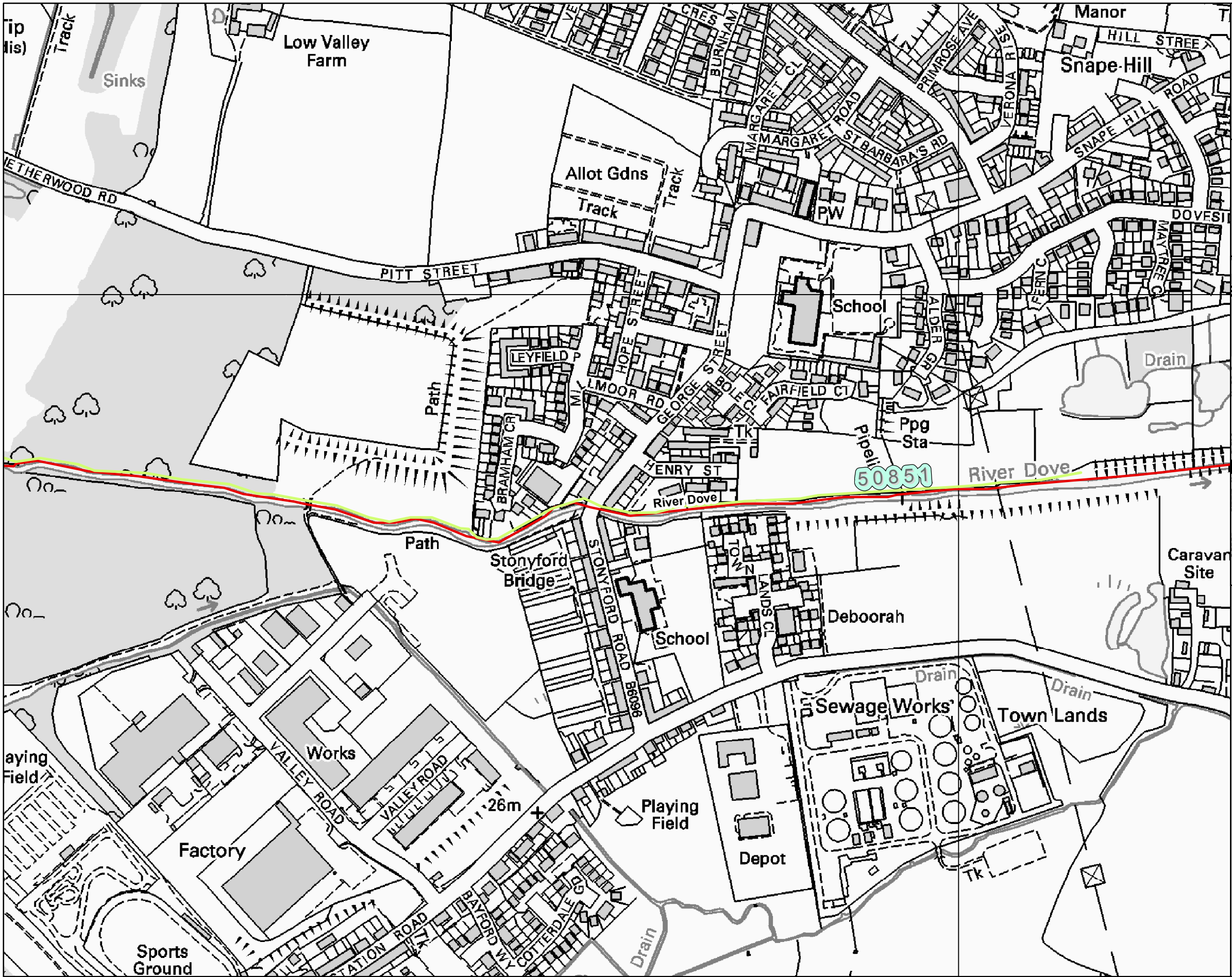


Asset Defence Map for 66 George Street, Wombwell, Barnsley
Date Created: 28/07/16 RFI: 18043



