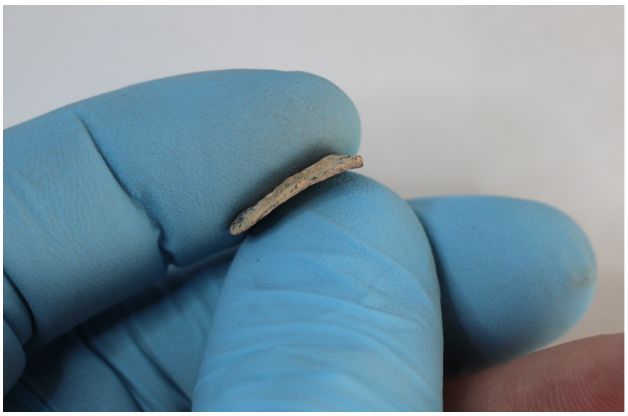
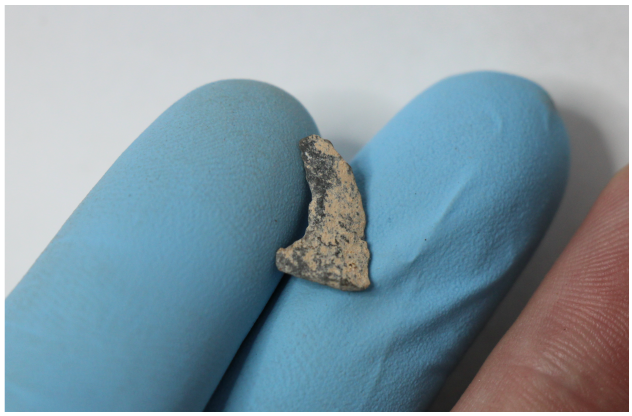
II.6. Taxon Ef: Blade-like flakes
(42 items; #756–797)

#756. Item no. 2981-16750

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	19/01/2019	A3-SW	6.60/ 6.55	6.55	283904.92	2724524.74	1601/ 1604	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	14.2	8.3	2.2	0.20	V(b)		





Characterization. This small, thin item is a thinning blade-like flake of black limestone, laterally curved, with distal feathered termination, and a low dorsal ridge. The platform is very small, narrow, lipped, tilted over the ventral side. This is a debitage element, without visible traces of use-wear on its edges.

#757. Item no. 2285-17231

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	11/01/2019	B2-SE	6.25/ 6.20	6.22	283906.17	2724523.54	1601/ 1604	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	38.2	13.2	6.1	2.28	V		

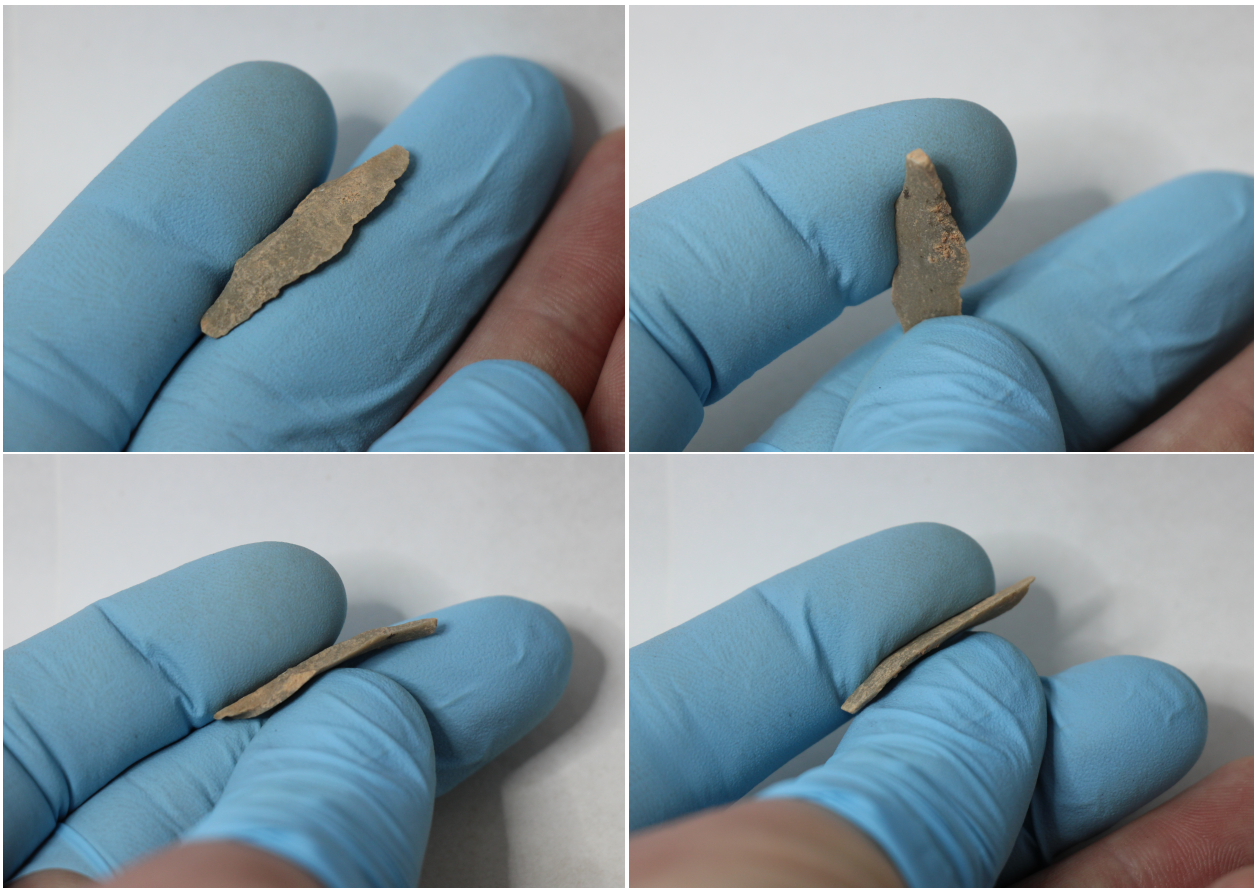
Characterization. This item is a peculiar tertiary blade or blade-like flake of green limestone, with a confusing morphology and uncertain type and manufacture origin, in the sense that the platform is not clear, and neither is the direction of extraction. Considering the thinness of the

rounded edges, the most probable location for a platform is at the smaller end, in which case the item would be a ridge-following blade. The dorsal surface at the right of the central ridge is defined by at least three parallel extraction scars originating to the right, out of the contour of the item. This artefact, although confusing, qualifies as a thinning debitage element, without evidence of tool use-wear on the edges.

