



Heidelberg Materials

TYTHERINGTON QUARRY: 6 MILLION TONNES ADDITIONAL RESERVES

Environmental Statement: Appendix 9D Ponds Only:
Potential Receptors Included in the Water Environment
Assessment





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TYPE OF DOCUMENT (VERSION) PUBLIC

PROJECT NO. 62282762

**OUR REF. NO. 6MT ES / APPENDIX 9D PONDS ONLY: POTENTIAL RECEPTORS
INCLUDED IN THE WATER ENVIRONMENT ASSESSMENT**

DATE: MAY 2024

WSP

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Abbey Lawn

Shrewsbury

SY2 5DE

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WSP.com

Ref No	NGR	Location relative to the Site	Rockhead geology	Aquifer designation
PO007	ST 61694 87635	3.7km west	Cromhall Sandstone Formation (sandstone)	Principal
PO008	ST 62027 87957	3.3km west	Penarth Group (mudstone)	Secondary (undifferentiated)
PO009	ST 62175 88137	3.1km west	Penarth Group (mudstone)	Secondary (undifferentiated)
PO010	ST 62120 87130	3.4km southwest	Mercia Mudstone Group (marginal Facies, conglomerate)	Principal
PO012	ST 63266 86664	2.6km southwest	Blue Lias Formation (limestone and mudstone, interbedded)	Secondary A
PO013	ST 63353 86536	2.7km southwest	Blue Lias Formation (limestone and mudstone, interbedded)	Secondary A
PO014	ST 63330 86901	2.5km southwest	Blue Lias Formation (limestone and mudstone, interbedded)	Secondary A
PO015	ST 63245 87112	2.5km southwest	Penarth Group (mudstone)	Secondary (undifferentiated)
PO016	ST 63209 87109	2.5km southwest	Penarth Group (mudstone)	Secondary (undifferentiated)
PO017	ST 62641 87109	3.0km southwest	Mercia Mudstone Group (mudstone)	Secondary B
PO018	ST 63530 86362	2.6km southwest	Blue Lias Formation (limestone and mudstone, interbedded)	Secondary A
PO019	ST 63198 86049	1.6km southwest	Blue Lias Formation (mudstone)	Secondary (undifferentiated)
PO020	ST 64157 87661	1.9km southwest	Penarth Group (mudstone)	Secondary (undifferentiated)
PO021	ST 62506 85647	1.6km southwest	Blue Lias Formation (mudstone)	Secondary (undifferentiated)
PO022	ST 62848 85622	1.1km south	Blue Lias Formation (mudstone)	Secondary (undifferentiated)
PO023	ST 65462 84665	1.2km southwest	Mercia Mudstone Group (mudstone)	Secondary B
PO024	ST 65234 84830	1.4km southwest	Blue Anchor Formation (mudstone)	Secondary B

Ref No	NGR	Location relative to the Site	Rockhead geology	Aquifer designation
PO025	ST 64906 85429	400m southwest	Penarth Group (mudstone)	Secondary (undifferentiated)
PO026	ST 64500 85515	900m southwest	Blue Lias Formation (limestone and mudstone, interbedded)	Secondary A
PO027	ST 65763 85723	1km southwest	Blue Anchor Formation (mudstone)	Secondary B
PO028	ST 65852 85627	900m southwest	Mercia Mudstone Group (mudstone)	Secondary B
PO029	ST 65590 85474	2.5km south	Penarth Group (mudstone)	Secondary (undifferentiated)
PO030	ST 65064 85552	2.4km south	Penarth Group (mudstone)	Secondary (undifferentiated)
PO031	ST 65030 85584	2.4km south	Penarth Group (mudstone)	Secondary (undifferentiated)
PO032	ST 64728 85649	2.5km south	Penarth Group (mudstone)	Secondary (undifferentiated)
PO033	ST 64260 85973	2.4km southwest	Penarth Group (mudstone)	Secondary (undifferentiated)
PO034	ST 65425 85825	2.1km south	Penarth Group (mudstone)	Secondary (undifferentiated)
PO035	ST 65298 86063	1.9km south	Mercia Mudstone Group (mudstone)	Secondary B
PO036	ST 64972 85173	1.2km south	Penarth Group (mudstone)	Secondary (undifferentiated)
PO037	ST 65650 84909	3.0km south	Blue Anchor Formation (mudstone)	Secondary B
PO038	ST 65755 84827	3.0km south	Mercia Mudstone Group (mudstone)	Secondary B
PO039	ST 65890 85079	2.9km south	Penarth Group (mudstone)	Secondary (undifferentiated)
PO040	ST 65634 85741	2.2km south	Blue Anchor Formation (mudstone)	Secondary B
PO041	ST 64688 85227	2.9km south	Penarth Group (mudstone)	Secondary (undifferentiated)
PO042	ST 64256 85217	3.0km southwest	Blue Lias Formation (limestone and mudstone, interbedded)	Secondary A

