
Appendix B: STATIC MONITORING LOCATION RESULT SUMMARY TABLES: SITE 1 – SITE 25

Table B- 1: Results for Week 1

Site number	Date	Start time	Finish time	Weather conditions	Average wind speed (m/s)	Prevailing wind direction	Average CH ₄ (ppm)	Minimum CH ₄ (ppm)	Maximum CH ₄ (ppm)	Average δ ¹³ C-CH ₄ (‰)	Comments
Site 1	29/04/2013	14:10	14:25	Clear	0.8	NNW – NNE	2.1	2.1	2.2	-41	AGL workover at site on day
Site 2	29/04/2013	14:33	14:48	Clear	2.0	N – NNE	2.2	2.1	2.3	-41	Soil truck pulled over on road
Site 3	29/04/2013	15:42	15:57	Clear	0.4	NW	1.9	1.9	1.9	-39	
Site 4	29/04/2013	16:09	16:24	Clear	0.7	N	1.9	1.9	1.9	-38	
Site 5	1/05/2013	14:45	15:00	Clear	0.5	S – W	1.8	1.8	1.8	-41	
Site 6	1/05/2013	12:53	13:08	Clear	1.2	E - SE	1.8	1.8	1.8	-42	
Site 7	1/05/2013	11:37	11:52	Clear	0.9	W - N	2.0	1.9	2.1	-42	
Site 8	1/05/2013	11:12	11:27	Clear	0.8	SW	1.8	1.8	1.9	-41	
Site 9	1/05/2013	10:22	10:37	Clear	1.1	NE - SE	2.2	2.2	2.3	-45	
Site 10	1/05/2013	10:49	11:04	Clear	0.9	SW - W	1.8	1.8	1.9	-42	
Site 11	1/05/2013	12:02	12:17	Clear	0.7	S - SW	2.5	2.0	5.8	-43	Many trucks passing
Site 12	1/05/2013	12:27	12:42	Clear	1.1	NE - SE	1.8	1.8	1.8	-42	
Site 13	29/04/2013	11:23	11:38	Clear	0.7	NE - SE	2.3	2.2	2.5	-38	
Site 14	29/04/2013	12:15	12:35	Clear	1.2	NE - E	2.2	2.1	2.2	-39	
Site 15	29/04/2013	12:45	12:59	Clear	0.8	NE - SE	2.2	2.2	2.2	-40	
Site 16	29/04/2013	13:07	13:22	Clear	1.4	NE	2.2	2.2	2.4	-40	
Site 17	1/05/2013	16:22	16:37	Clear	1.2	E	1.8	1.8	1.8	-42	
Site 18	29/04/2013	15:19	15:34	Clear	1.5	NE	2.1	2.0	2.1	-36	
Site 19	29/04/2013	13:43	13:58	Clear	1.3	NW - NE	2.1	2.1	2.2	-40	
Site 20	1/05/2013	15:18	15:33	Clear	1.6	SE	1.8	1.8	1.8	-45	
Site 21	1/05/2013	13:40	13:55	Clear	0.7	NE	1.8	1.8	1.8	-43	
Site 22	29/04/2013	14:57	15:12	Clear	1.2	NE	2.2	2.2	2.3	-41	
Site 23	1/05/2013	08:57	09:12	Clear	0.7	W, SE	1.8	1.8	1.8	-40	
Site 24	1/05/2013	09:47	10:02	Clear	0.5	W - N	1.8	1.8	1.8	-39	
Site 25	1/05/2013	14:11	14:26	Clear	0.7	S, W	1.8	1.8	1.8	-42	

Table B- 2: Results for Week 2

Site number	Date	Time	Finish time	Weather conditions	Average wind speed (m/s)	Prevailing wind direction	Average CH ₄ (ppm)	Minimum CH ₄ (ppm)	Maximum CH ₄ (ppm)	Average δ ¹³ C-CH ₄ (‰)	Comments
Site 1	8/05/2013	13:12	13:27	Weather conditions	0.8	NNW – NNE	1.8	1.8	1.8	-39	
Site 2	8/05/2013	13:32	13:47	Clear	1.6	NE – E	1.8	1.8	1.8	-39	
Site 3	8/05/2013	14:38	14:53	Clear	0.8	N – NE	1.8	1.8	1.9	-41	
Site 4	9/05/2013	14:16	14:31	Clear	1.0	N - E	1.8	1.8	1.8	-39	
Site 5	8/05/2013	15:12	15:27	Clear	1.5	NNE	1.8	1.8	1.8	-42	
Site 6	9/05/2013	12:34	12:49	Clear	1.4	NW - NE	1.8	1.8	1.8	-40	
Site 7	9/05/2013	12:10	12:25	Clear	1.6	N	1.8	1.8	1.8	-40	
Site 8	9/05/2013	10:53	11:08	Clear	1.3	W - NW	1.9	1.8	2.0	-40	
Site 9	9/05/2013	10:06	10:21	Clear	0.8	W - NW	2.6	2.4	2.9	-44	
Site 10	9/05/2013	10:30	10:45	Clear	0.9	NW	1.9	1.9	2.0	-40	
Site 11	9/05/2013	11:22	11:37	Clear	0.9	NE - E	3.6	2.2	6.9	-47	7 trucks passed
Site 12	9/05/2013	11:43	11:58	Clear	1.7	NW – NE	1.9	1.8	2.1	-41	
Site 13	8/05/2013	11:04	11:19	Clear	0.8	NW – NE	2.1	2.1	2.2	-40	
Site 14	8/05/2013	11:26	11:41	Clear	1.0	E	2.0	1.9	2.1	-38	
Site 15	8/05/2013	12:01	12:16	Partly cloudy	1.2	N – E	1.8	1.8	1.8	-39	
Site 16	8/05/2013	12:22	12:37	Partly cloudy	1.3	NE	1.8	1.8	1.8	-38	
Site 17	8/05/2013	15:52	16:07	Clear	1.8	E	1.8	1.8	1.8	-41	
Site 18	8/05/2013	14:16	14:31	Clear	1.1	E	1.8	1.8	1.8	-37	
Site 19	8/05/2013	12:44	12:59	Partly cloudy	1.3	NE	1.8	1.8	1.9	-39	
Site 20	9/05/2013	14:47	15:02	Clear	1.7	N - NE	1.8	1.8	1.9	-41	
Site 21	9/05/2013	13:15	13:30	Clear	0.9	NW - NE	1.8	1.8	1.8	-39	Lawn mowing near site
Site 22	8/05/2013	13:55	14:10	Clear	1.6	NE	1.8	1.8	1.8	-40	
Site 23	9/05/2013	08:59	09:14	Clear	0.9	SW	2.1	2.0	2.1	-41	
Site 24	9/05/2013	09:30	09:45	Clear	0.8	NW - N	1.9	1.9	2.0	-38	
Site 25	9/05/2013	13:45	14:00	Clear	1.0	N	1.8	1.8	1.8	-41	

Table B- 3: Results for Week 3

Site number	Date	Time	Finish time	Weather conditions	Average wind speed (m/s)	Prevailing wind direction	Average CH ₄ (ppm)	Minimum CH ₄ (ppm)	Maximum CH ₄ (ppm)	Average δ ¹³ C-CH ₄ (‰)	Comments
Site 1	14/05/2013	13:35	13:50	Clear	2.5	SW	1.8	1.7	1.8	-43	Cows upwind (south)
Site 2	14/05/2013	13:57	14:12	Clear	2.4	SW - WSW	1.8	1.7	1.8	-43	
Site 3	14/05/2013	15:36	15:51	Clear	0.7	All directions	1.7	1.7	1.8	-42	
Site 4	15/05/2013	14:31	14:46	Partly cloudy	1.4	SSE - S	1.7	1.7	1.7	-39	
Site 5	14/05/2013	15:08	15:23	Clear	2.5	SW	1.7	1.7	1.7	-44	
Site 6	15/05/2013	12:54	13:09	Clear	2.7	SW - NW	1.7	1.7	1.7	-43	
Site 7	15/05/2013	11:44	11:58	Clear	2.2	NW	1.8	1.7	1.8	-42	
Site 8	15/05/2013	11:17	11:32	Clear	1.8	W - NW	1.8	1.8	1.9	-42	
Site 9	15/05/2013	10:31	10:46	Clear	1.3	NW - N	2.0	1.9	2.2	-43	
Site 10	15/05/2013	10:55	11:10	Clear	1.6	NW	1.9	1.9	2.0	-42	
Site 11	15/05/2013	12:07	12:22	Clear	1.0	SE	2.9	1.8	6.2	-46	Trucks passing
Site 12	15/05/2013	12:30	12:45	Clear	2.3	SW - NW	1.7	1.7	1.7	-43	
Site 13	14/05/2013	11:36	11:51	Clear	1.6	SW - NW	1.7	1.7	1.7	-42	
Site 14	14/05/2013	11:58	12:13	Clear	1.0	SW - NW	1.7	1.7	1.7	-41	
Site 15	14/05/2013	12:21	12:36	Clear	1.4	W	1.7	1.7	1.7	-41	
Site 16	14/05/2013	12:42	12:57	Clear	1.4	SSW	1.7	1.7	1.7	-41	
Site 17	15/05/2013	08:28	08:43	Clear	0.9	W - N	3.5	3.0	4.2	-45	
Site 18	14/05/2013	14:42	14:57	Clear	2.0	W	1.7	1.7	1.7	-44	
Site 19	14/05/2013	13:03	13:18	Clear	1.4	SW - W	1.7	1.7	1.8	-41	
Site 20	15/05/2013	15:05	15:20	Partly cloudy	2.3	SW	1.7	1.7	1.7	-39	
Site 21	15/05/2013	13:34	13:49	Partly cloudy	1.3	SW - W	1.7	1.7	1.7	-41	
Site 22	14/05/2013	14:21	14:35	Clear	3.0	SW - NW	1.8	1.7	1.8	-41	
Site 23	15/05/2013	09:17	09:32	Clear	0.8	NW	2.2	2.2	2.3	-44	
Site 24	15/05/2013	09:49	10:04	Clear	0.9	NW - N	2.2	2.0	2.4	-43	
Site 25	15/05/2013	14:01	14:16	Partly cloudy	2.3	SW - NW	1.7	1.7	1.7	-43	