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LEGEND

Defences

- NATURAL GROUND
- Main River

Flood History Information

RFI: 18043

Name	Start Date	End Date	Source of Flooding	Cause of Flooding	Source of Boundary
June 2007 Flood Event (Ridings Area)	25/06/2007	26/06/2007	Unknown	Unknown	Unknown
June 2007 Flood Event (Ridings Area)	25/06/2007	26/06/2007	Unknown	Unknown	Aerial Photography
123 March 1947	19/03/1947	22/03/1947	Main River	Channel Capacity Exceeded (No Raised Defences)	Agency Survey
123 March 1947	19/03/1947	22/03/1947	Main River	Channel Capacity Exceeded (No Raised Defences)	Agency Survey
123 March 1947	19/03/1947	22/03/1947	Main River	Channel Capacity Exceeded (No Raised Defences)	Agency Survey
123 March 1947	19/03/1947	22/03/1947	Main River	Channel Capacity Exceeded (No Raised Defences)	Agency Survey
123 Autumn 2000	06/11/2000	04/12/2000	Main River	Unknown	Aerial Photography
123 Autumn 2000	06/11/2000	04/12/2000	Main River	Unknown	Other
123 March 1947	19/03/1947	22/03/1947	Main River	Channel Capacity Exceeded (No Raised Defences)	Agency Survey
123 Autumn 2000	06/11/2000	04/12/2000	Main River	Unknown	Aerial Photography
123 Autumn 2000	06/11/2000	04/12/2000	Main River	Unknown	Aerial Photography
June 2007 Surface Water Flooding Yorkshire	15/06/2007	25/06/2007	Other	Unknown	Aerial Photography

Use of Environment Agency Information for Flood Risk / Flood Consequence Assessments

Important

If you have requested this information to help inform a development proposal, then we recommend that you undertake a formal pre-application enquiry using the form available from our website:-

<http://www.environment-agency.gov.uk/research/planning/33580.aspx>

Depending on the enquiry, we may also provide advice on other issues related to our responsibilities including flooding, waste, land contamination, water quality, biodiversity, navigation, pollution, water resources, foul drainage or Environmental Impact Assessment.

In **England**, you should refer to the Environment Agency's Flood Risk Standing Advice, the technical guidance to the National Planning Policy Framework and the existing PPS25 Practice Guide for information about what flood risk assessment is needed for new development in the different Flood Zones. These documents can be accessed via:

<http://www.environment-agency.gov.uk/research/planning/82587.aspx>

<http://www.communities.gov.uk/publications/planningandbuilding/nppftechnicalguidance>

<http://www.communities.gov.uk/publications/planningandbuilding/pps25guideupdate>

You should also consult the Strategic Flood Risk Assessment produced by your local planning authority.

In **Wales**, you should refer to TAN15 for information about what flood consequence assessment is needed for new development in the different flood zones

<http://new.wales.gov.uk/splash.jsessionid=8ylGTfGZthmB0t2vhp6hS1GcB1LXvZzB3Ylczf20Xn7LK3zK0nMk!981825250?orig=/topics/planning/policy/tans/tan15/>

You should also consult the Strategic Flood Consequence Assessment if one has been produced by your local planning authority.

In both **England and Wales** you should note that:

1. Information supplied by the Environment Agency may be used to assist in producing a Flood Risk / Consequence Assessment (FRA / FCA) where one is required, but does not constitute such an assessment on its own.
2. This information covers flood risk from main rivers and the sea, and you will need to consider other potential sources of flooding, such as groundwater or overland runoff. The information produced by the local planning authority referred to above may assist here.
3. Where a planning application requires a FRA / FCA and this is not submitted or deficient, the Environment Agency may well raise an objection.
4. For more significant proposals in higher flood risk areas, we would be pleased to discuss details with you ahead of making any planning application, and you should also discuss the matter with your local planning authority.

River Dove Model -
Appendix C - Model Results

Appendix C.1 - Modelled Design Levels and Flows (Do Minimum)

