

**Gas Monitoring Data**

**BAE Systems Environmental**

Sample Reference	date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	Baro. press.	Rel. press.	Flow	CO	H2S	GW	Base	Column	Solids
		(% v/v)	(% v/v)	(% v/v)	(mbar)	(mbar)	(l/hr)	ppm	ppm	m.bgl	m.bgl	m	content
ASPA	31-Aug-05	--	--	--	--	--	--	--	--	--	--	6.4	Low
ASPC	31-Aug-05	--	--	--	--	--	--	--	--	--	--	4.15	Low
ASPD	18-Aug-05	--	--	--	--	--	--	--	--	1.33	9.15	8	Med
BH1027	01-Sep-05	0	0	20.3	1007	+ 1.8	0.2	0	0	1.8	8.8	7	Low
BH1027	22-Sep-05	0	0	20.4	1009	-0.42	0	0	0	1.94	8.79	6.85	Low
BH1046	08-Sep-05	0	0.1	20.1	1004	+ 0.38	0.5	0	0	0.7	9.8	9.1	Med
BH1046	04-Oct-05	0	0	20.4	1021	- 0.12	0	0	0	0.6	9.98	9.4	V. Low
BH1050	28-Sep-05	0	0.5	19.9	996	-0.02	0	0	0	1.3	1.72	--	--
BH1074D	23-Aug-05	0	0.6	19.6	1012	+ 1.27	0.1 (pk 5.3)	0	0	0.93	4.13	3.2	High
BH1074D	20-Sep-05	0	0.1	20.4	1009	- 6.66	0.1 (pk 0.4)	0	0	0.87	4.04	3.17	High
BH1074S	23-Aug-05	0	0.2	20.3	1012	+ 1.27	-0.1 (pk -0.4)	0	0	0.85	11.9	11.05	Low
BH1074S	20-Sep-05	0	0.1	20.4	1009	+ 0.58	0	0	0	0.8	11.68	10.88	Low
BH1089	23-Aug-05	0	1.5	19.5	1014	-0.84	0 (pk 0.1)	0 (pk 1)	--	2.43	5.66	3.23	High
BH1089	22-Sep-05	0	2.8	18.5	1014	- 0.19	0 (pk 0.2)	0	0	2.39	5.61	3.22	High
BH1108	08-Sep-05	0	0	20.3	1004	- 0.91	1.3	0	0	0.6	2.6	2	Low
BH1108	22-Sep-05	0	0	18.4	1016	- 0.42	0	0	0	0.84	2.85	2	V. high
BH1134	01-Sep-05	0	0.1	20.1	1007	- 0.8	0 (pk 1.7)	0	0	0.9	4.3	3.4	Med
BH1134	22-Sep-05	0	0.1	20.2	1010	+ 1.07	0 (pk 0.3)	0	0	0.85	4.71	3.86	High
BH1167	01-Sep-05	0	0	20.4	1004	+ 0.06	0	0	0	1.21	4.5	3.3	High
BH1167	28-Sep-05	0	0	20.2	995	- 0.11	0	0	0	1.08	4.5	3.42	High
BH1194D	25-Aug-05	0	0.1	20.1	991	- 0.42	-0.1	0	0	0.83	8.76	7.93	Med
BH1194D	20-Sep-05	0	0	20.4	1009	-0.85	0	0	0	0.83	8.44	7.61	Med
BH1194S	25-Aug-05	0	0.2	20	991	-0.42	0	0	0	0.48	14.3	13.8	High
BH1194S	20-Sep-05	0	0.1	20.5	1009	+ 0.65	0	0	0	0.5	14.15	13.65	High
BH1219	25-Aug-05	0	0.1	20.4	989	+ 0.06	0	0	0	1.4	4.22	2.82	High
BH1219	22-Sep-05	0	0.1	20.3	1011	+ 0.84	0 (pk 0.3)	0	0	1.52	4.29	2.77	High
BH1231	23-Aug-05	0	0.1	20.2	1013	- 0.44	0.1 (pk 1.1)	0	0	1.92	10.2	8.28	Med
BH1231	22-Sep-05	0	0.1	20.4	1015	+ 0.97	0	0	0	1.52	9.89	8.23	Med
BH1242	25-Aug-05	0	0.1	20.4	989	+ 1.64	0 (pk -0.1)	0	0	1.06	4.28	3.22	Med
BH1242	22-Sep-05	0	0.1	20.4	1012	+ 1.32	0	0	0	1.02	4.78	3.76	Low
BH1258	30-Aug-05	0 (pk 0.1)	0	20.3	1014	+ 0.71	0	0 (pk 2)	0	0.92	7.3	6.38	Med
BH1258	29-Sep-05	0.9	0.3	20.1	993	+ 0.52	0 (pk 0.3)	0	0	1.03	7.15	6.12	Med
BH1271	30-Aug-05	0	0.2	20.3	1015	- 0.39	0	0	0	0.48	6.62	6.14	High
BH1271	29-Sep-05	0	0.1	20.3	993	+ 1.21	-1 (pk -1.8)	0 (pk 1)	0	0.26	6.43	6.17	Med
BH1297	01-Sep-05	0	0.1	20.3	1005	+ 1.22	0	0	0	1.08	3.97	2.9	Med
BH1297	28-Sep-05	0	0.1	20.2	996	+ 0.29	0	0	0	0.64	3.88	3.24	Low