Table B- 4: Results for Week 4

Site number	Date	Time	Finish time	Weather conditions	Average wind speed (m/s)	Prevailing wind direction	Average CH ₄ (ppm)	Minimum CH ₄ (ppm)	Maximum CH ₄ (ppm)	Average δ ¹³ C-CH ₄ (‰)	Comments
Site 1	20/05/2013	11:02	11:17	Clear	2.9	S	1.8	1.8	1.8	-39	Cows in adjacent field
Site 2	20/05/2013	11:27	11:42	Clear	3.1	SW - WSW	1.8	1.7	1.8	-40	
Site 3	20/05/2013	12:42	12:57	Overcast	1.0	All directions	1.7	1.7	1.7	-40	
Site 4	20/05/2013	13:33	13:39	Clear	2.1	S	1.7	1.7	1.7	-38	
Site 5	20/05/2013	13:07	13:22	Partly cloudy	4.2	SW	1.7	1.7	1.7	-41	
Site 6	21/05/2013	12:08	12:23	Partly cloudy	2.7	SW - W	1.7	1.7	1.7	-41	
Site 7	21/05/2013	10:56	11:11	Clear	2.5	SW - NW	1.9	1.8	2.0	-41	
Site 8	21/05/2013	10:34	10:48	Clear	0.9	SW - NW	2.0	1.9	2.2	-42	
Site 9	21/05/2013	09:43	09:58	Clear	1.1	W - NW	2.2	2.0	2.4	-43	
Site 10	21/05/2013	10:09	10:24	Clear	1.1	NW	2.1	2.0	2.2	-42	
Site 11	21/05/2013	11:22	11:36	Clear	0.9	SE - W	1.8	1.7	1.9	-39	
Site 12	21/05/2013	11:43	11:57	Clear	2.4	SW - NW	1.7	1.7	1.7	-42	
Site 13	20/05/2013	08:23	08:38	High cloud	0.4	NW - NE	3.2	2.4	3.9	-41	
Site 14	20/05/2013	08:45	09:00	High cloud	1.3	SW	2.1	2.0	2.1	-41	
Site 15	20/05/2013	09:25	09:40	High cloud	0.6	S - SW	2.1	2.0	2.2	-40	Horses passing
Site 16	20/05/2013	09:46	10:01	Clear	1.0	S - SW	1.9	1.9	1.9	-40	
Site 17	21/05/2013	12:53	13:08	Clear	2.0	S - W	2.2	1.8	3.0	-43	
Site 18	20/05/2013	12:18	12:32	Clear	1.5	SW	1.8	1.7	1.8	-42	Cows present to south
Site 19	20/05/2013	10:29	10:44	Clear	1.5	SW	1.8	1.8	1.8	-39	
Site 20	20/05/2013	15:15	15:30	Clear	2.0	SW	1.7	1.7	1.7	-36	
Site 21	20/05/2013	14:03	14:18	Clear	1.1	SW	1.7	1.7	1.8	-40	
Site 22	20/05/2013	11:49	12:04	Clear	3.0	SW - NW	1.8	1.7	1.8	-41	
Site 23	21/05/2013	08:36	08:51	Clear	0.9	W	2.5	2.4	2.6	-42	
Site 24	21/05/2013	09:08	09:23	Clear	0.6	S - NW	4.7	4.0	5.3	-46	
Site 25	20/05/2013	14:35	14:49	Clear	1.7	SW - NW	1.7	1.7	1.7	-42	

Table B- 5: Results for Week 5

Site number	Date	Time	Finish time	Weather conditions	Average wind speed (m/s)	Prevailing wind direction	Average CH ₄ (ppm)	Minimum CH ₄ (ppm)	Maximum CH ₄ (ppm)	Average δ ¹³ C-CH ₄ (‰)	Comments
Site 1	29/05/2013	12:31	12:46	Clear	0.9	NW - NE	1.9	1.8	1.9	-41	Cows in field
Site 2	29/05/2013	11:43	11:58	Clear	1.3	N	2.0	1.9	2.0	-41	Cows in field
Site 3	29/05/2013	10:27	10:42	Clear	0.7	NW - NE	1.9	1.9	2.0	-42	
Site 4	29/05/2013	09:13	09:28	Fog clearing	0.6	N - NE	2.1	2.0	2.1	-44	Fog cleared
Site 5	29/05/2013	09:43	09:58	Clear	0.8	NW- NE	1.8	1.8	1.8	-42	
Site 6	30/05/2013	09:58	10:13	High cloud	0.6	E - SE	2.3	2.2	2.3	-43	
Site 7	30/05/2013	11:12	11:27	High cloud	1.4	NW - NW	2.0	1.9	2.1	-40	
Site 8	30/05/2013	12:28	12:43	High cloud	0.8	W	1.9	1.8	2.4	-39	
Site 9	30/05/2013	12:03	12:18	High cloud	0.8	NE	1.8	1.8	1.8	-39	
Site 10	30/05/2013	11:35	11:50	High cloud	1.0	W	1.9	1.8	1.9	-37	
Site 11	30/05/2013	10:20	10:35	High cloud	0.8	SE	2.5	2.2	3.1	-43	Odour of landfill, trucks passing
Site 12	30/05/2013	10:46	11:01	High cloud	0.6	W, NW	2.7	2.1	3.6	-45	Odour of landfill
Site 13	29/05/2013	14:20	14:35	Clear	0.7	E	1.8	1.8	1.8	-38	Traffic passing
Site 14	29/05/2013	14:41	14:56	Clear	2.1	NE	1.8	1.8	1.9	-39	Wind picked up
Site 15	29/05/2013	13:27	13:42	Clear	1.0	NE	1.8	1.8	1.8	-40	Horses passing
Site 16	29/05/2013	13:55	14:10	Clear	1.3	NW - NE	1.9	1.8	2.0	-41	
Site 17	29/05/2013	15:06	15:21	Clear	1.1	NE	2.0	1.9	2.0	-40	
Site 18	29/05/2013	10:52	11:07	Clear	0.6	All directions	1.9	1.9	1.9	-41	Cows in field
Site 19	29/05/2013	12:04	12:19	Clear	0.8	NE - NW	1.9	1.9	2.0	-42	
Site 20	29/05/2013	12:55	13:10	Clear	1.0	N, S	1.9	1.9	2.0	-41	
Site 21	30/05/2013	09:26	09:41	High cloud	0.5	NE	2.4	2.4	2.5	-45	
Site 22	29/05/2013	11:14	11:29	Clear	1.2	E	1.8	1.8	1.9	-41	Distant cows
Site 23	30/05/2013	13:35	13:50	High cloud	0.6	NW - NE	1.9	1.9	1.9	-39	
Site 24	30/05/2013	12:58	13:13	High cloud	1.1	NW	2.1	2.0	2.1	-42	
Site 25	30/05/2013	08:52	09:07	Partly cloudy	0.3	N - E	2.5	2.4	2.6	-44	Smoke observed en route

Table B- 6: Results for Week 6

Site number	Date	Time	Finish time	Weather conditions	Average wind speed (m/s)	Prevailing wind direction	Average CH ₄ (ppm)	Minimum CH ₄ (ppm)	Maximum CH ₄ (ppm)	Average δ ¹³ C-CH ₄ (‰)	Comments
Site 1	4/06/2013	10:53	11:08	Clear	1.7	S - SW	1.8	1.8	1.8	-40	Cows in field
Site 2	4/06/2013	11:17	11:32	Clear	1.9	S	1.8	1.8	1.8	-40	
Site 3	4/06/2013	12:51	13:06	Clear	0.9	S - SE	1.8	1.8	1.8	-39	
Site 4	4/06/2013	13:49	14:04	Partly cloudy	0.8	N, S	1.8	1.8	1.8	-38	
Site 5	4/06/2013	13:19	13:34	Clear	1.0	W	1.8	1.8	1.8	-37	
Site 6	5/06/2013	10:20	10:35	Thin cloud	0.6	S - SE	2.3	2.2	2.4	-43	
Site 7	5/06/2013	11:33	11:48	High cloud	0.8	S - SW	1.9	1.8	2.0	-40	
Site 8	5/06/2013	12:00	12:15	High cloud	0.9	W - NW	1.9	1.8	2.2	-39	
Site 9	5/06/2013	12:54	13:09	Overcast	1.0	NW - NE	1.8	1.8	1.9	-41	
Site 10	5/06/2013	12:21	12:36	Clear	1.0	NW - N	1.8	1.8	1.8	-38	
Site 11	5/06/2013	10:44	10:59	Light cloud	0.5	S	2.3	2.1	2.5	-41	Trucks passing
Site 12	5/06/2013	11:06	11:21	High cloud	0.7	W	1.9	1.9	2.0	-40	
Site 13	4/06/2013	08:59	09:14	High cloud	0.8	SW	2.1	2.1	2.3	-43	
Site 14	4/06/2013	09:20	09:35	Partly cloudy	0.7	SE	2.3	2.3	2.4	-44	Cow manure in field
Site 15	4/06/2013	09:44	09:59	Partly cloudy	1.3	SE	2.2	2.1	2.3	-42	
Site 16	4/06/2013	10:30	10:45	High cloud	0.6	W	1.9	1.8	2.0	-42	
Site 17	5/06/2013	09:36	09:51	Thin cloud	1.2	SW	2.5	2.2	3.0	-43	Thin layer low cloud – inversion
Site 18	4/06/2013	12:17	12:32	Clear	0.6	All directions	1.8	1.8	1.8	-39	Cows in field
Site 19	4/06/2013	10:07	10:22	Partly cloudy	0.7	SE - S	1.8	1.8	1.9	-42	
Site 20	4/06/2013	15:27	15:42	Clear	1.6	W	1.8	1.8	1.8	-40	
Site 21	4/06/2013	14:48	15:03	Clear	0.8	NE - NW	1.8	1.7	1.8	-41	
Site 22	4/06/2013	11:57	12:12	Clear	1.7	W	1.8	1.8	1.8	-40	
Site 23	5/06/2013	13:59	14:14	Partly cloudy	1.3	NW	1.9	1.9	2.0	-38	Lawn mowing nearby
Site 24	5/06/2013	13:24	13:39	Overcast	1.5	NW	1.9	1.9	2.0	-40	
Site 25	4/06/2013	14:21	14:36	Clear	0.7	NW	1.7	1.7	1.8	-40	

Table B- 7: Results for Week 7

Site number	Date	Time	Finish time	Weather conditions	Average wind speed (m/s)	Prevailing wind direction	Average CH ₄ (ppm)	Minimum CH ₄ (ppm)	Maximum CH ₄ (ppm)	Average δ ¹³ C-CH ₄ (‰)	Comments
Site 1	13/06/2013	15:35	15:50	Far clouds	1.2	W	1.8	1.7	1.8	-42	Cows, cow odour
Site 2	13/06/2013	15:16	15:31	Clear	2.2	W	1.8	1.7	1.9	-41	Road works to south
Site 3	13/06/2013	14:07	14:22	Clear	1.2	N	1.7	1.7	1.7	-42	Wind picked up
Site 4	13/06/2013	13:06	13:21	Clear	0.6	N, S	1.9	1.8	1.9	-41	
Site 5	13/06/2013	13:34	13:49	Clear	2.9	SSW	1.7	1.7	1.8	-39	Cow odour
Site 6	13/06/2013	11:28	11:44	Clear	1.0	NW - NE	2.2	2.1	2.3	-41	Construction works nearby
Site 7	13/06/2013	10:19	10:34	Clear	1.4	W - NE	2.7	2.6	2.9	-43	AGL Work over
Site 8	13/06/2013	09:57	10:12	Clear	0.7	NW	2.9	2.7	3.4	-43	Cars passing
Site 9	12/06/2013	09:58	10:13	Overcast	0.4	All directions	3.7	2.9	5.0	-45	Landfill odour
Site 10	13/06/2013	09:37	09:52	Overcast	0.9	S	3.5	3.3	3.7	-45	Rain
Site 11	13/06/2013	10:42	10:57	Clear	1.1	NE	3.6	2.5	5.9	-46	Trucks passing
Site 12	13/06/2013	11:03	11:18	Clear	0.9	NW	2.4	2.3	2.6	-43	
Site 13	12/06/2013	13:54	14:09	Overcast	0.3	W, N	2.4	2.3	2.5	-40	Raining
Site 14	12/06/2013	14:16	14:31	Overcast	0.6	NE	2.5	2.4	2.7	-42	Raining, cow manure in field
Site 15	12/06/2013	14:40	14:55	Overcast	0.6	SE	2.8	2.5	2.9	-43	Horses passing
Site 16	12/06/2013	15:01	15:16	Overcast	0.4	SW - NW	2.4	2.4	2.5	-42	Smoke odour
Site 17	13/06/2013	16:20	16:35	Far clouds	1.0	W	1.7	1.7	1.8	-39	
Site 18	13/06/2013	14:31	14:46	Clear	2.1	W	1.7	1.7	1.7	-42	Wind picked up
Site 19	13/06/2013	15:55	16:10	Far clouds	1.0	NW	1.7	1.7	1.8	-42	
Site 20	12/06/2013	15:28	15:43	Overcast	1.3	N - NE	2.1	2.1	2.2	-41	
Site 21	13/06/2013	12:00	12:15	Clear	0.8	NE - NW	2.1	2.1	2.1	-41	
Site 22	13/06/2013	14:53	15:08	Clear	6.0	W	1.7	1.7	1.7	-43	Windy
Site 23	12/06/2013	08:49	09:04	Overcast	0.6	SW - W	2.9	2.7	3.0	-45	Morning dew
Site 24	12/06/2013	09:20	09:35	Overcast	0.2	NW	2.8	2.8	2.8	-45	Damp
Site 25	13/06/2013	12:37	12:52	Clear	0.8	W	1.8	1.8	1.9	-41	