XS	50% AEP / QMED		20% AEP / 5-year		10% AEP / 10-year		4% AEP / 25-year		2% AEP / 50-year		1.33% AEP / 75-year		1% AEP / 100-year	
	Level	Flow	Level	Flow	Level	Flow	Level	Flow	Level	Flow	Level	Flow	Level	Flow
<i>River Dove and Bulling Dike</i>														
DOVE01 3790	37.252	15.168	37.457	20.459	37.441	24.079	37.724	29.077	37.789	33.158	37.836	35.758	37.857	37.669
DOVE01 3789u	37.252	15.168	37.456	20.614	37.44	24.079	37.723	29.372	37.789	33.25	37.834	35.759	37.855	37.668
DOVE01 3789d	37.187	15.168	37.335	20.614	37.276	24.079	37.475	29.372	37.532	33.25	37.462	35.759	37.508	37.668
DOVE01 3722u	37.167	15.168	37.298	22.05	37.221	24.079	37.4	31.111	37.448	33.844	37.352	35.76	37.39	37.671
DOVE01 3722d	37.111	15.168	37.155	22.05	37.109	24.079	37.131	31.111	37.147	33.844	37.105	35.76	37.107	37.671
DOVE01 3630	34.679	15.168	35.011	34.507	35.069	24.077	35.391	46.155	35.509	46.898	35.586	36.716	35.668	39.419
DOVE01 3490u	34.54	15.165	34.993	22.814	35.049	23.751	35.344	30.22	35.517	33.935	35.599	35.616	35.683	37.518
DOVE01 3471d	33.698	15.165	33.977	22.814	34.012	23.751	34.196	30.22	34.303	33.935	34.35	35.616	34.399	37.518
DOVE01 3463u	33.642	15.187	33.923	22.904	33.959	23.779	34.144	29.967	34.25	33.897	34.299	35.651	34.348	37.555
DOVE01 3463d	33.431	15.187	33.773	22.904	33.816	23.779	33.953	29.967	34.039	33.897	34.079	35.651	34.122	37.555
DOVE01 3351l	32.864	15.207	33.162	22.351	33.206	23.807	33.373	30.545	33.474	34.063	33.529	35.683	33.58	37.589
DOVE01 3236l	32.186	15.206	32.301	22.29	32.38	23.805	32.75	30.814	32.949	34.054	33.045	35.681	33.117	37.589
DOVE01 3171	31.773	15.206	32.086	22.284	32.188	23.804	32.629	30.358	32.852	34.155	32.951	35.682	33.026	37.589
DOVE01 3123u	31.501	15.228	31.902	21.766	32.014	23.832	32.536	29.661	32.778	33.677	32.876	35.719	32.953	37.625
DOVE01 3123d	31.452	15.228	31.744	21.766	31.844	23.832	32.059	29.661	32.189	33.677	32.265	35.719	32.327	37.625
DOVE01 3028	31	15.251	31.238	21.536	31.327	23.859	31.498	29.774	31.602	33.509	31.662	35.752	31.713	37.66
DOVE01 2814	30.433	15.272	30.698	21.681	30.8	23.883	30.912	29.92	30.942	33.558	30.959	35.792	30.973	37.699
DOVE01 2585	29.915	15.292	30.123	21.7	30.204	23.91	30.385	29.924	30.463	33.613	30.509	35.816	30.545	37.723
DOVE01 2407u	29.571	15.062	29.76	20.356	29.874	22.688	30.152	29.513	30.279	33.342	30.344	35.617	30.394	37.526
DOVE01 2339u	29.155	15.063	29.502	20.285	29.625	22.232	29.92	25.488	30.061	26.343	30.134	26.957	30.195	27.225
DOVE01 2339d	29.155	15.063	29.502	20.285	29.625	22.232	29.92	25.488	30.061	26.343	30.134	26.957	30.195	27.225
DOVE01 2148	28.563	14.801	28.938	20.21	29.097	22.5	29.585	29.376	29.79	33.198	29.884	35.47	29.962	37.411
DOVE01 2021	28.169	14.815	28.589	20.297	28.761	22.505	29.343	29.392	29.565	33.178	29.661	35.481	29.74	37.43
DOVE01 1981u	28.099	14.814	28.53	20.21	28.707	22.503	29.304	29.376	29.527	33.169	29.623	35.223	29.705	36.589