**Gas Monitoring Data**

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Sample Reference	date	CH <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>	Baro. press.	Rel. press.	Flow	CO	H2S	GW	Base	Column	Solids
		(% v/v)	(% v/v)	(% v/v)	(mbar)	(mbar)	(l/hr)	ppm	ppm	m.bgl	m.bgl	m	content
BH1306	25-Aug-05	0	0.2	20.4	989	+ 2.09	0.1 (pk 0.5)	0	0	0.8	4.59	3.8	Med
BH1306	22-Sep-05	0	0.1	20.5	1012	+ 0.42	-0.1	0	0	1.44	4.58	3.14	Low
BH1349	01-Sep-05	0	0	20.1	1008	- 0.7	0	0	0	0.9	4.4	3.5	High
BH1349	22-Sep-05	0	0.1	20.3	1009	+ 0.28	0 (pk 0.1)	0	0	1.1	4.51	3.14	Low
BH1366	31-Aug-05	0.1	0.2	19.9	1016	- 0.67	0.2	0	0	1.4	4.4	3	Med
BH1366	28-Sep-05	0	0.1	20.2	994	+ 1.11	0	0	0	0.81	4.3	3.5	High
BH1375	31-Aug-05	0	0	20.2	1016	+ 0.47	0	0	0	0.7	6.7	6	Med
BH1375	28-Sep-05	0	0	20.5	994	- 0.16	0	0	0	0.32	7.36	7.04	V. High
BH1412	01-Sep-05	0	0	20.2	1005	- 0.94	0 (pk 0.7)	0	0	1.8	4.3	2.5	High
BH1412	28-Sep-05	0	0.1	20.5	994	+ 0.84	0 (pk 0.5)	0	0	1.38	4.38	3	High
BH1429	01-Sep-05	0	0	20	1006	- 7.4	0	0	0	1.3	4.9	3.6	High
BH1429	29-Sep-05	0	0.1	20.4	995	+ 1.27	0	0	0	1.3	5.02	3.7	High
BH1430	31-Aug-05	0	0.1	20.3	1016	- 0.38	0	0	0	0.3	3.7	3.4	High
BH1430	28-Sep-05	0.1	0.4	20.2	994	+ 1.46	0	0	0	0.57	3.72	3.15	High
BH1445	23-Aug-05	0	0	20.4	1014	-0.55	0.4 (pk 3.9)	0 (pk 4)	0	1.74	5.59	3.85	High
BH1445	22-Sep-05	0.1	0.2	20	1015	+ 0.75	0 (pk 0.3)	0	0	1.67	4.48	2.81	High