Table B- 8: Results for Week 8

Site number	Date	Time	Finish time	Weather conditions	Average wind speed (m/s)	Prevailing wind direction	Average CH ₄ (ppm)	Minimum CH ₄ (ppm)	Maximum CH ₄ (ppm)	Average δ ¹³ C-CH ₄ (‰)	Comments
Site 1	18/06/2013	09:30	09:45	Clear	1.0	S - SE	2.4	2.2	2.5	-42	Cows to south
Site 2	18/06/2013	09:53	10:08	Clear	1.3	SE	2.1	1.9	2.3	-41	Cows to north
Site 3	18/06/2013	11:01	11:16	Clear	1.2	SE - SW	1.9	1.8	1.9	-41	Smoke odour, horses to north
Site 4	18/06/2013	11:27	11:42	Clear	2.0	S	1.7	1.7	1.7	-37	Southerly wind
Site 5	18/06/2013	11:53	12:07	Clear	2.4	SSW	1.7	1.7	1.7	-42	
Site 6	18/06/2013	13:23	13:38	Clear	2.4	SW	1.8	1.7	1.8	-41	Construction
Site 7	18/06/2013	14:45	15:00	Partly cloudy	2.2	SW	1.9	1.9	1.9	-43	AGL Work over at SF05
Site 8	19/06/2013	11:04	11:19	Light cloud	1.9	SW	1.7	1.7	1.8	-40	Cars passing
Site 9	19/06/2013	10:20	10:35	Clear	1.8	SW	2.0	1.8	2.2	-41	Landfill odour
Site 10	19/06/2013	10:44	10:59	Light cloud	3.5	S	2.0	1.8	2.4	-40	Windy
Site 11	18/06/2013	13:47	14:02	Partly cloudy	1.2	S	1.8	1.8	2.0	-40	Trucks passing
Site 12	18/06/2013	15:09	15:24	Partly cloudy	4.6	SSE	1.8	1.8	1.8	-40	
Site 13	19/06/2013	12:35	12:51	Partly cloudy	1.0	All directions	1.8	1.7	1.8	-39	
Site 14	19/06/2013	12:56	13:11	Light cloud	3.2	S	1.8	1.8	1.8	-40	Cow manure in field
Site 15	19/06/2013	13:29	13:45	Light cloud	4.2	S	1.7	1.7	1.8	-38	Horses passing
Site 16	19/06/2013	13:52	14:07	Light cloud	2.5	S	1.8	1.7	1.8	-39	Horses passing
Site 17	18/06/2013	15:53	16:08	Partly cloudy	0.6	SSW	2.8	2.1	4.6	-44	Light rain
Site 18	18/06/2013	10:37	10:52	Clear	1.8	SE - SW	1.8	1.8	1.9	-41	Cows to south
Site 19	18/06/2013	08:36	08:51	Clear	0.4	ESE	3.1	2.6	3.4	-43	
Site 20	18/06/2013	09:06	09:21	Clear	0.8	E - S	2.6	2.4	2.8	-42	
Site 21	18/06/2013	12:56	13:11	Clear	1.2	S	1.7	1.7	1.8	-40	
Site 22	18/06/2013	10:15	10:30	Clear	2.3	S	1.8	1.8	1.8	-40	Cow odour
Site 23	19/06/2013	12:00	12:15	Clear	1.7	SE - S	1.8	1.8	1.8	-38	
Site 24	19/06/2013	11:30	11:45	Light cloud	1.9	SE	1.8	1.7	1.8	-38	Windy
Site 25	18/06/2013	12:20	12:35	Clear	0.9	SW	1.7	1.7	1.8	-40	

Table B- 9: Results for Week 9

Site number	Date	Time	Finish time	Weather conditions	Average wind speed (m/s)	Prevailing wind direction	Average CH ₄ (ppm)	Minimum CH ₄ (ppm)	Maximum CH ₄ (ppm)	Average δ ¹³ C-CH ₄ (‰)	Comments
Site 1	26/06/13	16:25	16:40	Partly cloudy	4.3	SE	2.1	1.9	2.2	-41	Cows in field
Site 2	26/06/13	16:06	16:21	Partly cloudy	4.1	E	1.9	1.8	2.2	-41	
Site 3	26/06/13	17:09	17:24	Partly cloudy	3.2	All directions	1.8	1.8	2.0	-41	Dusk
Site 4	25/06/13	16:26	16:41	Overcast	4.0	S	1.8	1.8	1.8	-38	
Site 5	25/06/13	16:01	16:16	Light drizzle	4.1	S	1.8	1.8	1.8	-39	Smokey odour
Site 6	26/06/13	14:49	15:04	Partly cloudy	4.1	SSE	1.9	1.8	1.9	-40	
Site 7	26/06/13	14:03	14:18	Partly cloudy	3.7	S	1.9	1.8	2.1	-41	
Site 8	25/06/13	15:22	15:37	Light rain	0.6	All directions	1.9	1.8	3.5	-40	
Site 9	26/06/13	13:20	13:35	Partly cloudy	3.7	SE	1.7	1.7	1.7	-39	
Site 10	26/06/13	13:42	13:57	Partly cloudy	4.9	SW	1.8	1.7	2.2	-41	Landfill odour
Site 11	25/06/13	13:00	13:15	Sprinkling	0.7	SE - SW	1.8	1.8	1.8	-41	Trucks passing
Site 12	26/06/13	14:27	14:42	Partly cloudy	4.2	S	2.1	2.0	2.2	-41	
Site 13	26/06/13	11:24	11:39	Sprinkling	1.3	All directions	1.8	1.7	1.8	-40	Cars passing
Site 14	26/06/13	11:44	11:59	Sprinkling	2.0	SE	1.7	1.7	1.7	-39	Southerly wind picking up
Site 15	26/06/13	10:59	11:14	Sprinkling	3.9	SE	1.8	1.7	1.8	-39	
Site 16	26/06/13	10:39	10:54	Overcast	1.0	S	1.9	1.8	1.9	-40	Horses passing
Site 17	26/06/13	09:54	10:09	Overcast	2.7	E	2.0	1.8	2.4	-40	Alternative site next to shed
Site 18	26/06/13	15:46	16:01	Partly cloudy	2.3	SE	1.8	1.8	1.9	-40	Cows in field
Site 19	26/06/13	10:22	10:37	Overcast	2.5	SE - SW	1.9	1.8	2.0	-39	
Site 20	25/06/13	16:54	17:09	Sprinkling	9.9	S	1.8	1.8	1.8	-39	
Site 21	26/06/13	15:17	15:32	Clear	4.1	SW - SE	1.9	1.8	1.9	-40	
Site 22	26/06/13	16:47	17:02	Partly cloudy	2.7	SE - E	2.6	2.2	2.9	-44	Windy, dusk
Site 23	26/06/13	12:17	12:32	Partly cloudy	4.0	SE	1.7	1.7	1.7	-39	
Site 24	26/06/13	12:47	13:03	Partly cloudy	2.8	S	1.8	1.8	1.8	-38	
Site 25	25/06/13	11:37	11:52	Light rain	0.4	N, SW	1.9	1.9	2.0	-42	Smokey odour

Table B- 10: Results for Week 10

Site number	Date	Time	Finish time	Weather conditions	Average wind speed (m/s)	Prevailing wind direction	Average CH ₄ (ppm)	Minimum CH ₄ (ppm)	Maximum CH ₄ (ppm)	Average δ ¹³ C-CH ₄ (‰)	Comments
Site 1	03/07/13	11:39	11:54	Clear	0.9	NE	2.1	2.1	2.1	-42	Cows to south, putrid odour
Site 2	03/07/13	12:04	12:19	Clear	1.3	N	2.1	2.0	2.1	-41	
Site 3	03/07/13	13:15	13:30	Clear	1.2	N	1.8	1.8	1.8	-38	
Site 4	03/07/13	14:29	14:44	Clear	0.9	N	1.8	1.8	1.8	-38	
Site 5	03/07/13	14:02	14:17	Clear	1.2	N	1.8	1.8	1.8	-37	
Site 6	04/07/13	12:51	13:06	Clear	4.9	NW	1.8	1.8	1.8	-39	Windy
Site 7	04/07/13	11:42	11:57	Clear	3.6	SE	1.8	1.8	1.8	-37	Windy, workover to north
Site 8	04/07/13	11:19	11:34	Clear	1.6	WNW	1.9	1.8	2.3	-38	Cars and garbage truck passing
Site 9	04/07/13	10:30	10:45	Clear	0.8	All directions	4.2	2.2	8.9	-43	Landfill odour
Site 10	04/07/13	10:57	11:12	Clear	0.9	NW - NE	2.1	2.1	2.1	-40	Garbage truck collection
Site 11	04/07/13	12:06	12:21	Clear	1.4	S	3.7	2.5	6.7	-46	Strong landfill odour
Site 12	04/07/13	12:28	12:43	Clear	3.1	NW	1.8	1.8	1.8	-39	Windy, active stockpiling
Site 13	03/07/13	09:36	09:51	Clear	0.7	W - SW	2.7	2.6	2.7	-42	
Site 14	03/07/13	09:56	10:11	Clear	0.4	NE - SE	2.2	2.2	2.4	-41	Cow manure in field
Site 15	03/07/13	10:55	11:10	Clear	0.8	W - NW	2.2	2.2	2.2	-43	Horses passing
Site 16	03/07/13	11:16	11:31	Clear	0.8	N	2.1	2.1	2.1	-42	Horses passing
Site 17	03/07/13	15:42	15:57	Clear	0.8	NW	1.8	1.8	1.8	-38	
Site 18	03/07/13	12:53	13:08	Clear	1.1	NW	1.8	1.8	1.8	-39	Distant horses
Site 19	03/07/13	10:28	10:43	Clear	0.5	All directions	2.2	2.1	2.4	-41	Slight putrid odour
Site 20	03/07/13	15:00	15:15	Clear	2.0	NW	1.9	1.8	2.0	-39	Cows, cow manure
Site 21	04/07/13	13:23	13:38	Clear	1.1	All directions	1.8	1.8	1.8	-39	
Site 22	03/07/13	12:31	12:46	Clear	1.7	NW - N	2.0	1.9	2.1	-39	Distant cows
Site 23	04/07/13	09:22	09:37	Clear	0.4	NW - NE	2.5	2.1	2.8	-40	
Site 24	04/07/13	09:55	10:10	Clear	0.6	NW - NE	3.2	2.7	3.6	-42	
Site 25	04/07/13	13:48	14:03	Clear	2.0	W	1.8	1.8	1.8	-39	

