

**From:** Robin Smithyman [REDACTED]  
**Sent:** 22 September 2021 14:45  
**To:** Aldridge, Steven  
**Subject:** Re: Lea Castle Farm Quarry re Area of each Phase

Dear Steve

Regarding the 2No tables submitted as part of the original ES document and within the subsequent Regulation 25 response, these tables served different purposes and as such related to different areas of land.

The original table submitted within the ES relates to individual phased extraction areas only. It is noted that due to changes associated with the subsequent Regulation 25 requests relating to RPA standoffs and the retention of the isolated tree within Phase 1, the phased mineral areas have received slight variations. This was picked up within the soils table (Appendix D) as previously submitted, with the individual phased areas as requested stated below.

The table submitted within Appendix D of the Regulation 25 request relates to soil stripping only, to take place during each of the development phases (as requested by Natural England). As such, this table accounts for ancillary areas including the site access, where stripping is to take place but no extraction (within the Initial Works Phase), along with 'cross phase' aspects such as the stripping of soils to facilitate the conveyor loading area and haul route to gain access to the Phase 1 extraction area (taking place within Phase 1). Due to the timing of submission, this table accounts for the updated RPA / limit of extraction. This table remains correct.

Referring to the Block Phasing Plan, this includes for the phase overlap of extraction between the Initial Works Phase and Phase 4 / 5, where extraction within the area takes place within the Initial Works phase to form the sunken plant site and the batter slopes between phases, with remaining mineral in these slope areas then being extracted as part of Phase 4 / Phase 5.

To clarify, please see below the area of each phase, based upon the extraction limit within each.

<b>Phase</b>	<b>Area (Ha)</b>
Initial Works	3.72
Phase 1	4.55
Phase 2	3.41
Phase 3	4.45
Phase 4	5.20
Phase 5	4.39
<b>TOTAL EXTRACTION AREA</b>	<b>25.72 Ha (25.7Ha)</b>

With respect to the Appendix D table (copied below), the additional 0.1 Ha within the subtotal area accounts for the access road soil stripping.

*In situ-Soils to be stripped prior to the commencement of each phase (based on 1.2m soil profile)*

Phase	Area m <sup>2</sup>	Topsoil (0.33m)	Subsoil (0.37m)	Overburden (0.50m)	Sub Total
Initial Works	38,200	12,600	14,100	19,100	45,800
Phase 1	47,800	15,800	17,700	23,900	57,400
Phase 2	30,700	10,200	11,400	15,400	37,000
Phase 3	45,500	15,000	16,800	22,700	54,500
Phase 4	52,000	17,200	19,200	26,000	62,400
Phase 5	43,900	14,500	16,200	22,000	52,700
<b>SUBTOTALS</b>	<b>25.8 ha</b>	<b>85,300</b>	<b>95,400</b>	<b>129,100</b>	<b>309,800</b>

I trust that the above provides sufficient clarification, but if you do have any queries or wish to discuss, please let me know.

Regards

Robin

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**From:** "Aldridge, Steven" <SAldridge@worcestershire.gov.uk>

**Date:** Tuesday, 21 September 2021 at 13:09

**To:** Robin Smithyman <robin@keddltd.co.uk>

**Subject:** Lea Castle Farm Quarry re Area of each Phase

Hi Robin,

With regard to Lea Castle Farm Quarry. Please can you clarify the area of each phase, as I note there are different sizes given in the application. I note in the ES at paragraph 4.5.2 refers to the site area in the table below:

Phase	Area (Hectares)	Soils/ Overburden (m <sup>3</sup> )	Mineral Tonnages	Anticipated Extraction Duration (years)
Initial Works	3.3	45,800	450,000	1.5
Phase 1	4.65	57,400	225,000	0.75

Phase 2	3.78	37,000	300,000	1
Phase 3	4.45	54,500	375,000	1.25
Phase 4	5.97	62,400	975,000	3.25
Phase 5	3.83	52,700	675,000	2.25
<b>TOTALS</b>	<b>25.98</b>	<b>309,800</b>	<b>3,000,000</b>	<b>10</b>

However, I note as part of the Regulation 25 Request Submission (Appendix D – Soil Volumes Details) identifies the area in square metres (see below). Converting the area below from square metres to hectares highlights a discrepancy in the area of each Phase. Can you clarify the size of each phase.

*In situ-Soils to be stripped prior to the commencement of each phase (based on 1.2m soil profile)*

Phase	Area m <sup>2</sup>	Topsoil (0.33m)	Subsoil (0.37m)	Overburden (0.50m)	Sub Total
Initial Works	38,200	12,600	14,100	19,100	45,800
Phase 1	47,800	15,800	17,700	23,900	57,400
Phase 2	30,700	10,200	11,400	15,400	37,000
Phase 3	45,500	15,000	16,800	22,700	54,500
Phase 4	52,000	17,200	19,200	26,000	62,400
Phase 5	43,900	14,500	16,200	22,000	52,700
<b>SUBTOTALS</b>	<b>25.8 ha</b>	<b>85,300</b>	<b>95,400</b>	<b>129,100</b>	<b>309,800</b>

Kind regards

Steve

**Steven Aldridge**

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