Ref No	NGR	Location relative to the Site	Rockhead geology	Aquifer designation
PO043	ST 65471 85795	2.1km south	Penarth Group (mudstone)	Secondary (undifferentiated)
PO044	ST 64836 86130	2.0km southwest	Mercia Mudstone Group (mudstone)	Secondary B
PO045	ST 65865 85865	2.1km south	Mercia Mudstone Group (mudstone)	Secondary B
PO046	ST 65836 85560	2.4km south	Blue Anchor Formation (mudstone)	Secondary B
PO047	ST 65841 85858	2.1km south	Mercia Mudstone Group (mudstone)	Secondary B
PO048	ST 66184 85107	2.9km south	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO049	ST 66419 85208	2.8km south	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO050	ST 66468 85198	2.8km south	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO051	ST 66333 84808	3.2km south	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO052	ST 66282 84719	3.3km south	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO053	ST 66451 85177	2.8km south	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO054	ST 66546 84755	3.3km south	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO055	ST 66464 84652	3.4km south	Mercia Mudstone Group (mudstone,	Secondary B

Ref No	NGR	Location relative to the Site	Rockhead geology	Aquifer designation
			siltstone and sandstone)	
PO056	ST 66259 84493	3.5km south	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO057	ST 66129 84501	3.4km south	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO058	ST 66612 84656	3.4km south	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO059	ST 66214 84412	3.5km south	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO060	ST 65907 84465	3.5km south	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO061	ST 64950 84262	3.7km south	Blue Anchor Formation (mudstone)	Secondary B
PO062	ST 66142 85771	2.2km south	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO063	ST 66223 85587	2.4km south	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO064	ST 66449 85443	2.6km south	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO065	ST 66779 84652	3.5km south	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B

Ref No	NGR	Location relative to the Site	Rockhead geology	Aquifer designation
PO066	ST 66580 85064	3.0km south	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO067	ST 66882 84956	3.2km southeast	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO068	ST 66792 84797	3.3km southeast	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO069	ST 67353 84518	3.8km southeast	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO070	ST 67773 85395	3.2km southeast	Mangotsfield Member (sandstone)	Secondary A
PO071	ST 67307 85868	2.6km southeast	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO072	ST 68107 84876	3.8km southeast	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO073	ST 68092 84654	4.0km southeast	Mangotsfield Member (sandstone)	Secondary A
PO074	ST 68086 84603	4.0km southeast	Mangotsfield Member (sandstone)	Secondary A
PO075	ST 69136 85639	4.0km southeast	Mangotsfield Member (sandstone)	Secondary A
PO076	ST 68746 86828	3.1km east	South Wales Lower Coal Measures Formation and South Wales Middle Coal Measures Formation (undifferentiated, mudstone, siltstone and sandstone)	Secondary A

Ref No	NGR	Location relative to the Site	Rockhead geology	Aquifer designation
PO077	ST 68943 86546	3.4km east	Mangotsfield Member (sandstone)	Secondary A
PO078	ST 68979 86875	3.2km east	South Wales Lower Coal Measures Formation and South Wales Middle Coal Measures Formation (undifferentiated, mudstone, siltstone and sandstone)	Secondary A
PO079	ST 68733 86612	3.2km east	Downend Member (mudstone)	Secondary A
PO080	ST 67560 86435	2.3km southeast	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO081	ST 67203 86222	2.3km southeast	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO082	ST 68949 88483	2.7km east	Mercia Mudstone Group (marginal Facies, conglomerate)	Principal
PO083	ST 68393 88110	2.1km east	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO084	ST 69493 87532	3.4km east	South Wales Lower Coal Measures Formation and South Wales Middle Coal Measures Formation (undifferentiated, mudstone, siltstone and sandstone)	Secondary A
PO085	ST 68186 88451	1.8km east	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO086	ST 68321 88576	2.0km east	Mercia Mudstone Group (mudstone,	Secondary B