Table B- 11: Results for Week 11

Site number	Date	Time	Finish time	Weather conditions	Average wind speed (m/s)	Prevailing wind direction	Average CH ₄ (ppm)	Minimum CH ₄ (ppm)	Maximum CH ₄ (ppm)	Average δ ¹³ C-CH ₄ (‰)	Comments
Site 1	11/07/13	09:02	09:17	Clear	2.0	SSE	3.3	3.0	3.6	-46	Cows to south
Site 2	11/07/13	13:36	13:51	Clear	1.4	N	1.8	1.8	2.0	-41	Distant cows
Site 3	11/07/13	09:52	10:07	Clear	0.8	N	1.9	1.9	2.0	-41	
Site 4	11/07/13	11:49	12:04	Clear	0.7	All directions	1.8	1.8	1.8	-41	Woodfire smoke odour
Site 5	11/07/13	12:15	12:30	Clear	1.0	W	1.8	1.8	1.8	-40	
Site 6	11/07/13	10:56	11:11	Clear	1.1	NW	1.9	1.9	2.0	-42	
Site 7	10/07/13	15:17	15:32	Partly cloudy	1.2	E - SE	1.9	1.8	2.3	-42	Workover
Site 8	10/07/13	14:55	15:10	Overcast	1.0	E	2.4	2.0	2.8	-39	Burning plastic odour
Site 9	10/07/13	14:10	14:25	Overcast	0.6	NW - NE	1.8	1.8	1.8	-40	
Site 10	10/07/13	14:34	14:49	Overcast	0.4	NE	1.8	1.8	1.9	-40	
Site 11	10/07/13	15:42	15:57	Partly cloudy	0.7	NE	16.6	8.4	23.2	-52	Strong landfill odour
Site 12	10/07/13	16:05	16:20	Partly cloudy	1.6	E	1.8	1.8	1.9	-40	
Site 13	11/07/13	14:53	15:08	Clear	1.1	NW - NE	1.8	1.8	1.8	-39	Traffic passing
Site 14	11/07/13	14:32	14:47	Clear	1.2	NE	1.8	1.8	1.8	-41	Cow manure in field, horses distant
Site 15	11/07/13	15:41	15:56	Clear	0.7	NW	1.8	1.8	1.9	-41	Horses nearby
Site 16	11/07/13	16:00	16:15	Clear	0.6	E	2.3	2.0	2.5	-42	Woodfire smoke odour
Site 17	10/07/13	12:24	12:38	Partly cloudy	1.2	NW	2.0	1.9	2.0	-43	Distant cows
Site 18	11/07/13	12:48	13:03	Scattered cloud	0.7	NE - NW	1.8	1.8	1.8	-39	Distant cows
Site 19	11/07/13	15:17	15:32	Scattered cloud	0.7	NW - NE	1.8	1.8	1.8	-40	
Site 20	11/07/13	09:24	09:39	Clear	1.0	SE - SW	2.9	2.7	3.1	-45	
Site 21	11/07/13	11:21	11:36	Clear	0.8	All directions	1.9	1.8	1.9	-41	
Site 22	11/07/13	13:08	13:23	Scattered cloud	1.3	N	1.8	1.8	1.8	-40	
Site 23	10/07/13	13:06	13:21	Partly cloudy	1.0	W - E	1.8	1.8	1.9	-42	
Site 24	10/07/13	13:36	13:51	Partly cloudy	0.8	NW - NE	1.9	1.9	1.9	-42	
Site 25	11/07/13	10:26	10:41	Clear	1.0	NW - NE	2.0	1.9	2.0	-42	Children let off smoke cracker

Table B- 12: Results for Week 12

Site number	Date	Time	Finish time	Weather conditions	Average wind speed (m/s)	Prevailing wind direction	Average CH ₄ (ppm)	Minimum CH ₄ (ppm)	Maximum CH ₄ (ppm)	Average δ ¹³ C-CH ₄ (‰)	Comments
Site 1	17/07/2013	11:50	12:05	Mostly sunny	2.7	N	3.1	2.9	3.2	-44	Cows to south, fertilizer odour
Site 2	17/07/2013	11:30	11:45	Mostly sunny	2.6	N	2.9	2.8	3.1	-44	Distant cows
Site 3	16/07/2013	09:07	09:22	Light cloud	1.2	N	2.6	2.6	2.6	-44	
Site 4	16/07/2013	10:24	10:39	Overcast	2.5	All directions	2.8	2.6	3.0	-44	
Site 5	16/07/2013	09:54	10:09	Overcast	3.6	NW	2.2	2.0	2.2	-43	
Site 6	16/07/2013	11:46	12:01	Light cloud	4.6	All directions	2.5	2.4	2.7	-42	
Site 7	16/07/2013	12:57	13:12	Scattered cloud	2.1	NW - NE	2.1	2.0	2.1	-41	Workover
Site 8	16/07/2013	14:10	14:25	Scattered cloud	3.1	NW	1.9	1.9	2.0	-38	Cars passing
Site 9	16/07/2013	13:23	13:38	Scattered cloud	0.6	SE - SW	3.1	2.8	3.4	-46	Landfill odour
Site 10	16/07/2013	13:51	14:06	Scattered cloud	2.0	All directions	1.9	1.9	2.0	-40	
Site 11	16/07/2013	12:11	12:26	Light cloud	1.0	S	2.8	2.4	5.5	-42	Trucks passing
Site 12	16/07/2013	12:32	12:47	Scattered cloud	2.0	All directions	2.4	2.3	2.6	-42	Active stockpiling
Site 13	16/07/2013	15:47	16:02	Overcast	0.4	E	2.2	2.2	2.2	-41	Cars passing, landfill odour
Site 14	16/07/2013	16:08	16:23	Overcast	2.6	E	2.0	1.9	2.0	-39	Cow manure in field
Site 15	17/07/2013	12:33	12:48	Mostly sunny	3.7	NW - NE	2.3	2.2	2.4	-43	Horses passing
Site 16	17/07/2013	13:09	13:24	Clear	1.7	E	2.2	2.1	2.2	-42	Horses passing
Site 17	17/07/2013	13:37	13:52	Clear	2.0	N	1.9	1.9	1.9	-40	
Site 18	17/07/2013	11:05	11:20	Clear	0.7	NE - NW	2.8	2.7	2.9	-42	Distant cows
Site 19	17/07/2013	12:10	12:25	Mostly sunny	2.3	NW - E	3.1	3.0	3.2	-45	Slight putrid odour – landfill?
Site 20	16/07/2013	08:35	08:50	Light cloud	1.5	W - NE	3.0	2.7	3.2	-45	Cow manure
Site 21	16/07/2013	11:18	11:33	Light cloud	3.2	All directions	2.5	2.4	2.6	-43	Waste truck parked at site
Site 22	17/07/2013	10:44	10:59	Mostly sunny	2.7	E	2.5	2.2	2.8	-42	Cows in adjacent field
Site 23	16/07/2013	15:09	15:24	Partly cloudy	1.9	W - N	1.8	1.8	1.8	-39	
Site 24	16/07/2013	14:38	14:53	Partly cloudy	1.9	NE	1.8	1.8	1.9	-39	
Site 25	16/07/2013	10:52	11:07	Overcast	2.8	E	2.0	2.0	2.1	-42	

Table B- 13: Results for Week 11 Night Monitoring

Site number	Date	Time	Finish time	Weather conditions	Average wind speed (m/s)	Prevailing wind direction	Average CH ₄ (ppm)	Minimum CH ₄ (ppm)	Maximum CH ₄ (ppm)	Average δ ¹³ C-CH ₄ (‰)	Comments
Site 6	10/07/13	20:06	20:21	Light cloud	0.5	NE	2.9	2.8	3.0	-44	Light landfill odour
Site 7	10/07/13	20:59	21:14	Partial light cloud	0.6	SE	4.8	4.5	5.2	-48	Landfill odour
Site 11	10/07/13	20:30	20:45	Clear	0.3	NE	8.5	4.6	16.7	-51	Very strong landfill odour
Site 13	10/07/13	22:07	22:22	Clear	0.3	All directions	3.0	2.8	3.1	-44	
Site 15	10/07/13	18:09	18:24	Clear	0.5	SE – SW	1.8	1.8	1.9	-38	
Site 19	10/07/13	18:31	18:46	Clear	0.4	SE – W	2.3	2.3	2.3	-43	
Site 21	10/07/13	19:26	19:41	Light cloud	0.3	N	2.3	2.3	2.6	-43	Leaves odour
Site 22	10/07/13	18:56	19:11	Clear	1.6	SE	2.0	1.9	2.0	-38	
Site 23	10/07/13	21:34	21:49	Clear	0.5	W	2.5	2.3	2.6	-44	

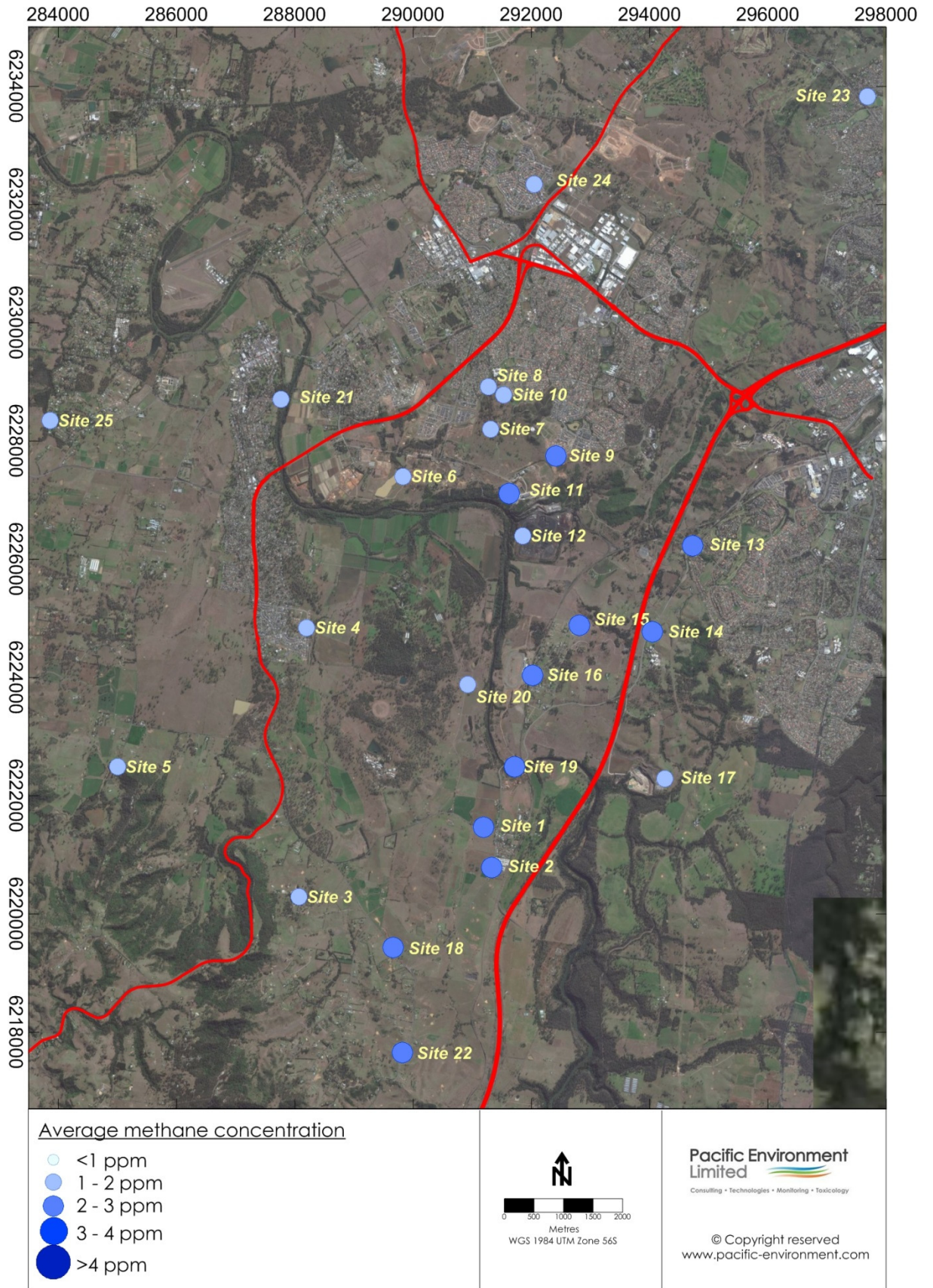


Figure B- 1: 15 minute average CH₄ concentration at monitoring locations – Week 1