DOVE01 1975d	27.991	14.814	28.31	20.21	28.434	22.503	28.797	29.376	28.955	33.169	29.038	35.223	29.093	36.589
DOVE01 1799	27.396	14.827	27.693	20.237	27.806	22.514	28.128	29.384	28.262	33.199	28.329	35.24	28.374	36.608
DOVE01 1644u	26.757	14.843	27.025	20.245	27.124	22.53	27.438	29.399	27.613	33.212	27.701	35.256	27.756	36.63
DOVE01 1644d	26.75	14.843	26.955	20.245	27.014	22.53	27.155	29.399	27.225	33.212	27.262	35.256	27.285	36.63
DOVE01 1524	26.462	14.414	26.667	17.305	26.727	17.764	26.881	18.27	26.951	18.525	26.988	18.703	27.011	18.805
DOVE01 1450	26.309	14.13	26.553	16.714	26.62	17.258	26.784	17.824	26.854	18.736	26.891	19.245	26.914	19.513
DOVE01 1420l	26.229	13.175	26.491	15.472	26.563	16.063	26.733	17.708	26.805	18.65	26.842	19.158	26.866	19.478
DOVE01 1390l	26.156	13.175	26.422	15.472	26.496	16.064	26.672	17.707	26.745	18.65	26.783	19.155	26.807	19.477
DOVE01 1360l	26.048	13.174	26.304	15.474	26.371	16.063	26.542	17.707	26.621	18.65	26.662	19.155	26.688	19.478
DOVE01 1342u	25.919	13.174	26.163	15.472	26.223	16.063	26.378	17.707	26.459	18.65	26.501	19.155	26.527	19.478
DOVE01 1342d	25.619	13.174	25.81	15.472	25.857	16.063	25.987	17.707	26.06	18.65	26.099	19.155	26.124	19.478
DOVE01 1340u	25.594	13.174	25.785	15.472	25.833	16.063	25.963	17.707	26.036	18.65	26.074	19.155	26.099	19.478
DOVE01 1328d	25.238	13.174	25.359	15.472	25.39	16.064	25.472	17.707	25.518	18.65	25.543	19.155	25.559	19.478
DOVE01 1209	24.172	13.174	24.27	15.471	24.296	16.065	24.369	17.706	24.411	18.652	24.435	19.155	24.45	19.478
DOVE01 1128	23.868	13.188	23.884	15.488	23.887	16.08	23.896	17.725	23.895	18.671	23.894	19.176	23.89	19.5
DOVE01 1094	23.874	13.203	23.894	15.504	23.899	16.098	23.911	17.743	23.912	18.691	23.91	19.197	23.91	19.522
DOVE01 1060	23.877	13.203	23.898	15.51	23.903	16.096	23.917	17.744	23.918	18.691	23.918	19.197	23.915	19.523
DOVE01 1026	23.877	13.202	23.899	15.513	23.904	16.095	23.918	17.742	23.919	18.692	23.92	19.385	23.916	20.295
DOVE01 992	23.878	15.477	23.9	16.709	23.905	16.093	23.919	17.743	23.92	18.692	23.92	22.776	23.917	23.469
DOVE01 925	23.881	27.342	23.904	28.924	23.909	21.091	23.924	26.683	23.926	24.14	23.926	32.335	23.923	32.615
DOVE01 859	23.881	41.168	23.904	42.944	23.909	31.65	23.924	38.633	23.926	30.709	23.926	43.05	23.923	42.691
DOVE01 793	23.881	57.996	23.904	59.636	23.909	47.552	23.924	50.122	23.926	37.697	23.926	52.238	23.923	51.496
DOVE01 726	23.881	74.608	23.904	74.705	23.909	74.45	23.924	59.064	23.926	57.031	23.926	59.921	23.923	58.904
DOVE01 0000	22.634	89.808	22.646	93.656	22.653	61.366	22.663	89.579	22.886	77.663	22.939	91.374	23.113	90.337
BUL01-1962	22.897	0.796	23.045	4.625	23.062	5.904	23.098	10.884	23.114	13.941	23.123	15.463	23.132	17.531
BUL01-1886	22.896	8.531	23.04	14.106	23.056	16.056	23.09	21.323	23.104	23.946	23.112	25.374	23.12	27.082
BUL01-1518	22.893	7.49	23.034	9.941	23.049	10.276	23.078	11.282	23.09	12.042	23.097	12.474	23.103	12.965