#758. Item no. 2287-16880

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	11/01/2019	B2-SE	6.25/ 6.20	6.22	283906.32	2724523.69	1601/ 1604	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	26.6	8	2.4	0.44	V		

Characterization. This fine, thin, elongated artefact is a tertiary blade-like flake, a thinning debitage element without evidence of tool functionality or use-wear on its thin sharp edges. The pointy end is the proximal, with a small, flat, seemingly cortical platform, slightly tilted towards the curved ventral side. No *eraillure* scar or impact bulb would be expected on such an elongated and narrow product. The distal end keeps the imprint of a hinge fracture. The dorsal side contains the scars of previous blades. This artefact is not a tool, but a clear indicator of a mature thinning technology.



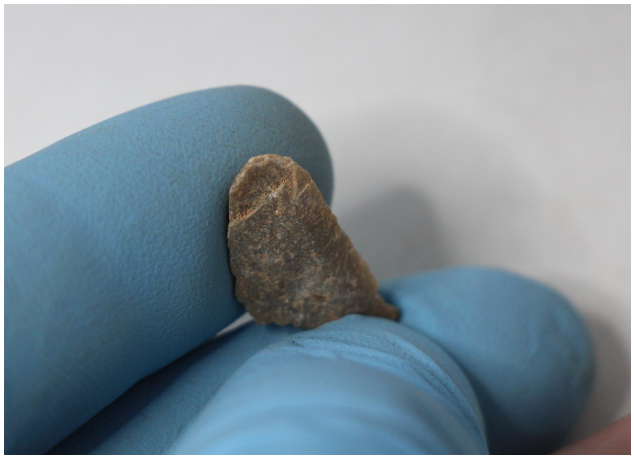
#759. Item no. 2208-17019

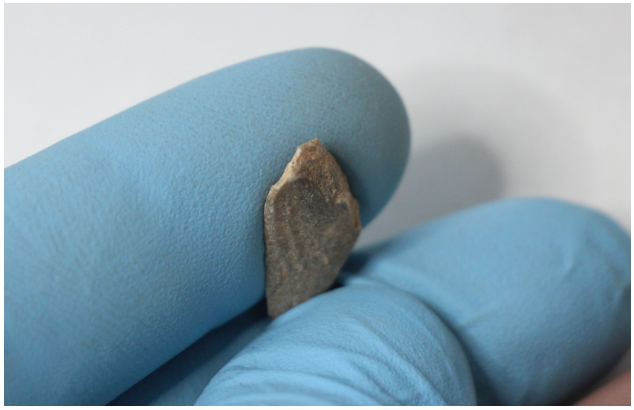
Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	09/01/2019	B2-NE	-	-	283906.47	2724524.04	1602	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	20.8	11.5	4.4	1	V		

Characterization. This small artefact is a tertiary, ridge-following blade or blade-like flake, a thinning debitage element of pale-green limestone, without indications of use-wear or tool functionality on its edges. The platform is preserved at the smaller end; it is flat, cortical, unprepared, tilted to the right, with a visible impact bulb near the ventral edge.

#760. Item no. 2228-16876

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	10/01/2019	C2-SW	-	-	283906.57	2724523.69	1602	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	21	9.3	2.6	0.56	V		





Characterization. This artefact is a secondary blade-like flake of fine-grained golden-green limestone, a thinning debitage element without evidence of use-wear on the edges. The scar of a previous extraction gives the dorsal side a concave aspect. The distal edge is diagonal, marked by a hinge fracture. The platform is mostly broken during impact, with its entire ventral face missing, which left behind a large *eraillure* scar. The ground, white-marked impact location is still visible on a slightly prominent spot that suggests the isolation of the platform.

#761. Item no. 2220-16875

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	10/01/2019	C3-SW	-	-	283906.57	2724524.64	1602	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	17.7	11.3	3.8	0.81	V		

Characterization. This artefact is a fine tertiary blade-like flake of green limestone, a debitage element without indicators of use-wear or post-extraction modifications on the edges. The piece is curved over its ventral side, which has localized stains of sediment depositions. The platform was originally dihedral, narrow, inclined towards the dorsal side, with the right segment still preserved, but not lipped, and with the left segment broken during impact, which also produced a small collateral extraction on the ventral side, as well as a small *eraillure* scar on the adjacent portion of the ventral side. The distal end is thin, rounded, and plunging.

#762. Item no. 2227-17021

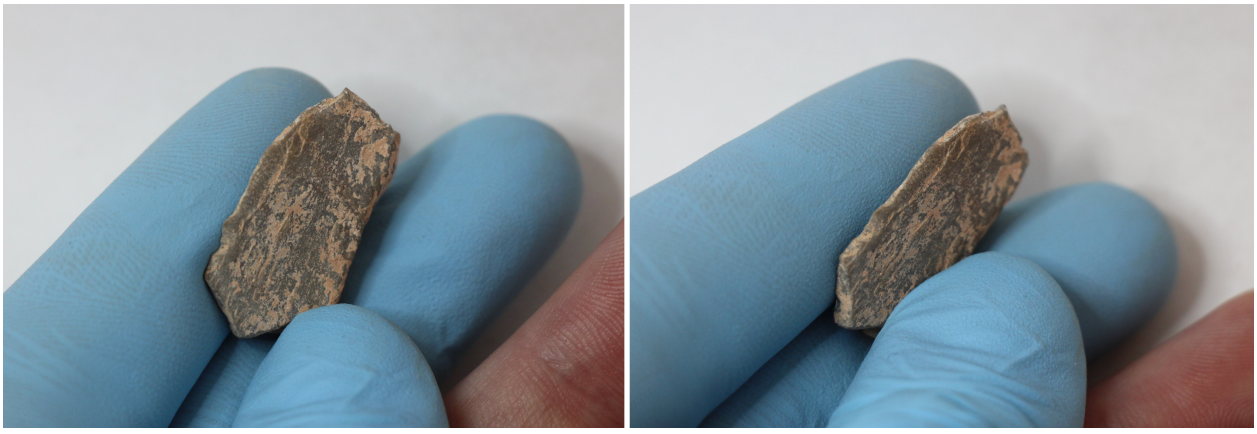
Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	10/01/2019	C3-SW	-	-	283906.87	2724524.64	1602	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	21	13.8	3.6	1.16	V		

Characterization. This artefact is a fine, thin, *outrepassé*, secondary blade-like flake, seemingly extracted from a tabular core of fine-grained green limestone, with remnants of thin cortex on its right-distal area. It has a narrow, flat, straight platform that is also non-prepared, not lipped, without associated *eraillure* scar or impact protuberance on the ventral side. The distal end contains a portion of the opposite surface of the core. The left edge is obstructed by cemented carbonate concretions. This item is a debitage element, with no traces of use-wear on edges.

#763. Item no. 2176-17146

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	07/01/2019	A2-SE	6.70/ 6.65	6.67	283905.27	2724523.69	1604	B

Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	26.3	16.7	5.7	2.76	V		



Characterization. This artefact is a debitage element, a tertiary or secondary blade-like flake of green limestone, without convincing evidence of use-wear or intentional modification, although one of the edges present a level of damage that may have been caused by specific tasks in which the item could have been involved as a tool. The blade-like flake has the adequate shape and morphology to be considered, at first sight, as a cutting tool or backed knife, especially due to the combination of a right square edge and a left thin edge. However, a closer inspection shows that the left edge lacks the expected use-wear traces, such as micro-scars and micro-notches, presenting instead square profiles caused by natural fracturing. It has a large platform, partly collapsed, tilted to the right, but lacking the expected impact-related features on the ventral side, such as *eraillure* scar or impact bulb. The distal end presents a natural breakage. The yellowish sediment depositions obstruct the appreciation of the features.

