

Site Assessment Pro Forma: Down's Quarry extension PK15

Site Information	
Site Location	Approximately 1.5km NNE of Worth Matravers village, and adjacent to the existing Downs Quarry
Grid Reference	SY 981 791
Administrative Area	Purbeck District Council
Parish	Worth Matravers CP
Site Nominee(s)	Lovell Purbeck Ltd
Agent	Land & Mineral Management
Proposed development	Extraction of Purbeck Limestone
Site Area	0.67 ha
Estimated annual output (tpa)	2,500
Estimated reserve	17,000 – 22,000 tonnes
Expected life of operation	7-9 years
Existing land use	Pasture
Landscape character type	TBC
Proposed Restoration	Pasture land
Access	Via the existing Downs Quarry
Estimated Traffic Movements	4 to 16 movements per day - using 16-26 tonne trucks



PK15 - Downs Quarry extension - Aerial View

Site brought forward
 Sites with planning permission



PK15 - Downs Quarry extension - with constraints

Site brought forward
 Existing sites with planning permission
 SAC
 Heritage Coast
 Public Right of Way Footpath
 Public Right of Way Bridleway

NOTE: The entire area of this plan is within the Dorset AONB



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Biodiversity.

Criterion C1 - Impact on European/international designations.**D**

No comment.

Dorset County Council 6Nov13

Criterion C2 - Impact on areas used by Annex I bird species.**D**

No comment.

Dorset County Council 6Nov13

Criterion C3 - Impact on national designations.**D**

No comment.

Dorset County Council 6Nov13

Criterion C4 - Impact on protected species.**C**

Greater Horseshoe Bat is known to inhabit the area close to the proposed site. Whilst it is unlikely there would be any effect on GHB which would result from quarrying at this location, information would be needed to support the allocation to demonstrate no likely significant effect.

Dorset County Council 6Nov13

Criterion C5 - Impact on local recognitions/designations, including ancient woodland and veteran trees.**D**

No comment.

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Geodiversity

Criterion C6 - Impact on geodiversity.

D

The Purbeck limestone group has an important association with the geology of the Jurassic Coast World Heritage Site. Working quarries in Purbeck have been known to yield important fossils, including dinosaur footprints. They are also of ongoing interest for the study of early Cretaceous stratigraphy. These interests should be acknowledged with the assumption that geologists and the Jurassic Coast Team hosted by DCC will respond positively to any opportunities to recover fossils or record and study unusual features if they are discovered. In terms of geodiversity there is a presumption in favour of an appropriate level of quarrying activity continuing in order to sustain these ongoing interests.

Dorset County Council 24.10.2013

Landscape

Criterion C7 – Impact on designated landscapes.

C

Less significant adverse impact.

Dorset County Council 25 October 2013

Criterion C8 – What is landscape capacity to accommodate proposed development.

C

May be an issue with cumulative impact on residential amenity so only satisfactory if other quarries in immediate vicinity have been restored.

Dorset County Council 25 October 2013

Criterion C9 – Impact on historic landscapes.

D

The local landscape bears the imprint of previous quarrying dating from the Roman period onwards. It could be argued that the present site would be a continuation of the process, and if the site is to be restored afterwards the impact would be limited in time anyway.

Dorset County Council 31/10/2013

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Historic Environment

Criterion C10 – Impact on historic buildings.**D**

This is a quarry set in a quarrying landscape and the nearest listed buildings are too far away to be affected.
Assessment Grade D – no significant impact

Dorset County Council 22/10/2013

Criterion C11 – Impact on archaeology.**D**

An archaeological evaluation of this site has been undertaken already (Thames Valley Archaeological Services report dated August 2010 and with site code DQLM10/64). The results were effectively negative with regard to below-ground archaeology, and I am not aware of any above-ground historic features on the site. So archaeology has been addressed satisfactorily for this site.

Dorset County Council 31/10/2013

Water and Flood Management

Criterion C12 -Impact on hydrogeology or groundwater.**C**

Site is over secondary aquifer. No impact on Source Protection Zones. Not known if licensed extraction points in the vicinity.

Dorset County Council 1 November 2013

Criterion C13 – Impact on surface waters.**C**

River within 500m of boundary.

Dorset County Council 1 November 2013

Criterion C14 - Impact on flooding or coastal stability.**D**

Site is entirely within Flood Risk Zone 1, no impact on coastal stability.

Dorset County Council 1 November 2013

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Land and Soils

Criterion C15 - Impact on existing soils or land type (including BMV land).**C**

Soil quality varies between moderate to good and poor. Any soil removed will be protected during working and either re-used on site or taken elsewhere to be used. Further assessment may be required to determine soil quality.

Dorset County Council | November 2013

Air Quality

Criterion C16 – Impact on AQMAs.**D**

No direct impact on any AQMAs.

Dorset County Council | November 2013

Economic development

Criterion C17 - Impact on economic development.**D**

Site will have positive benefit during working, contributing to supply of building stone and providing employment. Restoration to agricultural use will maintain an on-going positive benefit.

Dorset County Council | November 2013

Human Health and Amenity

Criterion C18 - Impact on Sensitive Human Receptors.**B**

Closest property approximately 50m to the east, others within 250m to east/north/south. However, the context of the site is of stone quarrying and other properties in the area are very close to quarries/service yards.

Dorset County Council | November 2013

Criterion C19 - Impact on existing settlements.**C****D**

Harman's Cross 850m to the north, Acton and Langton Matravers around 1km to west/south west. Site is completely screened from latter two. Harman's Cross might have partial views up to the site, depending on screening to be implemented. Further assessment needed.

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Airport Safety

Criterion C20 - Impact on airport safety

D

Site is approximately 23 km from airport and not proposed to be worked or restored wet.

Dorset County Council | November 2013

Cumulative Impacts

Criterion C21 - Effects on cumulative impacts.

B

Site is an extension to an existing quarry in an area where there is a high concentration and long history of mineral extraction.

The proposal is within 5Km (by road) of a town (Swanage) where allocations for the development of 200 dwellings, employment and retail facilities have been made in the Purbeck Local Plan Part 1 (adopted Nov 2012) (Policy SE). (Site details not yet available). Traffic arising from the new residential development will add to general traffic levels in / around Swanage and on the A351.

Dorset County Council | 31 October 2013 | 11.11.2013.

Carbon Emissions

Criterion C22 - Impact on carbon emissions

B

Site will rely on road transport.

Dorset County Council | 31 October 2013

Recreation/Access

Criterion C23 – Impact on recreational land

D

Site is agricultural land, not use for formal/informal agricultural purposes.

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Criterion C24- Impact on public rights of way

D

No rights of way cross site or come near to it.

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Criterion C25 - Are the access proposals acceptable	C
<p>Access proposed is via the existing Downs Quarry to the south of the identified site. This in turn has a suitable access directly onto the B3069. The trip generation of the proposed site is not great (4 to 16 movements per day) and is likely to follow reduced extraction within the existing site as existing resources become exhausted. While routes from the site to the A351 will go through either Langton Matravers or Kingston, the route is via a B class road and the number of trips is relatively low. Provided that there is little increase in HGV traffic over the existing operation, there is little adverse impact and the site is considered to have a C rating.</p>	
<p>Dorset County Council 29 October 2013</p>	