< 0.05	< 0.05
	Perfluorodecane sulfonic acid (PFDS)	0.01	µg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	Perfluorodecanoic acid (PFDA)	0.01	µg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	Perfluorododecanoic acid (PFDoDA)	0.01	µg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	Perfluoroheptane sulfonic acid (PFHpS)	0.01	µg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	Perfluoroheptanoic acid (PFHpA)	0.01	µg/L	-	< 0.01	**0.19**	**0.35**	**0.02**	**0.02**	< 0.01	**0.03**	**0.13**	< 0.01	< 0.01	**0.02**
	Perfluorohexane sulfonic acid (PFHxS)	0.01	µg/L	-	< 0.01	**0.03**	**0.4**	**0.01**	**0.01**	< 0.01	**0.04**	**0.23**	**0.04**	**0.04**	**0.19**
	Perfluorohexanoic acid (PFHxA)	0.01	µg/L	-	< 0.01	**0.47**	**0.59**	**0.06**	**0.05**	< 0.01	**0.09**	**0.2**	< 0.01	< 0.01	**0.06**
	Perfluorononane sulfonate (PFNS)	0.01	µg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	Perfluorononanoic acid (PFNA)	0.01	µg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	Perfluorooctane sulfonamide (FOSA)	0.01	µg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	Perfluorooctane sulfonic acid (PFOS)	0.01	µg/L	0.00023	< 0.01	< 0.01	**0.08**	< 0.01	< 0.01	< 0.01	< 0.01	**0.1**	**0.01**	**0.01**	**0.07**
	Perfluorooctanoic acid (PFOA)	0.01	µg/L	19	< 0.01	**0.13**	**0.35**	**0.03**	**0.03**	< 0.01	**0.02**	**0.39**	**0.02**	**0.02**	**0.07**
	Perfluoropentane sulfonic acid (PFPeS)	0.01	µg/L	-	< 0.01	< 0.01	**0.09**	< 0.01	< 0.01	< 0.01	< 0.01	**0.05**	< 0.01	< 0.01	**0.03**
	Perfluoropentanoic acid (PFPeA)	0.01	µg/L	-	< 0.01	**0.75**	**0.88**	**0.03**	**0.03**	< 0.01	**0.04**	**0.15**	< 0.01	< 0.01	**0.06**
	Perfluoropropane sulfonic acid (PFPrS)	0.01	µg/L	-	< 0.01	< 0.01	**0.1**	< 0.01	< 0.01	< 0.01	< 0.01	**0.03**	< 0.01	< 0.01	**0.02**
	Perfluorotetradecanoic acid (PFTeDA)	0.01	µg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	Perfluorotridecanoic acid (PFTrDA)	0.01	µg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	Perfluoroundecanoic acid (PFUnDA)	0.01	µg/L	-	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	Sum of PFHxS+PFOS+PFOA	0.01	µg/L	-	< 0.01	**0.16**	**0.83**	**0.04**	**0.04**	< 0.01	**0.06**	**0.72**	**0.07**	**0.07**	**0.32**
	Sum of PFHxS+PFOS	0.01	µg/L	-	< 0.01	**0.03**	**0.48**	**0.01**	**0.01**	< 0.01	**0.04**	**0.32**	**0.05**	**0.05**	**0.26**
	Sum of PFOS+PFOA	0.01	µg/L	-	< 0.01	**0.13**	**0.43**	**0.03**	**0.03**	< 0.01	**0.02**	**0.49**	**0.03**	**0.03**	**0.13**

mg/L	milligrams per litre
µg/L	micrograms per litre
LOR	limit of reporting
PS	primary sample
Criteria	Criteria adopted from *Australian and New Zealand Environment and Conservation Council (ANZECC) Agriculture and Resource Management Council of Australia and New Zealand (ARMCANZ) Australian and New Zealand Guidelines for Fresh and Marine Water Quality* - 'Primary Industries: Water quality for irrigation and general water use', 2000, and/or *Heads of EPAs Australia and New Zealand - National Chemicals Working Group, 'PFAS National Environmental Management Plan'* (Version 3.0, 2025) - *'Ecological water quality guideline values (99% protection)*
	within criteria
	criteria exceeded