#764. Item no. 3379-16790

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	23/01/2019	A2-NW	6.60/ 6.55	6.57	283904.67	2724524.24	1604	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	30.7	21	6.4	4.31	V		

Characterization. This artefact is a relatively large, tertiary, ridge-following blade-like flake with a robust platform, sharp edges, feathered termination, and cemented muddy sediment depositions on both surfaces, mainly on the dorsal-right side. The large, wide platform is prepared as dihedral, with the successful impact spot visible on the ventral end of the ridge, and with a partly lipped ventral edge. There is no visible ventral side impact bulb, but there are impact ripples. Although sharp, the edges were not working edges of a tool, with no use-wear.

#765. Item no. 2823-16729

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	16/01/2019	B2-SW	6.40/ 6.35	6.36	283905.82	2724523.64	1604/ 1604A	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	21.7	10.1	2.3	0.37	V		

Characterization. This artefact is a very thin, curved, tertiary blade-like flake of green limestone, with feathered distal end, shape bending over its ventral side, covered by an uneven coating of fine-grained sediment. The flake has a small, narrow platform, that is non-lipped, and has no ventral impact bulb, inclined over the ventral side. The sharp edges lack evidence of use-wear.

#766. Item no. 2329-17027

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	11/01/2019	B5-SW	-	-	283905.67	2724526.74	1604	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	20	12.3	5.1	1.14	V		

Characterization. This small artefact of dark-green limestone is a thinning debitage element, a tertiary blade-like flake curved over its ventral side, with sediment concretions on its ridge-following dorsal side. Both planes composing the high-ridged dorsal side represent scars of

previously extracted blades. The platform is preserved, tilted towards the ventral side, but the carbonate coating obstructs its analysis. The distal edge is plunging, straight, and thin. The edges present natural damage, without traces of use-wear.

#767. Item no. 2344-17030

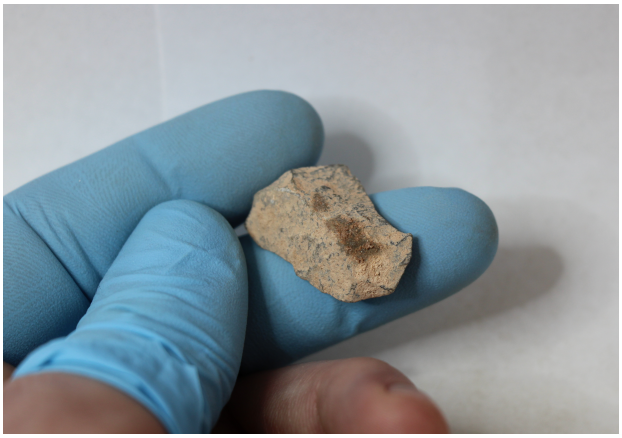
Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	12/01/2019	B5-NE	-	5.64	283906.42	2724527.09	1604	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	21.7	15.5	4.1	1.50	V		

Characterization. This green limestone artefact is a tertiary or secondary blade-like flake, a thinning debitage element with a broken proximal end, and the ventral side completely covered by a thick layer of cemented carbonate concretions formed during the long permanence of the piece inside the stratum. It has an irregular contour, with a sharp right edge, but the coating obstructs the appreciation of a potential use-wear. Probably, this piece has never been utilized as a tool, yet it displays the necessary attributes for a useful cutting tool, as it can be seen in the corresponding taxonomic groups (DxF, EF).

#768. Item no. 2476-16890

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	12/01/2019	B5-SE	5.83/ 5.78	5.81	283906.27	2724526.74	1604	B

Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	22.4	16.9	7	3.33	V		



Characterization. This artefact is a thick, ridge-following tertiary blade-like flake, a debitage element not utilized as a tool, as implied by the lack of use-wear or post-extraction modifications. The dorsal side contains previous flake extractions, easier to appreciate on the thin, plunging distal end. The ventral side is slightly curved. Thick sediment coating covers both faces. The platform, at the wider side, is thick and wide, flat, without clear evidence of preparation, tilted to the right, and slightly inclined towards the ventral face.

#769. Item no. 3025-16755

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	20/01/2019	C2-SE	-	5.96	283907.16	2724523.70	1604	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	22.6	14.2	5.2	1.78	V		

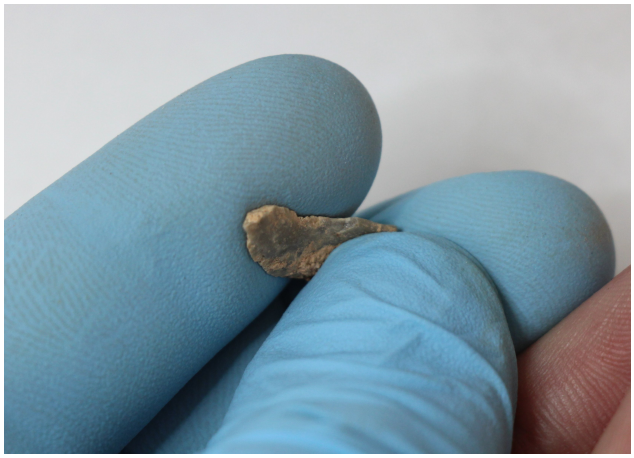
Characterization. This artefact is a secondary or tertiary blade-like flake of green limestone with scarce carbonate depositions on the distal section, and a curved trajectory over the ventral side. The divergent left and right edges are shaped as a result of fractures, but it cannot be determined whether there was post-extraction human agency involved. The platform is punctiform and ground, located at the intersection between the two fracture planes. The impact produced a collateral flake on the adjacent portion of the dorsal side, but no *eraillure* scar or impact bulb on the ventral.