BH1451	23-Aug-05	0	0.1	20.4	1012	+ 0.63	0 (pk 0.8)	0	0	1.43	8.45	7.02	High
BH1451	20-Sep-05	0	0.1	20.4	1010	+ 1.69	0	0	0	1.28	8.45	7.17	High
BH1455	23-Aug-05	0	0.5	19.7	1012	- 0.23	0.1 (pk 0.3)	0	0	1.23	4.79	3.56	Med
BH1455	20-Sep-05	0	0.1	20.4	1010	- 0.1	0.1	0	0	1.09	4.78	3.69	Med
BH1495	18-Aug-05	0.4	0	20.5	1015	+ 1.34	0	0	0	1.65	5.15	3.5	Med
BH1495	22-Sep-05	0	0.2	20.2	1010	+ 0.93	0	0	0	1.22	4.79	3.57	High
BH1504	30-Aug-05	0 (pk 1.9)	0.6	19.7	1012	+ 2.21	0.2	0	0	2.11	4.31	2.2	High
BH1504	28-Sep-05	0	1.1	19.5	998	1.38	0 (pk 0.9)	0	0	1.03	4.38	3.35	High
BH1505	30-Aug-05	0	0	20.4	1010	+ 1.68	0	0	0	0.72	3.78	3.06	High
BH1505	28-Sep-05	0	0.1	20.4	998	1.4	0	0	0	0.47	3.63	3.16	High
BH1528	08-Sep-05	0	2.4	17.6	1001	- 1.2	0	0	0	2.1	3.6	1.5	Med
BH1528	04-Oct-05	0	2.7	17.4	1018	- 0.02	0	1	0	1.65	3.7	2.05	High
BH1530	18-Aug-05	0.4	0.5	18.9	1014	+ 0.03	0	0	0	1.3	10	8.7	Med
BH1530	22-Sep-05	0	0.5	18.8	1009	+ 0.81	0	0	0	0.88	9.58	8.7	Med
BH1531	18-Aug-05	0.4	0.2	20	1012	+ 0.26	0	1	0	6.82	15.6	8.78	Low
BH1531	22-Sep-05	0	0.2	20.3	1006	-0.26	0	0	0	1.8	15.1	13.3	V Low
BH1532	25-Aug-05	0	0.1	20.5	989	+ 2.49	0	0	0	0.51	4.75	4.24	Med
BH1532	22-Sep-05	0	0	20.4	1011	+ 1.24	0	0	0	0.66	5.04	4.38	Med
BH1621D	23-Aug-05	0	0.2	19.6	1014	- 0.74	0 (pk 0.3)	0 (pk 0.3)	0 (pk 1)	1.63	5.45	3.82	Med
BH1621D	20-Sep-05	0	0.5	20.1	1010	- 0.02	-0.1 (pk 2.5)	0	0	1.1	1.47	4	Med

