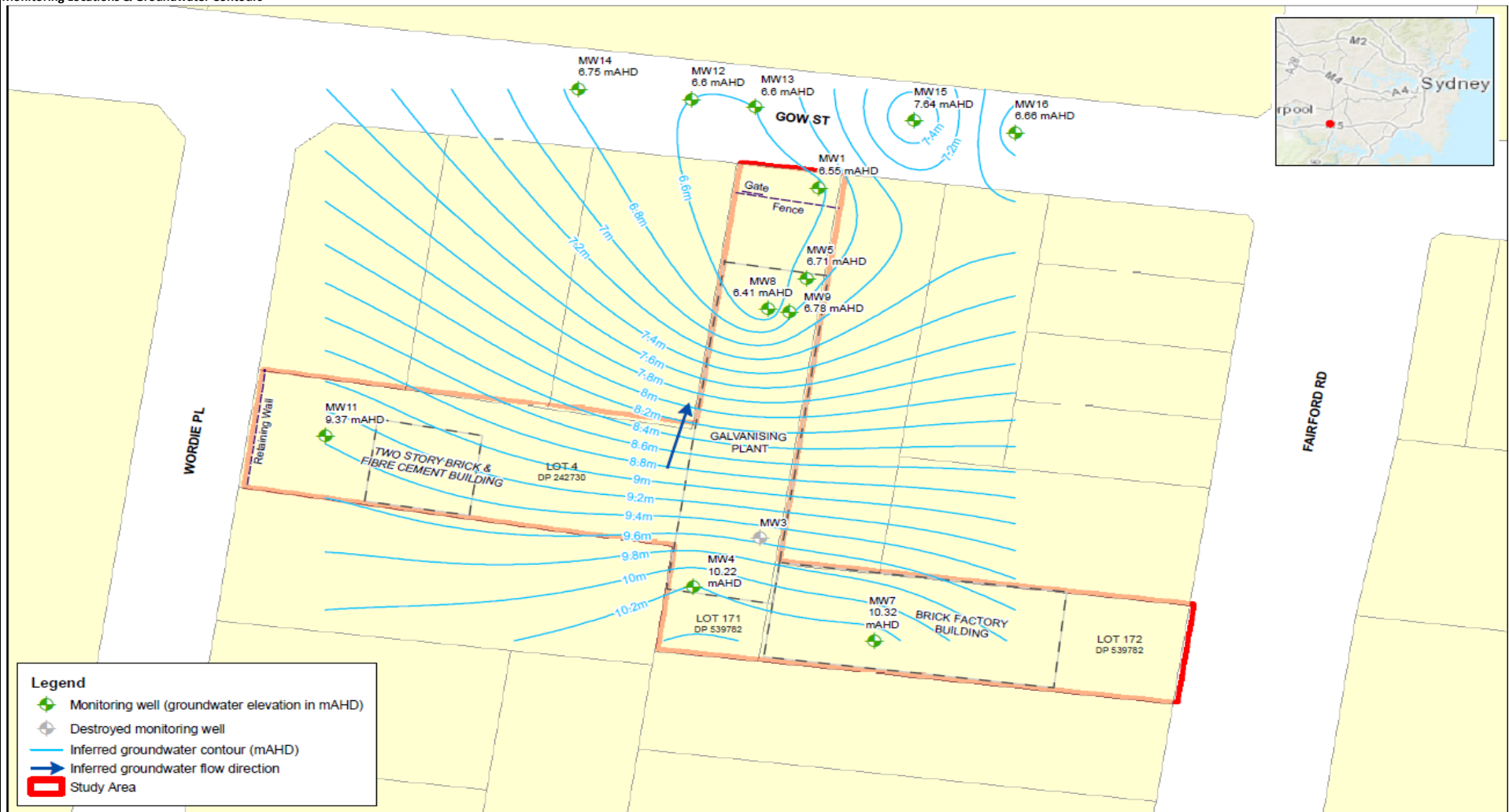


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 Groundwater Monitoring Frequency: Annual

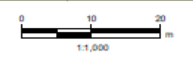
Monitoring Locations & Groundwater Contours



Legend

- Monitoring well (groundwater elevation in mAHd)
- Destroyed monitoring well
- Inferred groundwater contour (mAHd)
- Inferred groundwater flow direction
- Study Area

Map: PS121696_FD03_GWContour_r1v1 Author: AS
 Date: 19-Oct-20 Approved by: PT



Groundwater Monitoring September 2020
 Galvatech galvanising plant, 1 Wordie Place, Padstow, NSW
 Figure 3
 Groundwater Contour Plan