#770. Item no. 2398-16886

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	12/01/2019	A7-SE	5.62/ 5.55	5.56	283905.17	2724528.89	s/1604A	B

Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	16	7.6	2.6	0.26	V		

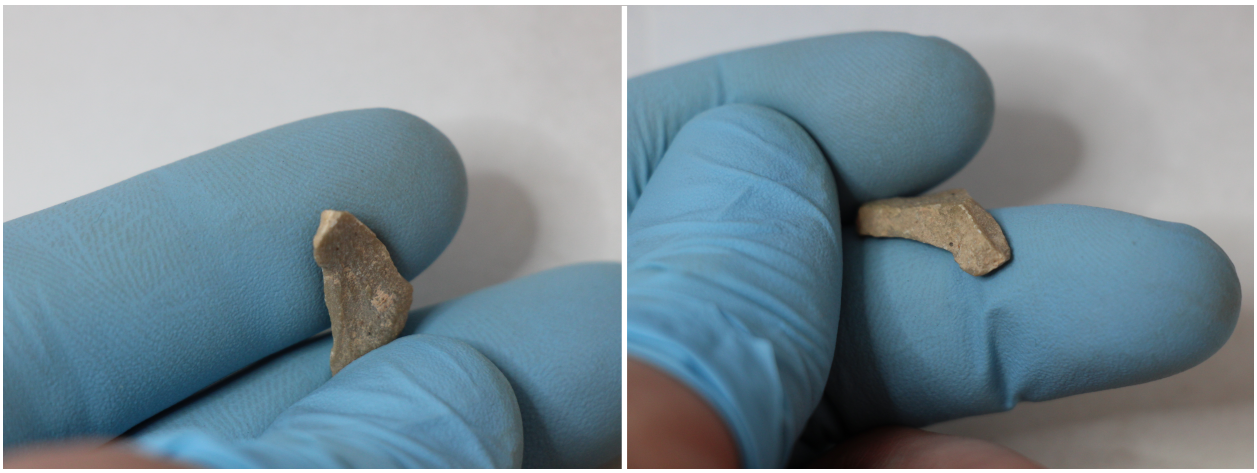
Characterization. This small, thin item is a thinning debitage element, a secondary or primary blade-like flake, without any evidence of tool-related modifications. The platform is located on the proximal-right extension of the piece: small, narrow, non-prepared, not tilted, without a remarkable lip, *eraillure* scar or ventral protuberance, fact congruent with a thinning debitage item extracted by soft percussion. The ventral side is curved; the distal end is feathered. The edges are sharp, without use-wear.



#771. Item no. 3456-16965

Exc. nr.	Discovery date	Square -subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	28/01/2019	A7-SE	-	5.58	283905.41	2724528.52	1604A	B

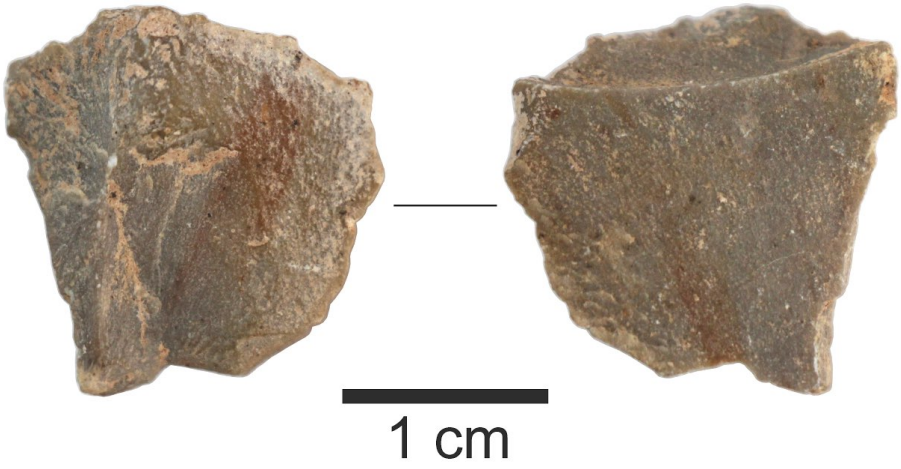
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	18.7	8	3.7	0.51	V		



Characterization. This item is a curved, ridge-following secondary blade-like flake of green limestone. It has a very small punctiform platform, at the top of the ridge, slightly lipped on the ventral edge, tilted towards the ventral side. The distal end is defined by a hinge fracture. The right half of the dorsal side is cortical. The edges show no evidence of use-wear.

#772. Item no. 3845-16556

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	03/02/2019	A7-SE	-	5.54	283905.36	2724528.55	1604A	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	19	18.7	16.4	1.75	V		



Characterization. This item is the distal fragment of a blade-like flake, separated from its proximal section by a large fracture plane, seemingly and end-shock fracture, probably produced during the extraction of the debitage element. The size of the item and its edges are suitable for the artefact to have been used as a tool (for cutting, scraping), but the close inspection reveals no clear evidence in favor.

#773. Item no. 2438-16888

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	13/01/2019	B1-SW	6.65/ 6.60	6.63	283905.77	2724522.79	1604	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		

Ef	Blade-like flake	22	10	5.2	0.92	V		

Characterization. This artefact is a thinning debitage item, a ridge-following blade-like flake with eroded surface and a wrap of abundant cemented sediment concretions that obstruct its identification as secondary or tertiary. The distal end is sharp, feather-ended, while the proximal end presents a partly broken platform, without specific preparation. The edges of the artefact have no evidence of use-wear or post-extraction anthropic modifications.

#774. Item no. 2812-16915

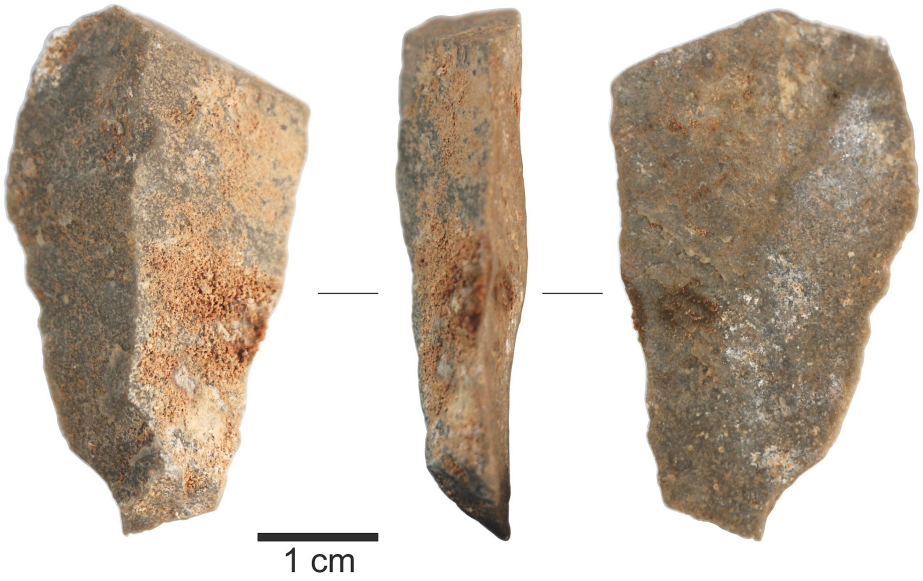
Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	17/01/2019	B5-NE	-	5.61	283906.32	2724527.38	s/1604A	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	25.4	15.8	4.7	2.03	V		

Characterization. This artefact is a tertiary blade-like flake of green limestone, with cemented sediment concretions affecting both sides, showing sharp edges, but without convincing evidence of tool functions or use-wear traces. The flake has a complex shape, with a wide convex appendage on one side, suitable for a cutting tool, possibly meant for this function, but seemingly never used. Both ends are broken, and the proximal end cannot be determined. Overall, this is a fine debitage element, part of the controlled reduction strategy of a core.