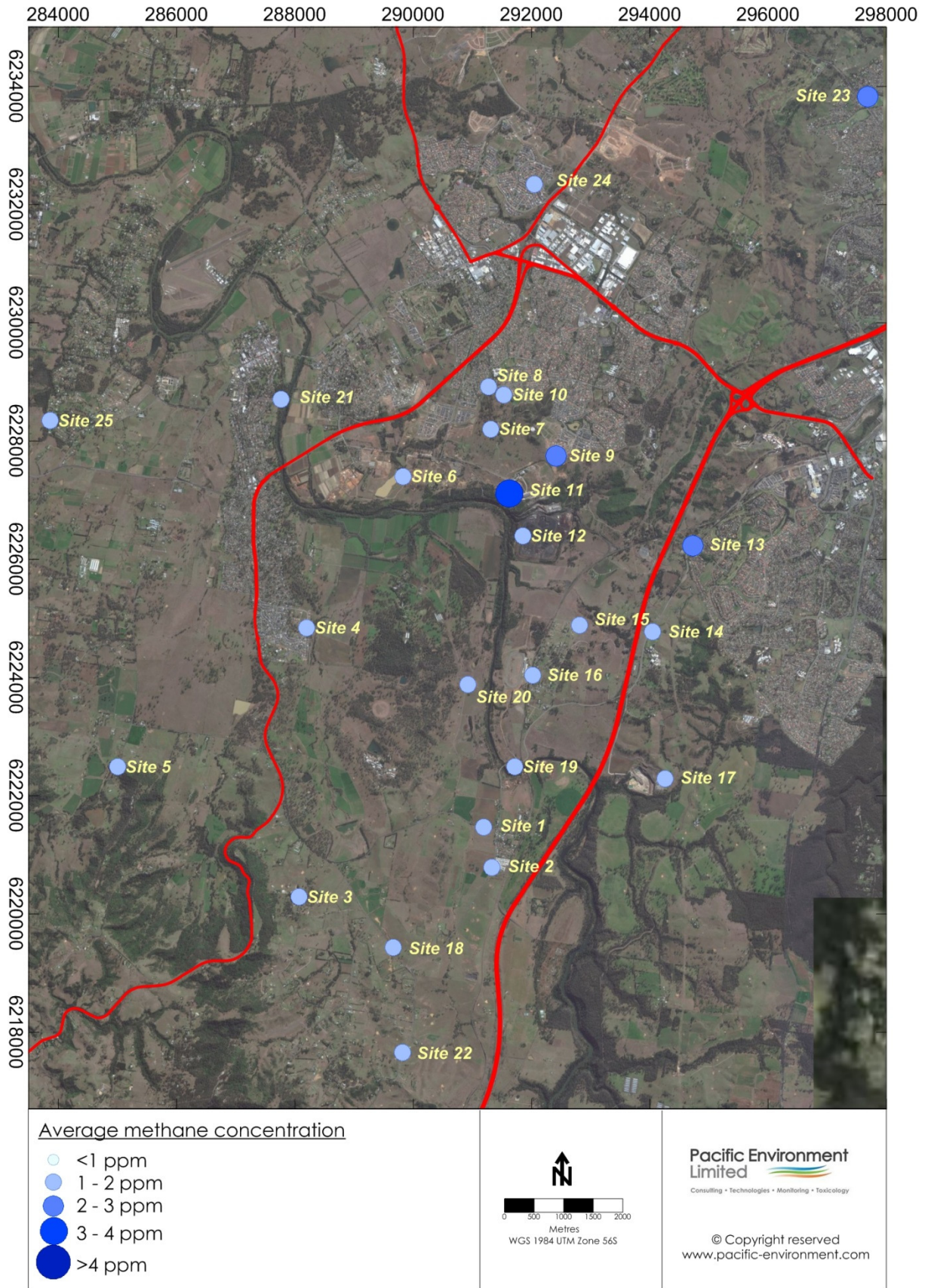


Figure B- 2: 15 minute average CH₄ concentration at monitoring locations – Week 2

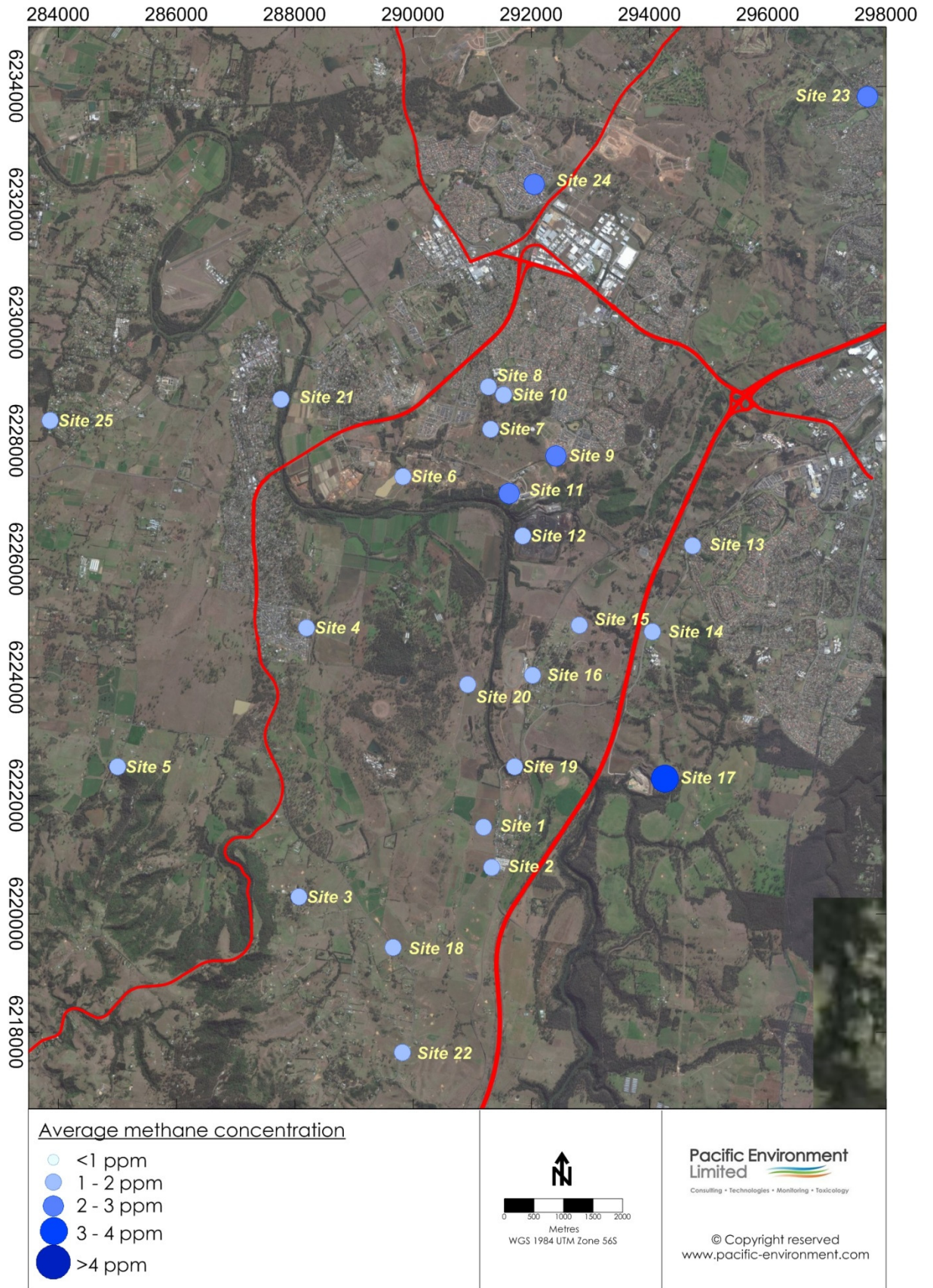


Figure B- 3: 15 minute average CH₄ concentration at monitoring locations – Week 3

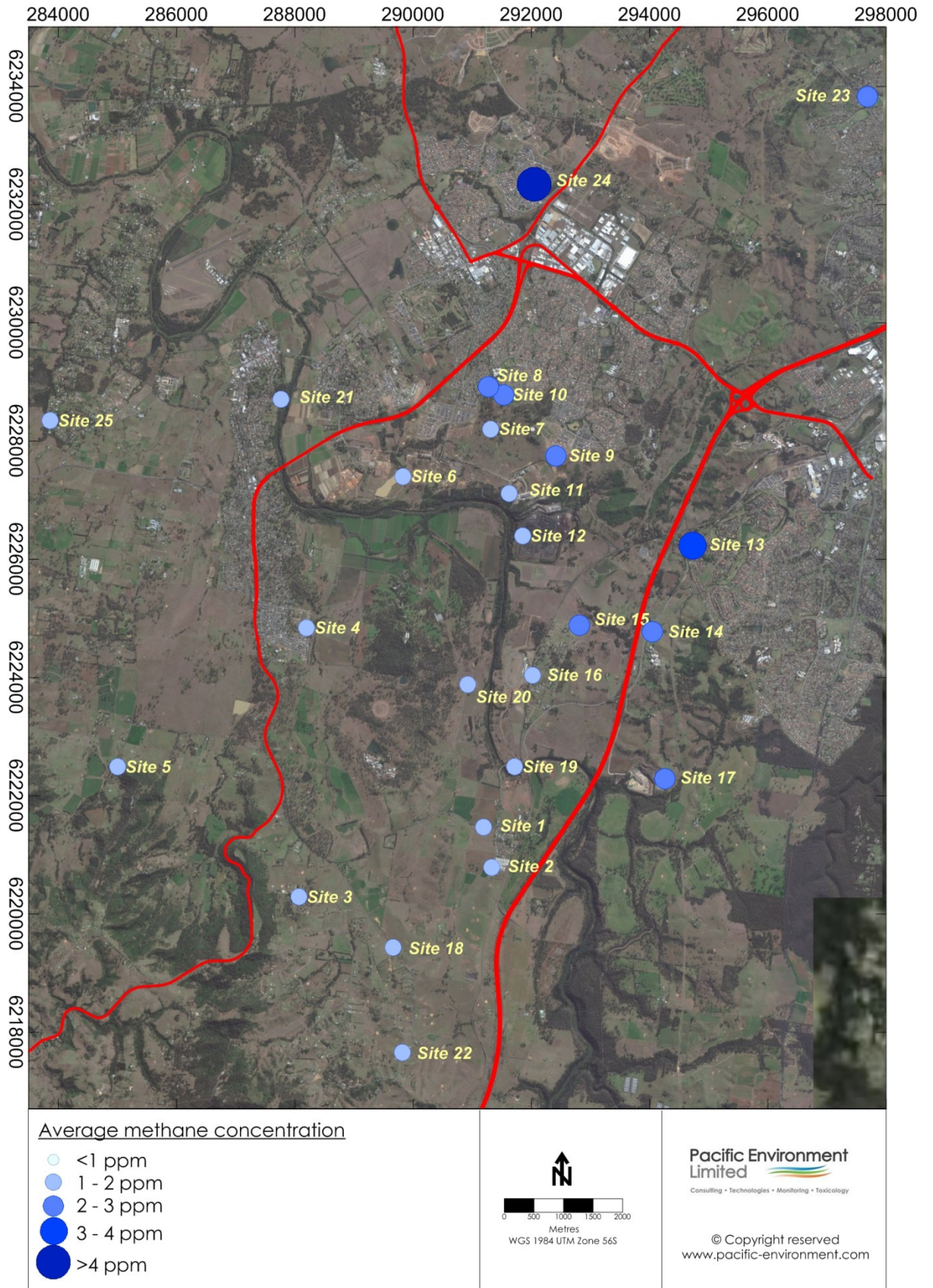


Figure B- 4: 15 minute average CH₄ concentration at monitoring locations – Week 4