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		(% v/v)	(% v/v)	(% v/v)	(mbar)	(mbar)	(l/hr)	ppm	ppm	m.bgl	m.bgl	m	content
BH1621S	23-Aug-05	0	0.2	19.7	1014	-0.74	0 (pk 0.1)	0	0	1.67	13.82	12.15	High
BH1621S	20-Sep-05	0	0.1	20.3	1010	-0.02	0	0	0	5.12	13.67	12.2	Med
BH1622	25-Aug-05	0	0	20.5	989	+0.39	0	0	0	0.86	9.3	8.44	Low
BH1622	22-Sep-05	0	0	20.4	1011	-0.13	0	0	0	0.9	9.28	8.38	Low
BH1623	25-Aug-05	0	0	20.3	992	0.18	0	0	0	0.92	4.6	3.68	Low
BH1623	29-Sep-05	0	0.1	20.4	994	+0.08	0.2 (pk 0.6)	0	0	0.35	4.5	4.15	High
BH1624	30-Aug-05	0	0	20.4	1012	+0.43	0	0	0	1.49	4.1	2.6	Med
BH1624	28-Sep-05	0	0.1	20.4	998	+1.26	0	0	0	1.17	4.09	2.92	Med
ESGA	11-Aug-05	6.4	6	3.6	1012	-0.07	0.5 (pk 1.0)	0	0	1.87	10.57	8.7	High
ESGB	31-Aug-05	0	0.3	20.2	1016	+0.5	0.45	0	0	0.45	8.4	8	High
ESGC	31-Aug-05	0	10.2	1.8	1016	+0.15	0.03	0	0	0.6	8.9	3.3	Med
ESGD	11-Aug-05	0.4	4.2	15.9	1011	+0.58	0.1	0	0	0.8	3.6	2.8	Med
ESGF	18-Aug-05	0	0.6	19.8	1010	-0.22	0	0	0	1.1	9.24	8.14	Med
ESGH	11-Aug-05	0.4	0.6	18.2	1013	-0.32	0 (pk 0.1)	1	0	2.08	7.88	5.8	High
ESGJ	31-Aug-05	0.3	0.7	19.7	1017	+0.29	0	0	0	1.2	7.3	6.1	High
GT06	30-Aug-05	0	4.8	15.6	1011	+0.01	0	0	0	1.54	9.68	8.14	High
GT08	08-Sep-05	0	6.1	13.2	1003	+0.88	0	0	0	1.7	9.4	7.7	Low
GT10	11-Aug-05	0.4	0.3	20.3	1013	-29.83	0.4 (pk 1.1)	0 (pk 13)	0	1.03	6.68	7.7	High
GT13	18-Aug-05	5.9	10.2	4.2	1010	+0.47	0 (pk 0.2)	0	0	1.13	9.56	8.43	High
GT16	18-Aug-05	0	3	18.2	1011	-0.15	0 (pk 0.1)	0	0	1.76	8.48	6.72	High
P1	30-Aug-05	0	0	20.5	1015	-0.38	0	0	0	1.4	5.7	4.3	High
P12	16-Aug-05	0.3	0.1	20.5	1015	+0.76	0	0	0	1.74	3.3	1.56	High
P13	16-Aug-05	0.3	0.1	20.5	1014	+0.32	0	0	0	2.3	8.56	5.26	High
P15	16-Aug-05	0.4	0.1	20.4	1015	0.27	0	0	0	3.34	5.52	2.18	Med
P18	16-Aug-05	0.3	0.1	20.5	1017	+0.24	0.1	0	0	1.59	4.95	3.4	High
P2	30-Aug-05	0	0.1	20.4	1016	-0.61	0 (pk 0.2)	0	0	2.24	8.53	6.3	Med
P21	11-Aug-05	0.4	0.1	20.4	1009	+0.22	0.5	0	0	2.2	3.6	1.4	High
P22	08-Sep-05	0	0.1	20	1004	-0.8	0	0	0	1.2	5.8	4.6	Low
P23	16-Aug-05	0.3	3.4	17.9	1017	1.76	0	0	0	1.88	2.58	0.7	Med
P24	16-Aug-05	-	-	-	-	-	-	-	-	1.29	2.3	1	Med
P4	16-Aug-05	0.3	0.1	20.5	1017	+0.8	0	0	0	1.22	7.09	6	High
P6	16-Aug-05	0.3	0.1	20.5	1017	+0.6	0 (pk 0.3)	0	0	1.68	6.45	4.77	High
P8	16-Aug-05	0.4	0.1	20.4	1016	+0.59	0	0	0	1.63	4.66	3	Clear