#775. Item no. 3093-17067

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	20/01/2019	C2-SE	5.95/ 5.90	5.92	283907.32	2724523.74	1604A	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	44.1	24.9	10.2	10.38	V		

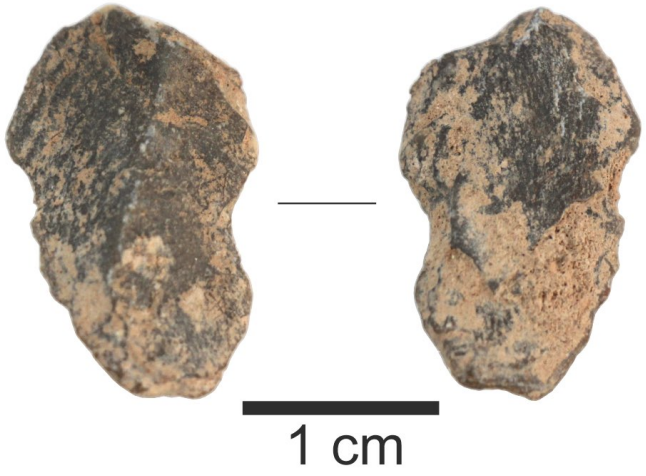
Characterization. This artefact is a primary corner blade or blade-like flake extracted by hard percussion impact from the corner of a tabular core of green limestone. This is an asymmetrical piece, with a strong wide proximal end, and a narrow, irregular distal end. The platform is very



large and heavy, occupying the entire proximal section; it is an asymmetrical dihedral platform, with the marked ridge separating the platform into two uneven flat planes, one of which was damaged by the impact. The extraction of this piece (probably a starter flake) requested a strong hit, as confirmed by the wide impact bulb whose edge is visible on the central area of the ventral side. No *eraillure* scar formed on this face. The dorsal side presents relatively symmetrical planes that meet at an angle slightly higher than 90°. The right dorsal side is covered by cemented sediment. The edges are sharp and functional, but they lack any secure evidence of the use of this item as a cutting or scraping tool.

#776. Item no. 3488-16968

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	28/01/2019	C4-SW	-	5.72	283907.03	2724525.77	1604A	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	20.1	12.4	4.6	1.12	V		



Characterization. This artefact is a tertiary blade-like flake, a thinning debitage element without sufficient evidence of post-extraction human intervention and use-wear on its edges. Both faces of the item are affected, to certain extent, by sediment depositions. The platform is rather heavy, partly collapsed, with an irregular surface, probably due to damage from the percussion instrument. The ventral side presents a shallow convexity on its proximal half. The dorsal ridge separates the dorsal side in two asymmetrical surfaces. The lateral edges show serrated profiles or notches, but these are rather products of natural processes, as they lack the micro-scars consistent with a controlled functional use of the item as a tool.

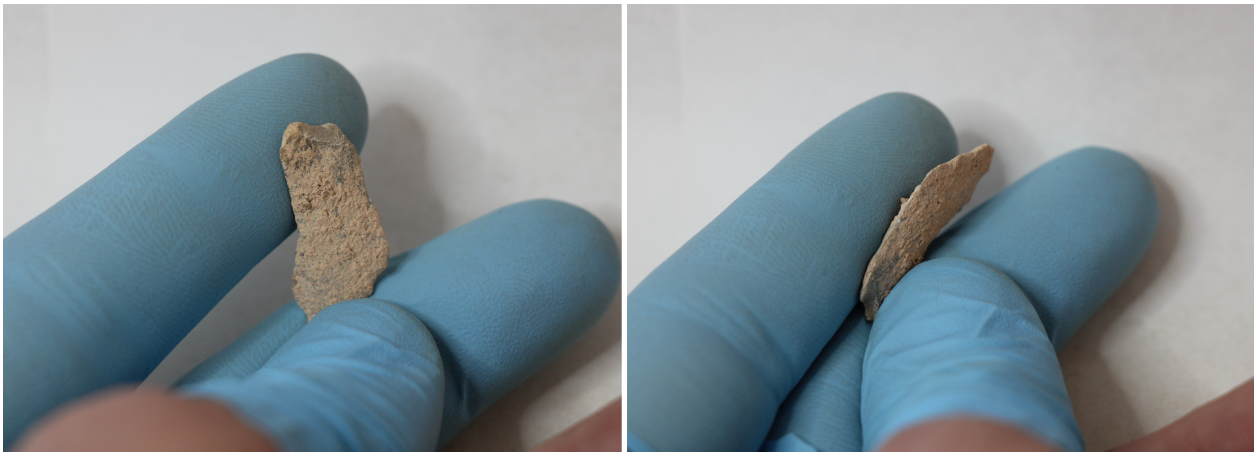
#777. Item no. 3513-16972

Exc. nr.	Discovery date	Square -subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	28/01/2019	C4-NW	-	5.73	283906.62	2724526.30	1604A	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	18	12	4.3	0.89	V		

Characterization. This debitage element is a tertiary, ridge-following blade-like flake of fine-grained green limestone. The left plane of the dorsal face is covered by carbonate sediment concretions. The platform is located at the end of the dorsal ridge; it is punctiform, minimally prepared, ground, without an *eraillure* scar or impact bulb on the ventral side, although the centre of the ventral face does present convexity. The percussion was probably bipolar, with the core sitting on an anvil, as suggested by the distal feature on the ventral side. The edges of the item show no evidence of use-wear or post-extraction modifications.

#778. Item no. 3727-16985

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	26/01/2019	A6-SE	5.80/ 5.75	5.78	283905.07	2724527.79	1604A/ 1605	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	24.7	10.2	4.1	0.96	V		



Characterization. This elongated, thin item is a tertiary blade-like flake covered by thick depositions of cemented sediment, a debitage element without visible traces of use-wear or post-extraction modifications on edges. It has a small, ground, isolated white-dotted platform easily visible at the right side of the proximal end, with the rest of the section affected by a recent fracture. The platform is slightly inclined over the smooth ventral side. The edges are sharp and thin, the distal end is feathered. The dorsal side has scars of previous extractions.

#779. Item no. 3727-16986

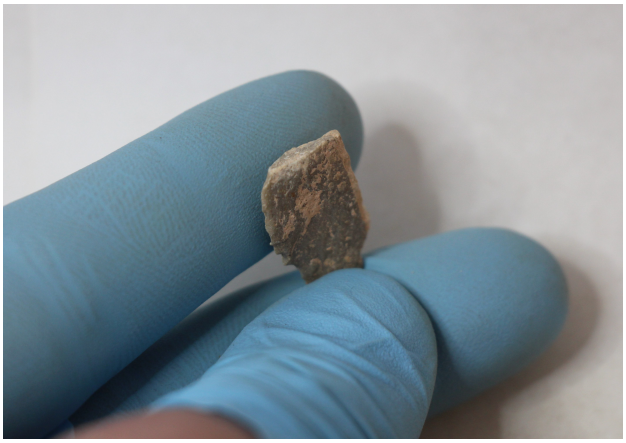
Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	26/01/2019	A6-SE	5.80/ 5.75	5.79	283905.42	2724527.84	1604A/ 1605	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		

Ef	Blade-like flake	20.2	9.3	3.4	0.58	V		

Characterization. This item is a thinning debitage element, a tertiary blade-like flake of green limestone, without visible traces of use-wear on its edges. Both faces have thick layers of cemented sediment depositions. The location of the platform is not recognizable, probably lost during extraction, but the ventral side is too flat, which may suggest that this item could also be the product of natural cleavage, instead of an artificial item.