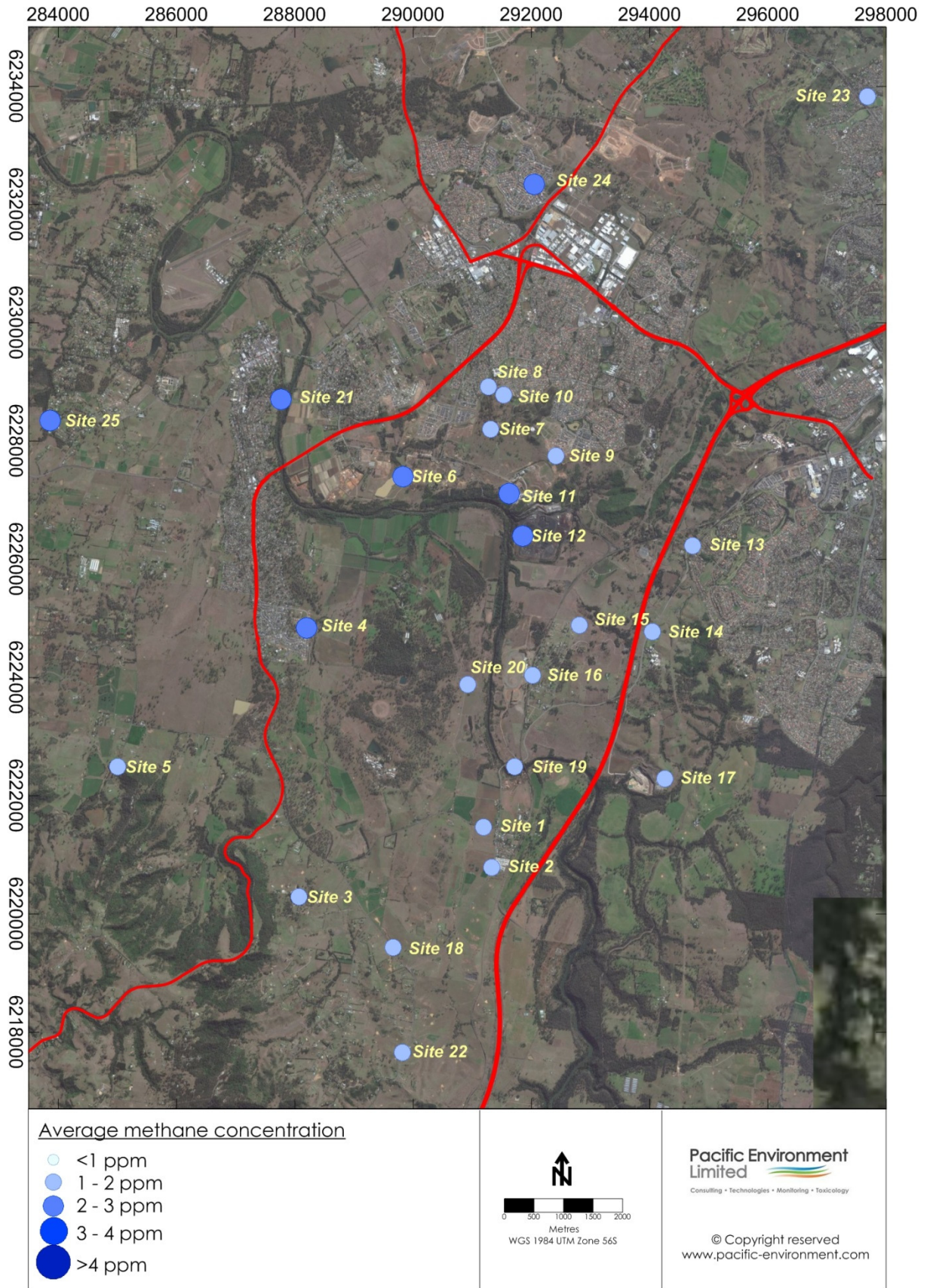


Figure B- 5: 15 minute average CH₄ concentration at monitoring locations – Week 5

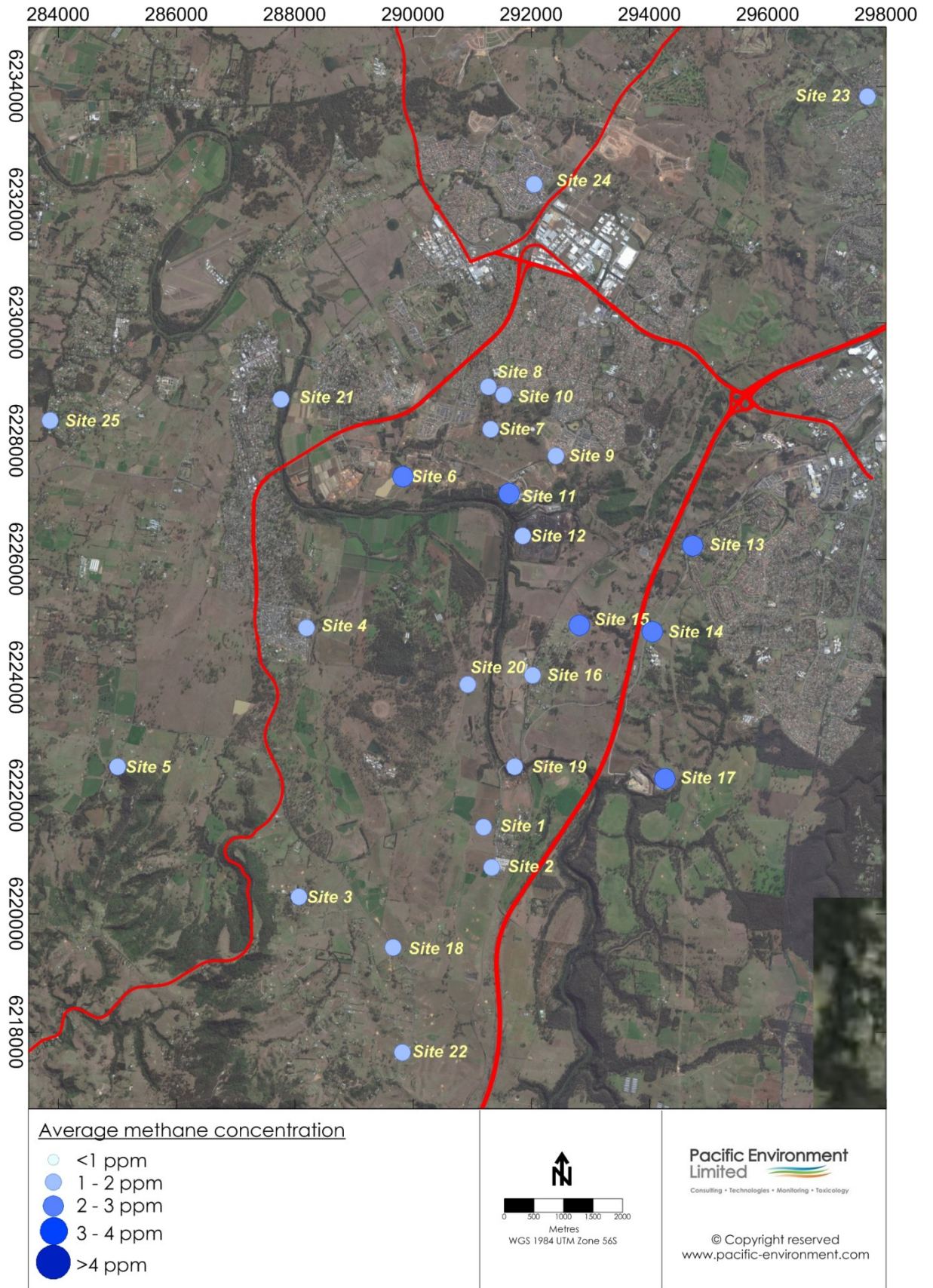


Figure B- 6: 15 minute average CH₄ concentration at monitoring locations – Week 6

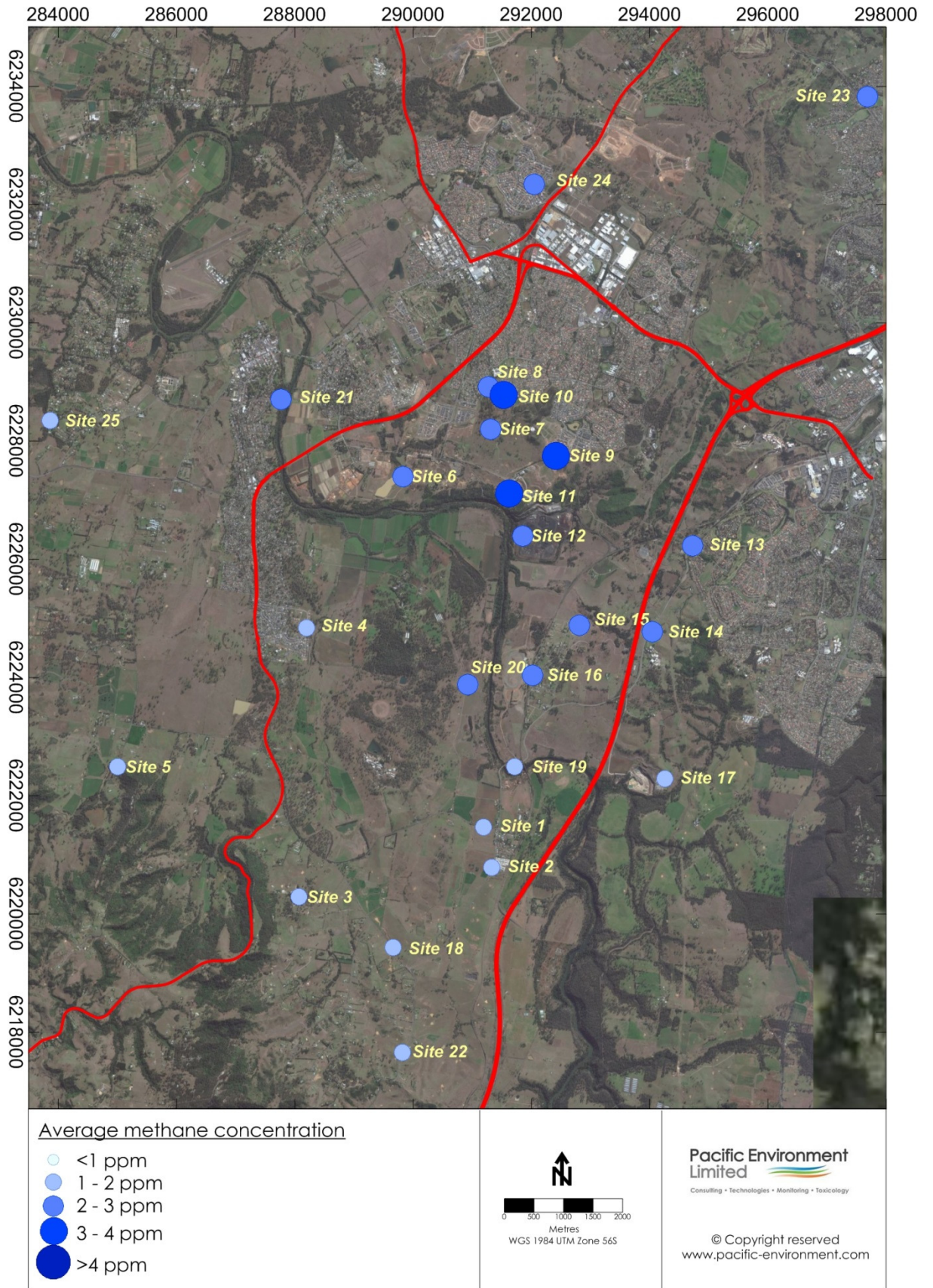


Figure B- 7: 15 minute average CH₄ concentration at monitoring locations – Week 7