Gas Monitoring Data

BAE Systems Environmental

Sample Reference	date	Recharge	temp	cond	pH	redox	DO2
			C	uS/cm		mV	mg/l
ASPA	31-Aug-05		10.8	2062	7.2	393	3.53
ASPC	31-Aug-05		10.5	2319	7.6	449	4.13
ASPD	18-Aug-05		10.7	896	6.7	158	9.93
BH1027	01-Sep-05		11.2	473	7.5	336	1.3
BH1027	22-Sep-05		10.3	474	7.3	-8	4.13
BH1046	08-Sep-05		10.6	1186	8.1	414	3.52
BH1046	04-Oct-05		10.5	962	5.9	435	4.28
BH1050	28-Sep-05	dry, no samples					
BH1074D	23-Aug-05		13.4	536	6	524	13.06
BH1074D	20-Sep-05		12.4	476	7.6	158	16.34
BH1074S	23-Aug-05		12.6	468	6.5	650	15.4
BH1074S	20-Sep-05		10.8	458	7.4	247	39.33
BH1089	23-Aug-05		10.7	705	7	354	9.79
BH1089	22-Sep-05		11.8	656	7.5	570	3.98
BH1108	08-Sep-05		14.5	1328	7.4	311	3.23
BH1108	22-Sep-05		13.5	1256	7.6	216	3.34
BH1134	01-Sep-05		13.5	675	7.4	603	2.11
BH1134	22-Sep-05		12.7	875	7.1	283	3.8
BH1167	01-Sep-05		13.5	1413	9.9	225	1.59
BH1167	28-Sep-05		13	1211	9.6	-13	4.02
BH1194D	25-Aug-05		11.4	797	7.5	560	1.85
BH1194D	20-Sep-05		11.2	731	7.4	186	1.27
BH1194S	25-Aug-05		12	700	7.8	489	1.32
BH1194S	20-Sep-05		11.3	881	7.6	245	9.9
BH1219	25-Aug-05		13	1275	6.8	529	1.7
BH1219	22-Sep-05		12.3	1080	6.9	219	4.06
BH1231	23-Aug-05		12.3	1849	7.1	607	11.2
BH1231	22-Sep-05		12.1	799	7.5	61	2.59
BH1242	25-Aug-05		11.6	849	6.4	506	5.05
BH1242	22-Sep-05		12.2	883	6.5	441	4.86
BH1258	30-Aug-05		11.4	1430	6.7	590	0.19
BH1258	29-Sep-05		10.1	1385	7	-35	3.89
BH1271	30-Aug-05		10.3	5200	7	554	0
BH1271	29-Sep-05		9.8	4910	7.2	32	3.77
BH1297	01-Sep-05		12.1	2311	7.6	438	4.13
BH1297	28-Sep-05		11.9	2123	8.4	218	4.74