#780. Item no. 3853-16841

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	03/02/2019	A7-SE	-	5.50	283905.29	2724528.75	1604A/ 1606	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	20.9	12.6	3.8	1.17	V		



Characterization. This artefact is a secondary blade-like flake extracted from near the corner of a tabular core of green limestone. The entire proximal edge is the platform: wide, flat, unprepared, slightly tilted towards the dorsal side. The ventral edge forms a shallow convexity, as a form of impact protuberance. The distal end is feather-ended, sharp. The edges present no traces of use-wear or post-extraction interventions.

#781. Item no. 3096-16944

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	20/01/2019	B3-SE	6.06/ 6.00	6.05	283906.22	2724524.89	1604A/ 1605	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	18.2	16.7	3.3	1.35	V		

Characterization. This artefact is a tertiary, transversal blade-like flake of fine-grained green limestone. The entire proximal edge represents the platform, narrow and flat, unprepared, partly affected by chemical erosion, together with the adjacent area of the dorsal side. The platform is not lipped, rather inclined towards the dorsal side. Two shallow *eraillure* scars confirm the identity of the ventral side, but no impact bulb is present. The edges are sharp, but lack evidence of use-wear or post-extraction modifications.

#782. Item no. 3112-16946

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	20/01/2019	B3-SE	6.00/ 5.95	5.95	283906.07	2724524.74	1604A/ 1605	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	20.5	11.7	4.8	1.35	V		

Characterization. This artefact is a secondary blade-like flake of green limestone, a debitage element without evidence of use-wear. The left half of the dorsal side is cortical. The platform area is partly collapsed under impact. Two significant *eraillure* scars are formed on the ventral side below the platform. The extraction was probably bipolar or, somehow, the distal end met counter-force during the percussion, as shown by scalar extractions on the distal ventral end.

#783. Item no. 3832-16993

Exc. nr.	Discovery date	Square -subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	03/02/2019	C4-SW	-	5.73	283906.86	2724525.63	1604A/ 1605	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	24.8	9.7	3.6	0.91	V		

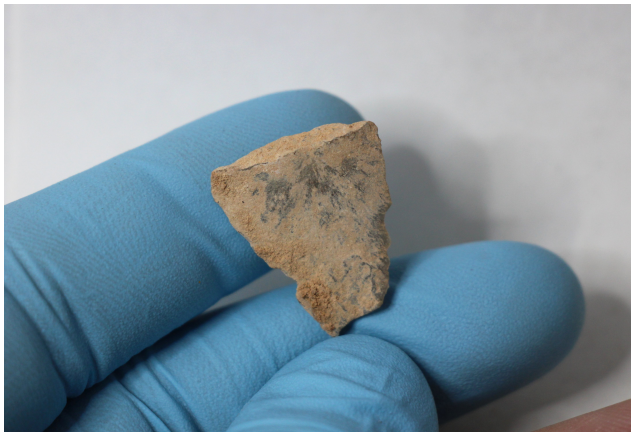
Characterization. This narrow, elongated artefact is a thinning debitage item, a tertiary blade-like flake of green limestone, slightly curved over its ventral side, and covered by a layer of sediment coating, more abundant on the dorsal side. This is probably a corrective or stack-removal flake. The wider end is the proximal, with a triangular, partly collapsed platform, inclined towards the ventral side. The distal end is thinner and plunging. No traces of use-wear exist on the edges of the artefact, and it was never used as a tool.

#784. Item no. 4170-17010

Exc. nr.	Discovery date	Square -subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	12/02/2019	C5-SW	-	5.52	283906.67	2724526.95	1604A/ 1606	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	21.7	18.4	4.5	1.69	V		

Characterization. This triangular artefact is the distal fragment of a blade or blade-like flake of green limestone, coated by orange-brown sediment patina on both faces and on the proximal fracture plane, which obstructs the definition of the artefact as a primary, secondary or tertiary

debitage item. The wider end is the transversal fracture plane, not a platform, totally coated by the patina. The distal end is also broken. The thin, sharp edges are areas of interest, as they present serrated profiles and micro-notches that could have been produced by use-wear. However, a closer inspection reveals that these features were produced naturally, probably by the weight of the matrix against the thin edges. The evidence for a tool function is insufficient.



#785. Item no. 3202-16952

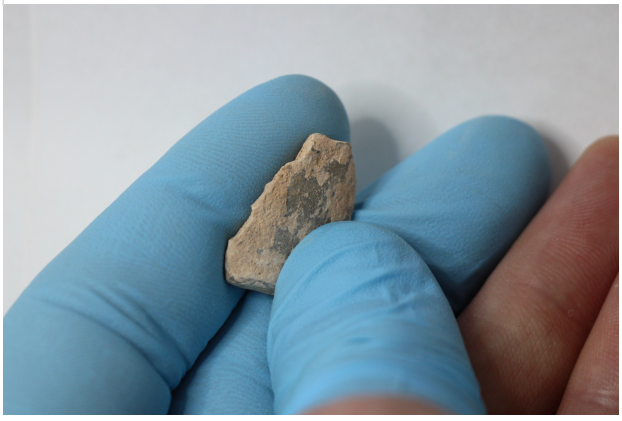
Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	22/01/2019	A6-NW	-	5.80	283904.61	2724528.20	1605	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	18.3	10	5.5	0.91	V		

Characterization. This small item is a ridge-following secondary blade-like flake of pale-green limestone. The right side of the dorsal face is cortical, and the flat surface suggests a tabular parent core. The platform is triangular and slightly faceted, also ground to certain degree, and lipped on its ventral side, although the feature is obstructed by the thick cemented sediment depositions that cover most of the ventral face. This is only a debitage element, as there is no evidence of use-wear on its edges.

