

SHOCKLACH OVIATT AND DISTRICT PARISH COUNCIL

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EXPLANATORY NOTES FOR ATTACHMENT

SLIDE 1: shows the extent of the Lidar survey available to SODPC (~3 sq km), together with the aerial photograph for the same area. 'Hot' colours are relatively higher elevations and vegetation is visible on the unfiltered DTM model. The coverage includes part of the proposed access route to the drilling location but not the site itself.

SLIDE 2: shows the more easterly of the two castle mounds and the small patchwork field pattern (defined by butts and reins) which differs from that of surrounding areas and is almost certainly mediaeval in origin. The line a'-a" identifies the elevation profile shown in slide 4 and the arrows mark sites of former dwellings which have no expression on the aerial photograph (slide 3) but which are seen as topographic indentations in the profile.

SLIDE 4: the red curve is the DTM profile and the blue is the filtered, digital-surface model (DSM) with vegetation removed. Note the prominent feature on the Lidar image which trends WSW from Castletown Rough and changes direction to S-N where the profile b'-b" cuts it. That profile is shown in slide 5 and shows a clearly-defined outer ditch and an inner raised earthwork, superimposed on the hillside. We now consider that to be part of the outer fortification surrounding the bailey enclosure of the original settlement and it is possible that the raised earthwork was surmounted by a wooden palisade.

SLIDE 6: the dotted line shows the extent of the outer fortification, as far as it has been mapped and slide 7 is the filtered digital terrain model for comparison. The elevation profile c'-c" shown in slide 8 is immediately adjacent to the proposed access to the drilling site and, again, shows a ditch and adjacent raised bank.

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