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Sampling Date	2016				2017				2018				2019				2020			
	25/09/2016				24/09/2017				23/09/2018				22/09/2019				27/09/2020			
Obtained Date	18/10/2016				20/10/2017				29/10/2018				28/10/2019				18/11/2020			
Published Date	28/10/2016				25/10/2017				13/11/2018				7/11/2019				25/11/2020			
Well	pH	Pb (mg/L)	Zn (mg/L)	NH ₃ (mg/L)	pH	Pb (mg/L)	Zn (mg/L)	NH ₃ (mg/L)	pH	Pb (mg/L)	Zn (mg/L)	NH ₃ (mg/L)	pH	Pb (mg/L)	Zn (mg/L)	NH ₃ (mg/L)	pH	Pb (mg/L)	Zn (mg/L)	NH ₃ (mg/L)
MW1	5.2	0.002	1.4	0.09	7.1	nd	1.5	5.2	3.4	nd	2.4	0.096	6.4	nd	1.6	0.063	5.2	<0.001	1.4	0.022
MW4	7.3	0.016	4.8	5.7	5.9	0.01	23	2.6	6.7	0.002	41	31	7.0	0.002	1.7	17	7.1	0.004	57	34
MW5	3.4	0.073	1200	13	2.6	0.9	1200	27	2.6	0.78	1100	30	3.3	0.6	840	19	6.3	0.006	17	0.078
MW7	4.6	0.004	1	0.051	4.6	0.01	1.6	0.1	4.7	0.005	4.1	0.098	5.0	nd	1	0.023	5.9	0.001	2.2	0.1
MW8	3.2	0.24	470	11	3.9	0.093	350	12	5.2	0.039	360	20	4.9	0.092	600	44	2.6	0.14	1800	180
MW9	3.8	0.32	1200	120	5.6	1.4	2700	330	4.0	0.83	2400	360	2.9	0.001	51	230	3.4	0.48	490	47
MW11	5.7	0.001	1.5	0.23	4.6	0.007	1.2	0.44	4.4	0.005	1.4	0.49	4.1	nd	0.001	0.3	4.5	0.005	1.3	0.54
MW12	5.6	nd	62	2.2	5.1	0.002	41	1.9	5.5	0.001	38	5.7	5.9	nd	1.4	0.16	5.0	0.002	13	0.64
MW13	Well Damaged - No Sample				4.1	0.005	32	1.4	5.5	0.001	24	1.9	5.6	0.001	51	2.4	4.6	0.002	4.8	0.31
MW14	5.9	nd	1.9	0.16	5.8	nd	1.3	0.22	5.9	nd	1.3	0.18	5.5	0.003	34	1.5	5.8	<0.001	0.89	0.12
MW15	Well Damaged - No Sample				4.2	0.003	1.5	0.23	4.9	nd	0.29	0.099	5.5	0.003	0.19	0.097	4.8	0.003	0.21	0.053
MW16	5.3	nd	0.14	0.12	4.9	0.001	0.3	0.12	5.7	nd	0.49	0.098	5.2	0.001	0.16	0.14	5.6	0.002	0.21	0.13
PW1	2.7	0.005	62	5.3	5.9	0.002	55	4.3	6.3	nd	29	2.7	5.8	nd	73	10	5.3	0.002	46	4.4
PW2	5.3	0.05	300	36	3.8	0.024	220	35	5.5	0.004	64	8.8	3.6	0.049	320	47	3.6	0.012	320	63
PW3	4.7	0.095	540	86	5.1	0.057	630	100	-	0.017	160	28	5.2	0.008	240	31	3.4	0.022	360	100
PW4	4.4	0.11	560	110	4.7	0.008	580	96	4.4	0.004	19	2.6	4.8	0.003	150	10	4.8	0.003	220	67
PW5	3.0	0.76	680	70	Insufficient volume to sample				3.3	0.18	52	12	5.8	nd	30	3	2.8	0.2	520	140
AAC*	-	0.01 ^A	0.072 ^B	2.57 ^C	-	0.01 ^A	0.072 ^B	2.57 ^C	-	0.01 ^A	0.072 ^B	2.57 ^C	-	0.01 ^A	0.072 ^B	2.57 ^C	-	0.01 ^A	0.072 ^B	2.57 ^C

Notes

- * - Adopted Assessment Criteria
- A - NHMRC/ARMCANZ (1996) Australian Drinking Water Guidelines
- B - ANZECC/ARMCANZ (2000) Australian and New Zealand Guidelines for Fresh and Marine Water Quality - Trigger value for freshwater, 95% level of protection
- C - ANZECC/ARMCANZ (2000) Australian and New Zealand Guidelines for Fresh and Marine Water Quality - Trigger value for freshwater, 95% level of protection, assumed pH of 6.0
- nd - Not detected above laboratory Practicval Quantification Limits