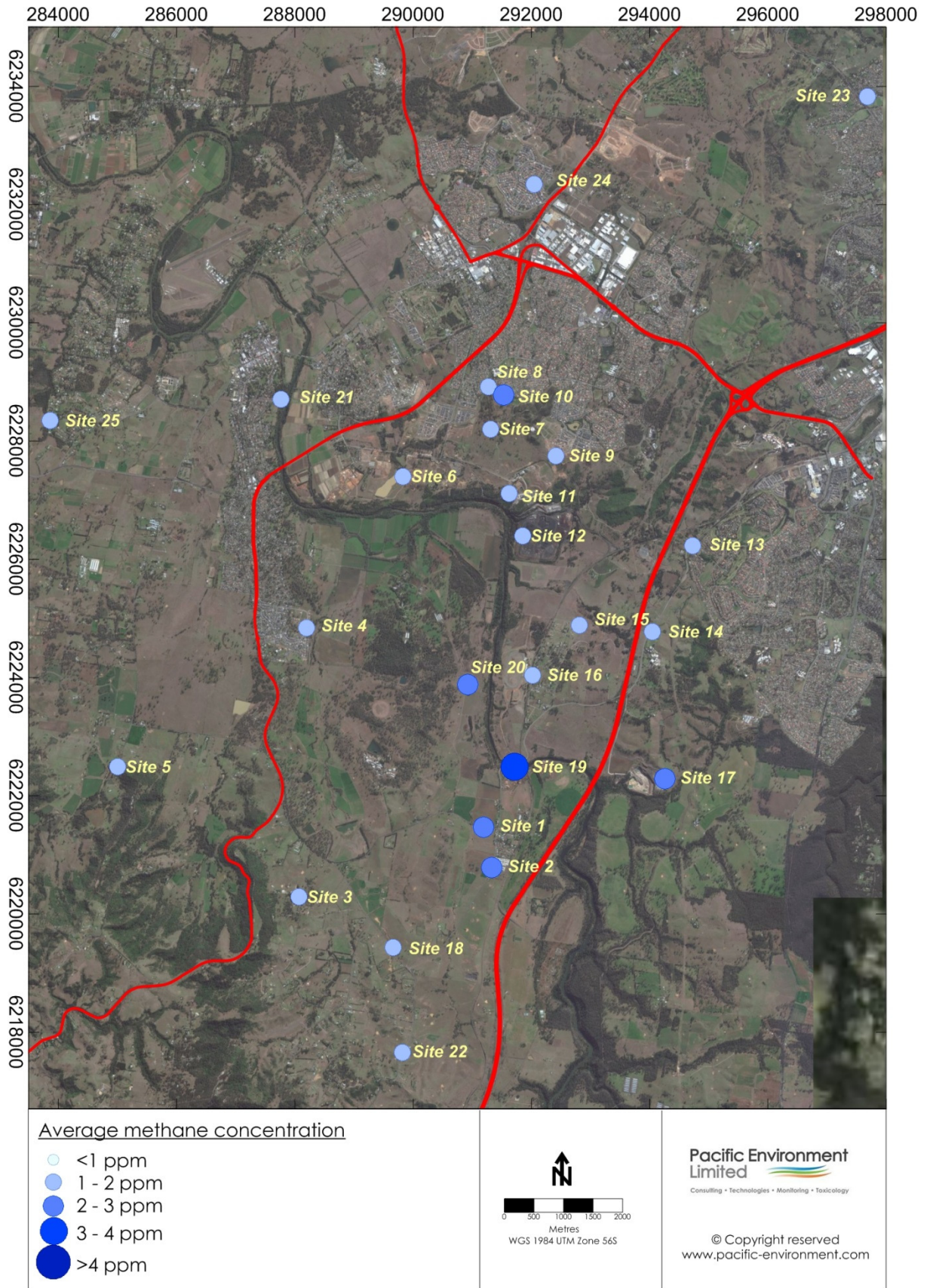


Figure B- 8: 15 minute average CH₄ concentration at monitoring locations – Week 8

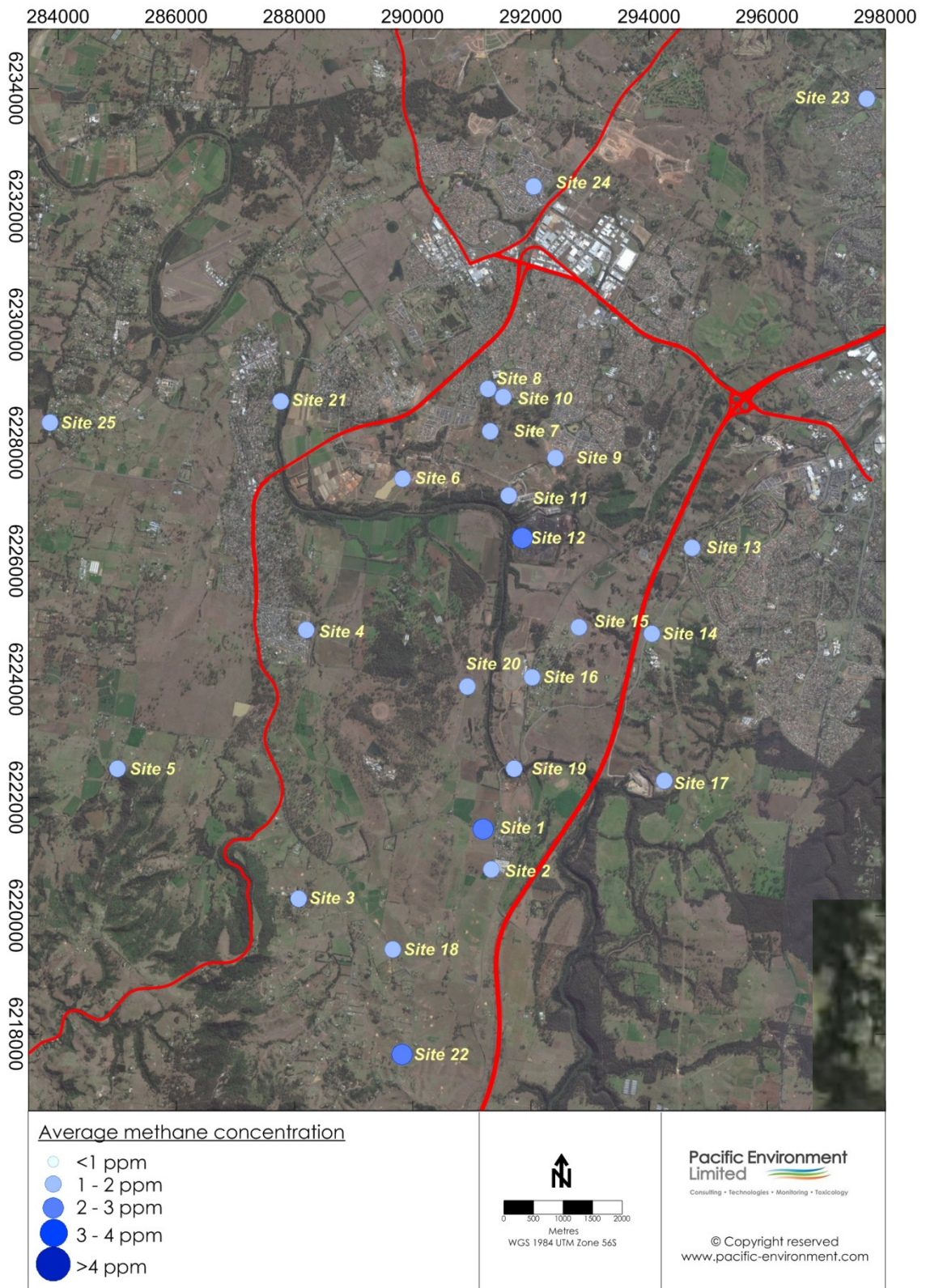


Figure B- 9: 15 minute average CH₄ concentration at monitoring locations – Week 9

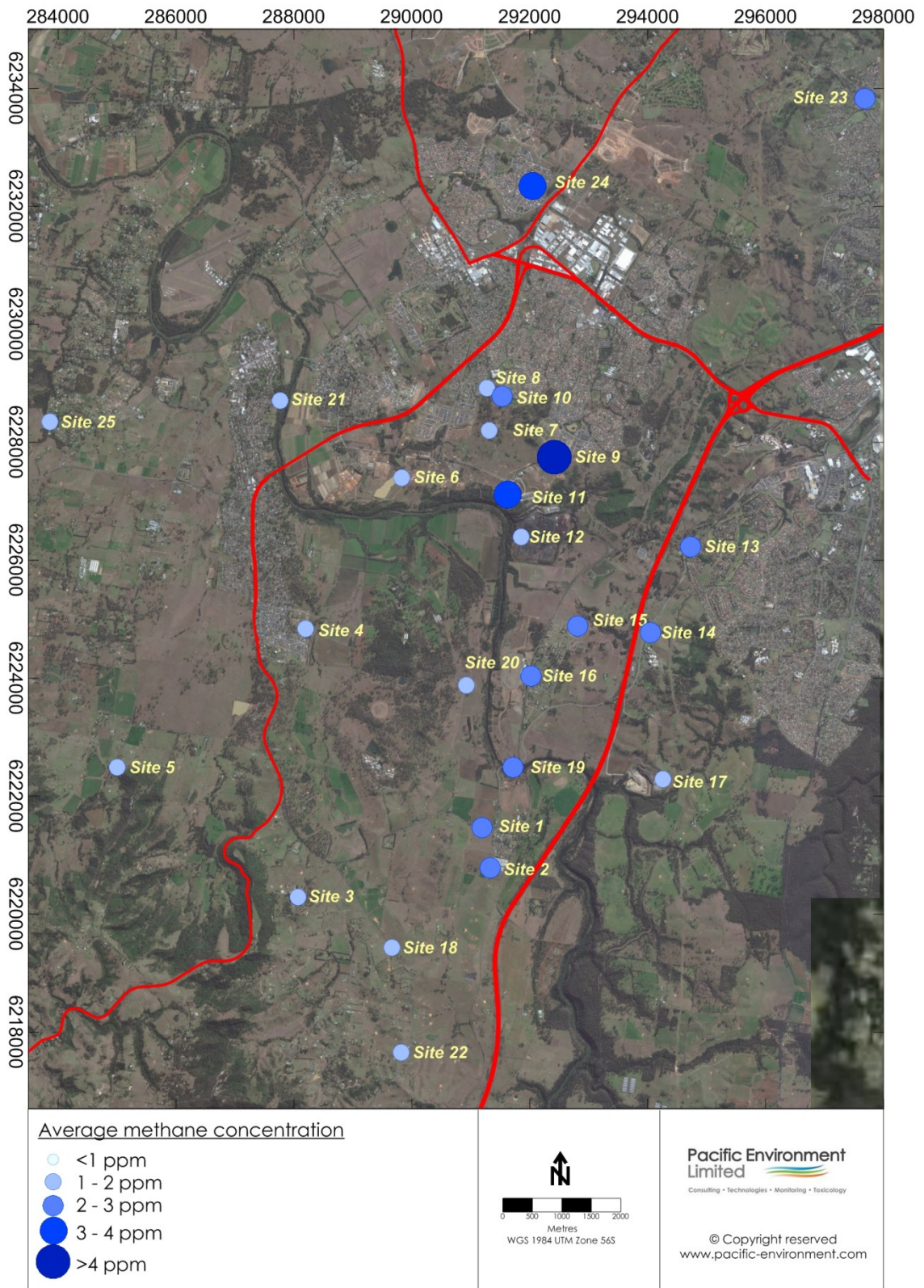


Figure B- 10: 15 minute average CH₄ concentration at monitoring locations – Week 10