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Sample Reference	date	Recharge	temp	cond	pH	redox	DO2
			C	uS/cm		mV	mg/l
BH1306	25-Aug-05		12	1046	6	486	3.12
BH1306	22-Sep-05		12.3	1031	5.9	340	4.96
BH1349	01-Sep-05		13.3	873	7.3	588	3.36
BH1349	22-Sep-05		12.5	937	7.4	315	3.96
BH1366	31-Aug-05		14.4	540	7.2	414	2.63
BH1366	28-Sep-05		12.4	577	6.8	147	3.77
BH1375	31-Aug-05		14.7	974	8.2	590	1.54
BH1375	28-Sep-05		10.5	905	6.9	60	5.36
BH1412	01-Sep-05		13.2	405	7.6	480	3.15
BH1412	28-Sep-05		11.6	340	7	164	4.34
BH1429	01-Sep-05		12	940	7.1	422	1.52
BH1429	29-Sep-05		10	979	5.9	50	4.2
BH1430	31-Aug-05		13.6	1409	7.5	629	1.2
BH1430	28-Sep-05		12.4	609	6.5	41	6.45
BH1445	23-Aug-05		14.2	557	7.3	426	9.17
BH1445	22-Sep-05		13.2	504	7.7	523	4.15
BH1451	23-Aug-05		11.7	635	5.5	482	11.8
BH1451	20-Sep-05		11.8	620	6.4	33	2.77
BH1455	23-Aug-05		14.1	1243	6.5	676	11.36
BH1455	20-Sep-05		12.2	1146	6.6	65	5.05
BH1495	18-Aug-05		12.1	587	7.6	483	—
BH1495	22-Sep-05		12.1	616	7.2	352	4.49
BH1504	30-Aug-05		too silty	too silty	too silty	too silty	too silty
BH1504	28-Sep-05		12.7	1456	7.3	12	3.36
BH1505	30-Aug-05		14	too silty	7.4	620	too silty
BH1505	28-Sep-05		12.9	1190	6.9	29	3.8
BH1528	08-Sep-05		12.9	317	7.9	473	5.73
BH1528	04-Oct-05		12.3	312	5.3	326	5.04
BH1530	18-Aug-05		11.8	330	8.1	410	—
BH1530	22-Sep-05		11	334	7.9	407	5.01
BH1531	18-Aug-05		10.8	637	7.5	543	—
BH1531	22-Sep-05		10.6	626	7.5	424	3.9
BH1532	25-Aug-05		11.2	1930	6.8	503	3.8
BH1532	22-Sep-05		11.7	2126	6.8	452	5.32
BH1621D	23-Aug-05		12.9	2302	7	433	10.21
BH1621D	20-Sep-05		12.5	1628	7	233	6.21

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Sample Reference	date	Recharge	temp	cond	pH	redox	DO2
			C	uS/cm		mV	mg/l
BH1621S	23-Aug-05		12.9	9120	6.8	372	11.11
BH1621S	20-Sep-05		11.3	8860	6.8	305	82.47
BH1622	25-Aug-05		10.3	537	7.2	485	0.95
BH1622	22-Sep-05		10.3	501	7.4	389	3.91
BH1623	25-Aug-05		12.8	402	7.6	496	5.02
BH1623	29-Sep-05		11.6	533	6.7	113	5.67
BH1624	30-Aug-05		12.5	7490	5.8	508	2.86
BH1624	28-Sep-05		12.1	898	7.9	141	4.88
ESGA	11-Aug-05		10.4	1610	5.8	34	_
ESGB	31-Aug-05		10.6	1290	7.5	411	1.31
ESGC	31-Aug-05		10.6	924	7.2	244	4.3
ESGD	11-Aug-05		14.2	241	5.1	613	_
ESGF	18-Aug-05		12.1	575	6.6	539	9.52
ESGH	11-Aug-05		14.4	915	7.5	185	_
ESGJ	31-Aug-05		11.5	1942	7.4	432	1.43
GT06	30-Aug-05		too silty	too silty	too silty	too silty	too silty
GT08	08-Sep-05		14.1	1248	5	559	1.99
GT10	11-Aug-05		10.8	420	6.9	-45	_
GT13	18-Aug-05		12.4	4570	7.1	355	4.09
GT16	18-Aug-05		10.8	8.02	7.4	283	4.19
P1	30-Aug-05		11.8	761	6.9	609	0.21
P12	16-Aug-05		12.8	362	6.7	130	_
P13	16-Aug-05		10.4	522	7.1	325	_
P15	16-Aug-05		12.7	653	7.6	406	_
P18	16-Aug-05		13.4	787	7.2	432	_
P2	30-Aug-05		11	7860	7.1	639	1.26
P21	11-Aug-05		14.6	497	5.8	520	_
P22	08-Sep-05		15.1	1325	6.2	271	1.65
P23	16-Aug-05		13.5	222	7.8	410	_
P24	16-Aug-05		13	293	7.7	495	_
P4	16-Aug-05		10.2	1452	7.6	176	_
P6	16-Aug-05		10.5	402	7.5	324	_
P8	16-Aug-05		10.5	370	7.2	392	_