#786. Item no. 3208-16953

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	22/01/2019	A6-NW	-	5.77	283904.66	2724528.29	1605	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	20.3	14.6	5.6	1.97	V		

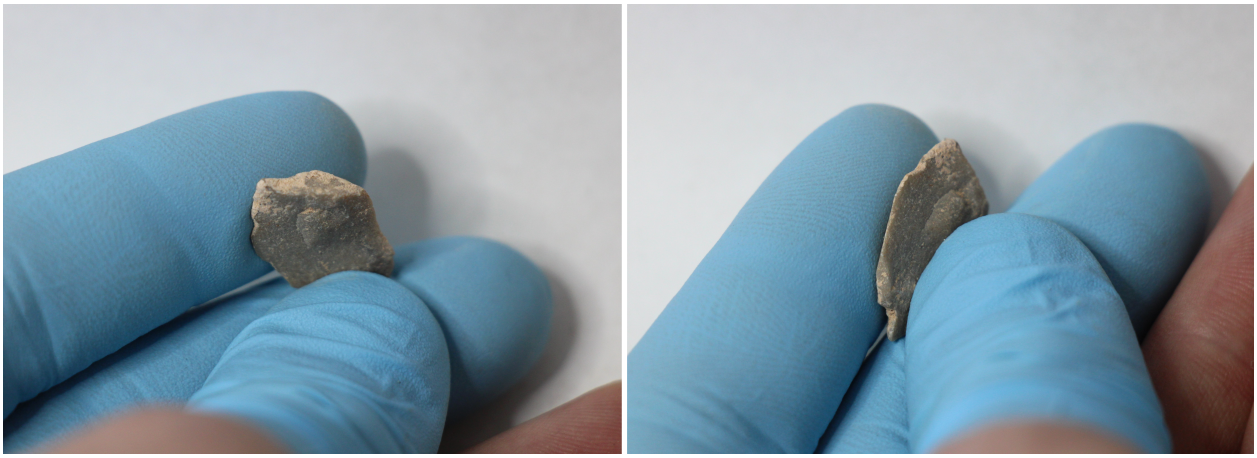
Characterization. This artefact is a secondary, ridge-following blade-like flake of green limestone, coated by a continuous layer of cemented sediment on both sides. The proximal end is the wider one, containing the long, wide, flat platform, non-lipped, but slightly tilted towards the ventral side, without associated *eraillure* scar or impact bulb. The edges are sharp



and seem to present certain degree of use-wear and specific retouch scars. However, the coating of sediment makes the proper interpretation of these features difficult.

#787. Item no. 3220-16776

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	21/01/2019	A6-NW	5.77/ 5.73	5.75	283904.92	2724528.19	1605	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	16	12.5	4.7	1.06	V		

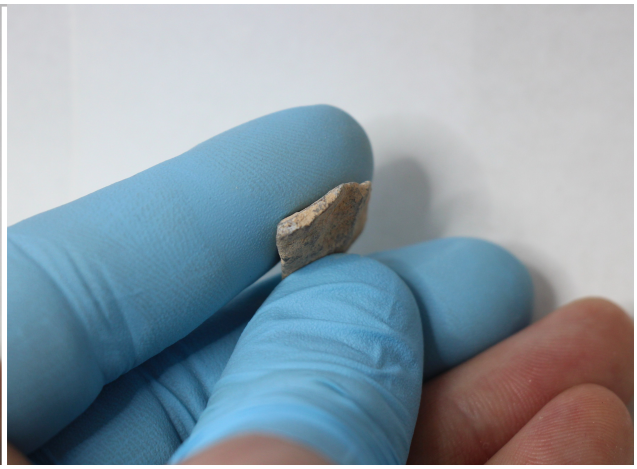


Characterization. This artefact is a tertiary, ridge-following blade-like flake of green limestone, with orange-brown sediment depositions on the dorsal side, and a feathered distal end. The entire proximal end is the platform, wide and flat, unprepared, associated with an impact protuberance on the ventral side. The curved right edge has a wavy profile, but lack sufficient evidence to be considered as the use-wear of a working edge.

#788. Item no. 3887-16995

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	03/02/2019	C4-SW	-	5.69	283906.89	2724525.73	1605	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	20.7	15.3	6	1.89	V		

Characterization. This artefact is a fragmented tertiary blade-like flake, with both surfaces covered by a thick coating of cemented sediment. The coating obstructs the understanding of



this being the proximal or the distal fragment of a debitage element. What is clear is that the wider end is a transversal fracture plane. The diagonal protuberance on the ventral side is probably a large impact ripple, indicating the flake was obtained by a strong impact. The edges lack evidence of use-wear or post-extraction anthropic modifications.

#789. Item no. 3955-16996

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	05/02/2019	C4-SW	-	5.68	283906.84	2724525.92	1605	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		

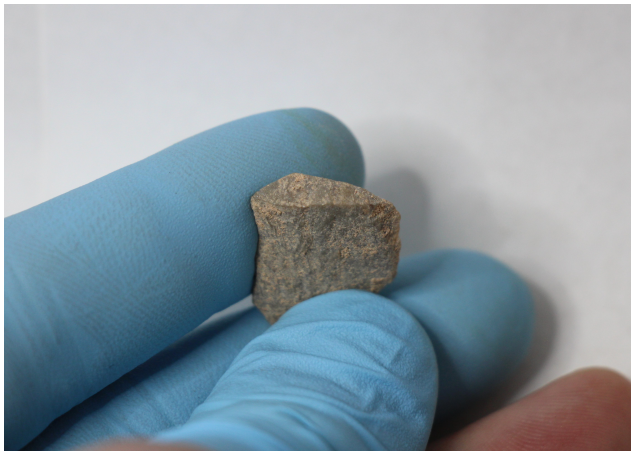
Ef	Blade-like flake	17.6	8	3	0.40	V		

Characterization. This small, thin debitage item is a tertiary blade-like flake of green limestone, without evidence of use-wear on its thin, sharp edges. The proximal end is the narrow one, with the platform collapsed during percussion. The ventral side is slightly curved, covered by sediment depositions. The distal end is rounded. The dorsal ridge is displaced to the right.

#790. Item no. 4043-16860

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	06/02/2019	C4-SW	5.65/ 5.60	5.63	283906.72	2724525.54	1605	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	20	15.7	4	1.66	V		

Characterization. This artefact is a (seemingly) thinning/tertiary and possibly *outrepassé* blade-like flake of green limestone, with the dorsal side heavily coated by sediment concretions. The proximal end is the wider one. The platform is cortex-free, possibly faceted, rounded, slightly tilted towards the ventral side. No evidence of use-wear can be observed on the edges.



#791. Item no. 4085-17423

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	08/02/2019	C4-SE	-	5.62	283907.03	2724525.65	1605	B

Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	27.5	14.6	6.5	2.42	V		

Characterization. This artefact is a tertiary blade-like flake of green limestone, with a sharp feathered termination. This can also be interpreted as a point on flake (for which reason it appears represented upside down in the illustration above, with the platform shown downwards), but the edges of the item lack clear indicators of further transformations, like trimming or retouch, so it cannot be technically considered a transformed debitage element. The platform is located axially, at the larger end, and the ventral side is slightly concave.

#792. Item no. 4163-17007

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	12/02/2019	C4-SE	-	5.52	283907.37	2724525.75	1605/ 1606	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		

Ef	Blade-like flake	24.2	11.7	4.9	1.28	V(b)		

Characterization. This artefact is a blade-like flake of black limestone, a debitage element without evidence of use-wear or post-extraction modifications. The platform, on the pointy end, is not very clear; apparently, it is a broken dihedral platform. It is difficult to determine whether the wider end is the distal end of an *outrepassé* piece, or whether it is a straight fracture plane that removed the distal section of a larger artefact. Both sides are covered by an uneven layer of sediment depositions.