Appendix C.1 - Modelled Design Levels and Flows (Do Minimum)

XS	50% AEP / QMED		20% AEP / 5-year		10% AEP / 10-year		4% AEP / 25-year		2% AEP / 50-year		1.33% AEP / 75-year		1% AEP / 100-year	
	Level	Flow	Level	Flow	Level	Flow	Level	Flow	Level	Flow	Level	Flow	Level	Flow
BUL01-1200	22.886	6.618	23.029	7.759	23.044	7.865	23.074	8.082	23.086	8.272	23.092	8.427	23.099	8.502
BUL01_3510	26.258	0.3	26.297	0.363	26.326	0.411	26.399	0.5	26.426	0.542	26.409	0.538	26.474	0.587
BUL01_3499u	26.173	0.3	26.214	0.362	26.24	0.411	26.342	0.5	26.382	0.541	26.393	0.54	26.445	0.588
BUL01_3499d	25.76	0.3	25.881	0.362	26.124	0.411	26.315	0.5	26.361	0.541	26.386	0.54	26.43	0.588
BUL01_3367	24.822	0.382	25.835	0.476	26.115	0.582	26.31	0.844	26.358	0.854	26.384	0.713	26.421	1.323
BUL01_3216	24.795	0.377	25.834	0.47	26.115	0.714	26.309	0.989	26.358	1.005	26.384	0.748	26.418	1.32
BUL01_3045	24.76	1.006	25.521	4.972	25.623	6.36	25.954	12.117	26.078	14.986	26.143	16.638	26.211	18.476
BUL01_2924	24.732	1.008	25.437	4.977	25.51	6.362	25.72	12.129	25.821	14.961	25.885	16.61	25.949	18.431
BUL01_2786u	24.587	1.003	25.293	4.97	25.387	6.354	25.629	12.194	25.751	14.878	25.829	16.424	25.9	18.231
BUL01_2786d	24.176	1.003	25.003	4.97	25.174	6.354	25.578	12.194	25.716	14.878	25.8	16.424	25.874	18.231
BUL01_2785u	24.142	1.007	24.994	4.975	25.165	6.358	25.577	12.201	25.715	14.883	25.8	16.428	25.874	18.236
BUL01_2755d	24.043	1.007	24.818	4.975	24.988	6.358	25.493	12.201	25.699	14.883	25.785	16.428	25.861	18.236
BUL01_2630	23.138	1.007	23.988	4.84	24.162	6.139	24.666	11.184	24.866	14.117	24.933	15.707	25.005	17.839
BUL01_2404	22.9	0.994	23.302	4.604	23.434	5.897	23.749	10.88	23.87	13.926	23.923	15.452	23.984	17.526
BUL01_2264u	22.898	0.982	23.153	4.605	23.238	5.901	23.489	10.882	23.543	13.929	23.568	15.453	23.598	17.527
BUL01_2257d	22.898	0.981	23.139	4.605	23.21	5.901	23.438	10.882	23.513	13.929	23.544	15.453	23.579	17.527
BUL01_0930u	22.782	6.554	22.942	7.153	22.958	7.215	22.991	7.341	23.005	7.392	23.011	7.417	23.019	7.446
BUL01_0919d	21.85	6.554	21.912	7.153	21.918	7.215	21.931	7.341	21.936	7.392	21.938	7.417	21.941	7.446
BUL01_0609u	20.744	6.557	20.787	7.159	20.792	7.221	20.801	7.349	20.804	7.401	20.806	7.427	20.808	7.457
BUL01_0569d	20.594	6.557	20.614	7.159	20.616	7.221	20.62	7.349	20.622	7.401	20.623	7.427	20.624	7.457
BUL01_0569c	20.666	6.557	20.698	7.159	20.701	7.221	20.708	7.349	20.711	7.401	20.712	7.427	20.713	7.457
BUL01_0469I	20.547	5.952	20.564	6.308	20.566	6.342	20.569	6.41	20.57	6.439	20.571	6.452	20.572	6.468
BUL01_0369I	20.477	5.677	20.489	5.965	20.49	5.992	20.492	6.046	20.493	6.068	20.494	6.079	20.496	6.091
BUL01_0269I	20.396	4.863	20.405	4.963	20.406	4.972	20.407	4.989	20.418	4.997	20.42	5	20.422	5.004
BUL01_0169I	20.294	4.863	20.3	4.963	20.303	4.972	20.314	4.989	20.329	4.997	20.331	5	20.347	5.004
BUL01_0070I	20.227	3.47	20.244	3.494	20.255	3.496	20.266	3.5	20.285	3.502	20.307	3.502	20.349	3.503
BUL01_10u	20.218	3.47	20.225	3.494	20.236	3.496	20.247	3.5	20.281	3.502	20.313	3.502	20.357	3.503
BUL01_01d	20.22	3.47	20.223	3.494	20.225	3.496	20.23	3.5	20.285	3.502	20.324	3.502	20.369	3.503
BUL01_00	20.22	3.47	20.223	3.494	20.225	3.496	20.23	3.5	20.285	3.501	20.324	3.502	20.369	3.503

Asset Defence Information
RFI: 18043

Asset ID	Asset Type	Asset Subtype	Maintainer	Description	Design Standard of Protection	Actual Condition Rating
50851	Defence	High Ground	Private	NATURAL GROUND	30	3