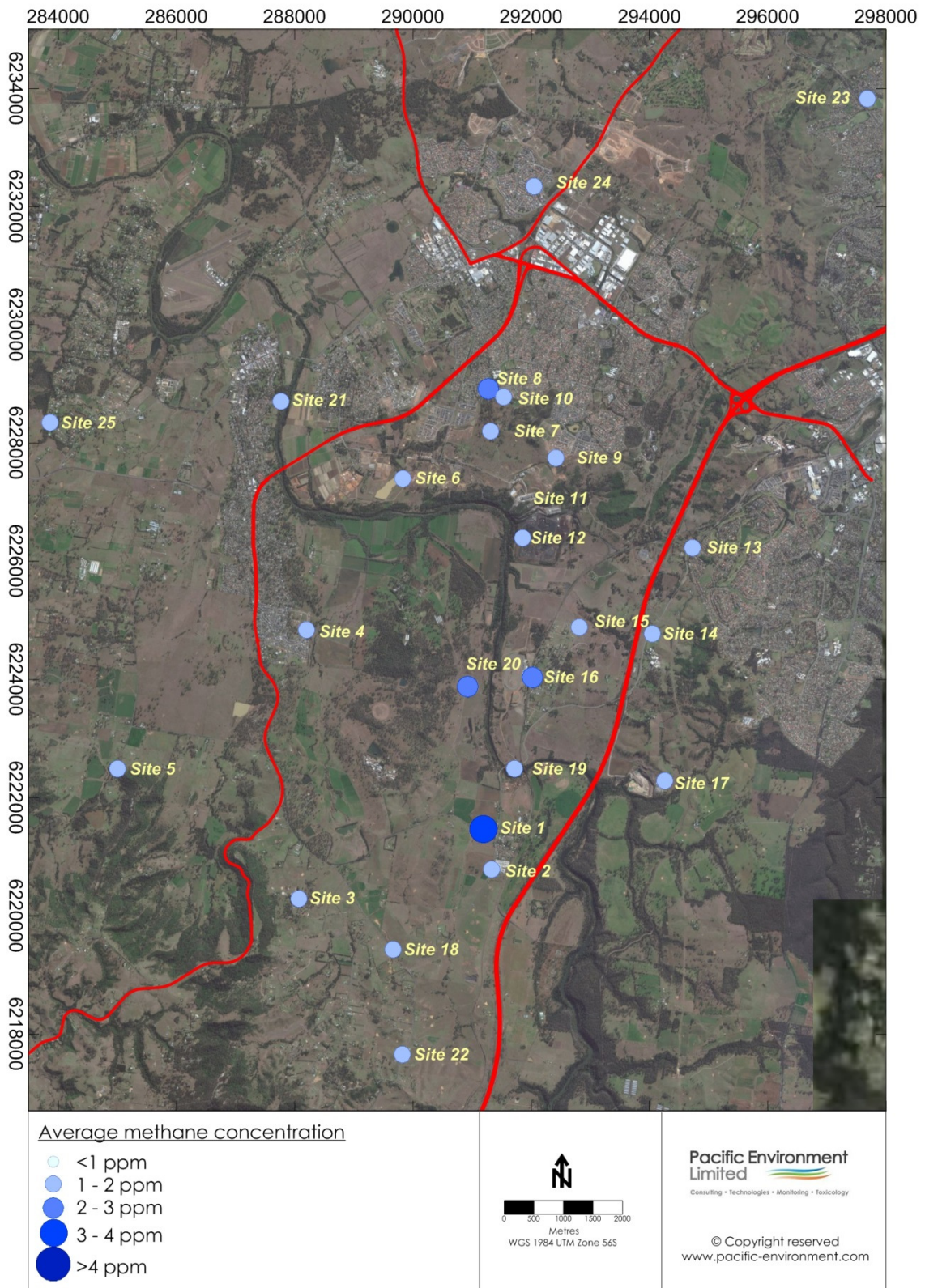


Figure B- 11: 15 minute average CH₄ concentration at monitoring locations – Week 11

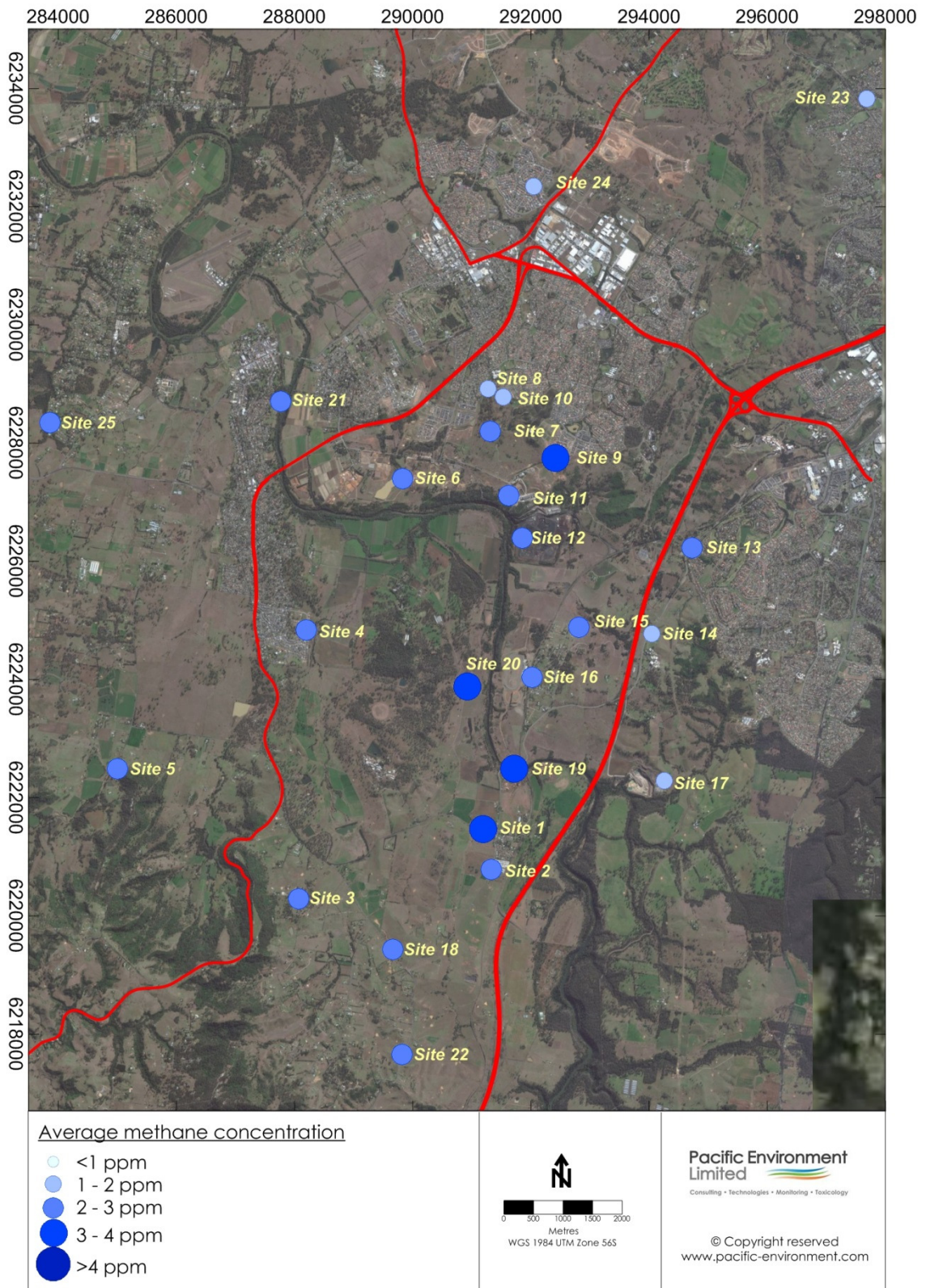


Figure B- 12: 15 minute average CH₄ concentration at monitoring locations – Week 12

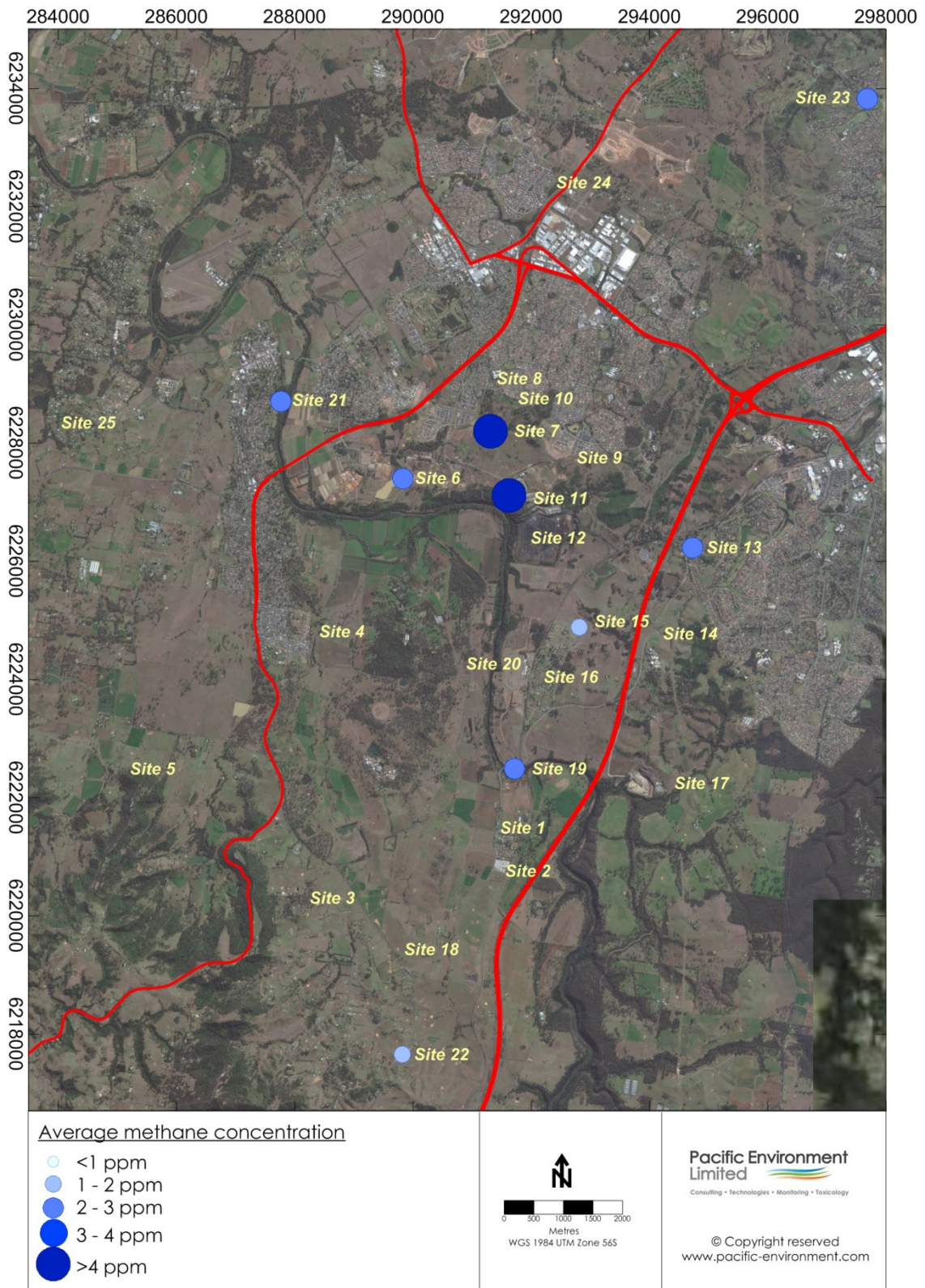


Figure B- 13: 15 minute average CH₄ concentration at monitoring locations – Week 11 Night Monitoring