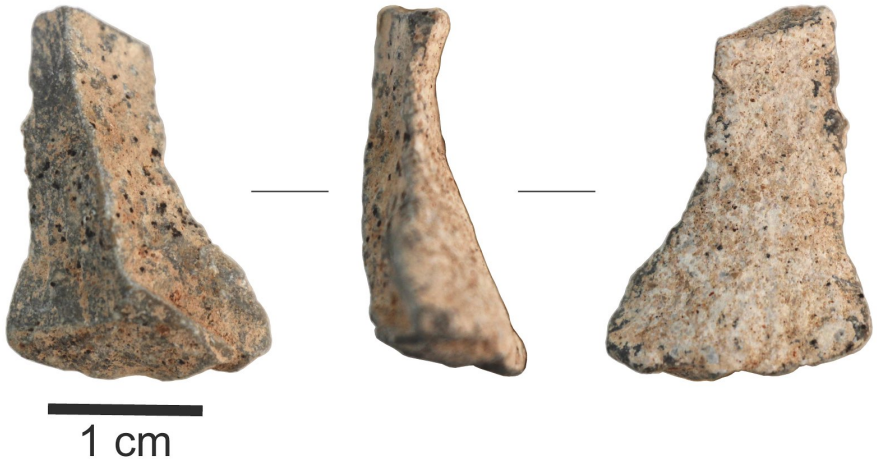
#793. Item no. 3246-17079

Exc. nr.	Discovery date	Square -subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	22/01/2019	B1-NE	-	6.39	283906.22	2724523.39	1607	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	36.3	21	7	4.38	V		

Characterization. This artefact is a relatively large, wide, tertiary blade-like flake, a thinning debitage element of green limestone without evidence of use-wear or modifications on its sharp edges, with the overall aspect somehow reminding of a “Levallois-like” flake (shape only, no other implications). It has a feathered distal termination and all planes conforming the dorsal side represent previous extractions. It has a thin, marginal platform, partly collapsed, with its ventral edge inclined over the ventral side. The ventral face has a rolling micro-topography.

#794. Item no. 3437-16963

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	22/01/2019	C3-SW	5.90/ 5.85	5.63	283904.66	2724528.93	1607?	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	24.4	16.6	6.2	2.09	V		



Characterization. This surface-eroded artefact is an *outrepassé* corner blade or blade-like flake, extracted from a tabular core. The surface is eroded and the features are infilled with sediment depositions that obstruct the correct appreciation of the morphology of the piece. It is difficult to define whether the two planes of the ridge-following dorsal side are previous extraction scars or cortical surfaces. The ventral side is curved, and completely covered by thick uniform cemented sediment. The item has a flat, wide platform, non-lipped, but strongly tilted over the ventral side. The blade-like flake plunges into the opposite surface of the parent nodule,

adopting the shape of an endscraper. However, the distal edge shows no evidence of neither retouch or use-wear, indicating that this corner debitage element has never been used as a tool, despite its apparently promising shape.

#795. Item no. 3713-16983

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	25/01/2019	B2-SE	-	6.05	283906.27	2724523.94	1607/ 1608	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	22	10.3	3.6	0.88	B		

Characterization. This surface-eroded item is a blade-like flake made of the poorer, gray-

blueish limestone variety. Because of the erosion of the piece, it is difficult to establish whether it is a primary, secondary or tertiary debitage element. The platform is flat, small, and isolated, seemingly by pressure, on both sides. The platform is associated with a narrow but pronounced impact protuberance on the proximal end of the curved ventral side. The distal section is missing. The edges are sharp, but lack evidence of use-wear or other post-extraction modifications.

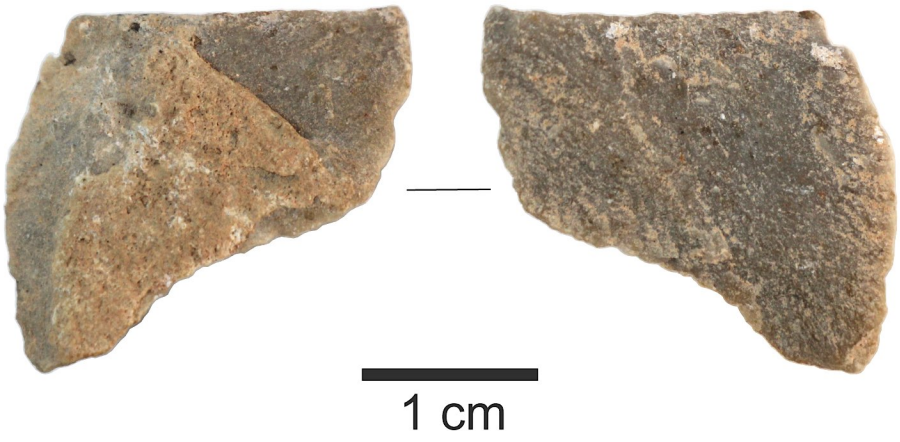
#796. Item no. 3430-17352

Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	23/01/2019	B2-NE	-	6.03	283906.29	2724524.19	1607/ 1608A	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	33	20.3	8.9	6.27	V		

Characterization. This item is a debitage element, a thick tertiary blade-like flake of dark-green limestone, without post-extraction modifications or use-wear on edges. It has a plunging

trajectory, a converging distal end, and a slightly curved ventral side covered by carbonate depositions. The item has a large, heavy, flat platform, tilted to the left, probably slightly faceted but eroded, with an associated *eraillure* scar on the ventral face. The same proximal area had been the origin for multiple successive impacts applied before the extraction; most likely, failed extraction attempts. This resulted in the almost complete disappearance of the platform, and in an accumulation of overlapped scars at the right of the flake's platform.

#797. Item no. 3368-16788



Exc. nr.	Discovery date	Square-subsq.	Depth range Z(D)	Depth Z(datum)	UTM E (x)	UTM N (y)	Stratum	Stratig. comp. (SC)
X16	23/01/2019	B2-NE	-	6.00	283906.33	2724524.30	1607/ 1608A	B
Taxon code	Taxon definition	Length (mm)	Width (mm)	Thickness (mm)	Weight (g)	Raw material class		
Ef	Blade-like flake	21	18.4	3.3	1.47	V		

Characterization. This fine artefact is a thin, secondary blade-like flake of green limestone, with a light-brown cortex on most of the flat dorsal side. A straight transversal fracture plane defines the wide proximal end from where the platform is missing. There is a decortication flake scar on the dorsal proximal half, probably produced by previous flaking attempts. The artefact has a slightly curved shape over its ventral side, and a plunging, sharp, feather-ended distal end. No use-wear or post-extraction modifications are visible on the surface or edges of the item.