Ref No	NGR	Location relative to the Site	Rockhead geology	Aquifer designation
			siltstone and sandstone)	
PO087	ST 68346 88599	2.0km east	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO088	ST 68110 87313	2.4km east	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO089	ST 69477 89695	3.2km northeast	Marros Group (mudstone, siltstone and sandstone)	Secondary A
PO090	ST 68764 90250	2.8km northeast	Cromhall Sandstone Formation (sandstone)	Principal
PO091	ST 68730 90182	2.8km northeast	Cromhall Sandstone Formation (sandstone)	Principal
PO095	ST 67265 88732	0.9km east	Cromhall Sandstone Formation (sandstone)	Principal
PO096	ST 66535 88271	0.4km east	Clifton Down Limestone Formation (limestone)	Principal
PO097	ST 66725 87882	0.9km east	Mercia Mudstone Group (marginal Facies, conglomerate)	Principal
PO098	ST 66642 87960	0.8km east	Mercia Mudstone Group (mudstone, siltstone and sandstone)	Secondary B
PO099	ST 67488 88274	1.3km east	Cromhall Sandstone Formation (sandstone)	Principal
PO100	ST 67383 87945	1.4km east	Mercia Mudstone Group (marginal Facies, conglomerate)	Principal
PO101	ST 67427 88369	1.3km east	Cromhall Sandstone Formation (sandstone)	Principal
PO102	ST 66253 87756	0.5km southeast	Tanhouse Limestone (limestone)	Principal
PO103	ST 67766 88589	1.4km east	Cromhall Sandstone Formation (sandstone)	Principal

Ref No	NGR	Location relative to the Site	Rockhead geology	Aquifer designation
PO106	ST 65893 87826	0.2km south	Mercia Mudstone Group (mudstone)	Secondary B
PO114	ST 67660 90850	2.5km northeast	Brinkmarsh Beds (mudstone, calcareous)	Secondary B
PO115	ST 67324 91550	3.0km north	Brinkmarsh Beds (mudstone, calcareous)	Secondary B
PO119	ST 64856 86541	1.6km southwest	Mercia Mudstone Group (mudstone)	Secondary B
PO120	ST 64610 86382	1.9km southwest	Blue Anchor Formation (mudstone)	Secondary B
PO121	ST 64874 86493	1.6km southwest	Mercia Mudstone Group (mudstone)	Secondary B
PO122	ST 65763 86816	1.1km south	Mercia Mudstone Group (mudstone)	Secondary B
PO123	ST 64565 87385	1.2km southwest	Blue Lias Formation (limestone and mudstone, interbedded)	Secondary A
PO124	ST 64454 87271	1.4km southwest	Blue Lias Formation (limestone and mudstone, interbedded)	Secondary A
PO125	ST 65329 87659	0.4km southwest	Penarth Group (mudstone)	Secondary (undifferentiated)
PO126	ST 64454 88024	1.0km west	Cromhall Sandstone Formation (sandstone)	Principal
PO127	ST 64454 87863	1.1km west	Penarth Group (mudstone)	Secondary (undifferentiated)
PO128	ST 64517 87924	1.0km west	Penarth Group (mudstone)	Secondary (undifferentiated)
PO130	ST 68886 89732	2.7km northeast	Tanhouse Limestone (limestone)	Principal
PO131	ST 69039 89757	2.9km northeast	Tanhouse Limestone (limestone)	Principal
PO136	ST 65872 86702	1.2km south	Mercia Mudstone Group (mudstone)	Secondary B
PO137	ST 68459 85038	3.9km southeast	Mangotsfield Member (sandstone)	Secondary A
PO138	ST 68440 85008	3.9km southeast	Mangotsfield Member (sandstone)	Secondary A

Ref No	NGR	Location relative to the Site	Rockhead geology	Aquifer designation
PO139	ST 67448 88126	1.5km east	Cromhall Sandstone Formation (sandstone)	Principal
PO140	ST 69073 90408	3.2km northeast	Cromhall Sandstone Formation (sandstone)	Principal
PO147	ST 65373 86385	1.6km south	Mercia Mudstone Group (mudstone)	Secondary B
PO148	ST 64065 85384	3.0km southwest	Blue Lias Formation (limestone and mudstone, interbedded)	Secondary A
PO149	ST 68972 87504	3.1km east	South Wales Lower Coal Measures Formation and South Wales Middle Coal Measures Formation (undifferentiated, sandstone)	Secondary A
PO150	ST 66811 88171	0.7km east	Mercia Mudstone Group (marginal Facies, conglomerate)	Principal
PO152	ST 66248 89035	0.2km north	Black Rock Limestone Subgroup (dolostone)	Principal
PO153	ST 70146 88259	3.9km east	Marros Group (sandstone)	Secondary A