

[Supplementary material]

**The effects of heavy-duty machinery on the formation of pseudo-knapping debitage in Stone Age cultural landscapes**

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**Table S1. Technological and metric information provided by detached flakes. SRT stands for the Sullivan and Rozen (1985) technology nomenclature. A slash refers to a value or category that is not applicable; cortex refers to the percentage of cortex on the dorsal surface of flakes only, which is why there are some values of 100 per cent.**

#	Platform	Bulb	Initiation	Termination	SRT	Flake scars	Cortex %	Length (mm)	Width (mm)	Thickness	Debitage technological type	Probability of mistaking for anthropogenic
F01	Yes	No	Bending	Feather	Complete	3	60	44	13	11	Cortical flake	Low
F02	No	Yes	Hertzian	Feather	Fragment	3	40	23	19	7	Cortical flake	Medium
F03	Yes	Yes	Hertzian	Snap	Broken	0	100	2	13	4	Cortical flake	Low
F04	Yes	Yes	Hertzian	Hinge	Broken	3	0	24	13	4	Bifacial thinning flake	High
F05	No	Yes	Hertzian	Feather	Fragment	0	90	19	16	2	Cortical flake	High
F06	No	No	Wedging	Feather	Fragment	2	0	22	7	3	Bipolar flake	Low
F07	No	No	Wedging	Step	Fragment	2	0	25	9	4	Bipolar flake	Medium
F08	No	Yes	Hertzian	Feather	Fragment	2	30	9	19	4	/	Medium
F09	Yes	Yes	Hertzian	Hinge	Broken	3	0	23	12	6	Bifacial thinning flake	High
F10	No	No	Bending	Feather	Debris	1	0	9	30	3	/	Low
F11	Yes	No	Wedging	Feather	Complete	2	0	26	10	3	Bipolar flake	High
F12	Yes	Yes	Hertzian	Snap	Broken	3	0	28	21	5	Bifacial thinning flake	Low
F13	No	No	Bending	Feather	Fragment	1	0	19	12	3	Regular	Medium
F14	No	Yes	Hertzian	Feather	Fragment	1	0	17	15	13	/	Medium
F15	Yes	No	Bending	Step	Broken	0	100	31	16	6	Cortical flake	Low
F16	Yes	No	Bending	Plunging	Debris	0	100	48	26	8	Cortical flake	Low

<b>F17</b>	Yes	No	Bending	Step	Debris	1	0	55	28	7	Regular flake	Low
<b>F18</b>	Yes	No	Bending	Feather	Fragment	0	100	19	35	6	Cortical flake	Low
<b>F19</b>	No	No	Bending	Feather	Debris	0	100	36	9	4	Bipolar flake	Low
<b>F20</b>	No	No	Bending	Feather	Debris	1	20	20	24	11	/	Low
<b>F21</b>	Yes	No	Wedging	Feather	Fragment	3	20	25	22	11	Platform prep. flake	Low
<b>F22</b>	No	No	/	/	Debris	7	0	21	14	12	Bipolar flake	Low
<b>F23</b>	Yes	No	Bending	Feather	Broken	1	80	23	15	9	Cortical flake	Low
<b>F24</b>	Yes	No	Bending	Feather	Debris	3	0	31	17	6	Bipolar flake	Low
<b>F25</b>	No	No	Bending	Plunging	Debris	4	0	42	23	13	Bipolar flake	Low
<b>F26</b>	Yes	Yes	Hertzian	Plunging	Complete	1	100	43	19	12	Cortical bipolar	High
<b>F27</b>	Yes	Yes	Hertzian	Plunging	Complete	0	100	33	41	13	Cortical flake	Low
<b>F28</b>	No	Yes	Bending	Plunging	Debris	1	0	27	15	7	/	Low
<b>F29</b>	Yes	Yes	Wedging	Feather	Debris	3	0	23	5	1	Scraper retouch flake	Low
<b>F30</b>	No	Yes	Wedging	Hinge	Broken	2	10	23	10	5	Bipolar flake	High
<b>F31</b>	Yes	Yes	Hertzian	Step	Broken	1	10	27	15	6	Cortical flake	Low
<b>F32</b>	Yes	Yes	Wedging	Feather	Complete	2	0	16	22	3	/	Low
<b>F33</b>	Yes	Yes	Hertzian	Step	Broken	3	0	25	9	5	/	Low
<b>F34</b>	Yes	No	Wedging	Step	Broken	3	0	22	17	8	Bipolar flake	Low
<b>F35</b>	Yes	No	Bending	Plunging	Fragment	1	50	24	21	11	/	Low
<b>F36</b>	Yes	Yes	Hertzian	Plunging	Broken	5	0	26	16	9	Bipolar flake	Medium
<b>F37</b>	Yes	No	Wedging	Plunging	Fragment	4	0	16	17	6	Bipolar flake	Low
<b>F38</b>	No	No	/	Feather	Debris	3	0	22	11	3	Cortical flake	Low
<b>F39</b>	No	Yes	Hertzian	Plunging	Fragment	0	100	14	19	7	Cortical flake	Low
<b>F40</b>	No	Yes	Hertzian	Snap	Fragment	1	90	12	26	4	Cortical flake	Low
<b>F41</b>	No	No	Wedging	Snap	Debris	4	20	21	1	11	Bipolar flake	Low
<b>F42</b>	No	Yes	Bending	Plunging	Debris	5	0	21	26	8	/	Low
<b>F43</b>	Yes	Yes	Hertzian	Step	Broken	3	0	22	9	5	Bifacial thinning flake	Low
<b>F44</b>	No	No	Wedging	Feather	Fragment	3	20	22	14	7	Bipolar flake	Low
<b>F45</b>	Yes	Yes	Hertzian	Hinge	Broken	3	10	21	10	16	Platform prep. flake	Low
<b>F46</b>	No	No	Wedging	Plunging	Debris	2	50	21	18	10	Bipolar flake	Low
<b>F47</b>	Yes	No	Hertzian	Plunging	Broken	2	0	16	14	6	/	Low
<b>F48</b>	Yes	Yes	Hertzian	Feather	Complete	0	50	13	13	2	Cortical flake	Low
<b>F49</b>	No	No	Bending	Feather	Debris	3	0	18	6	4	Regular flake	Low
<b>F50</b>	No	No	Bending	Feather	Debris	3	0	14	6	3	Regular flake	Low
<b>F51</b>	Yes	Yes	Hertzian	Feather	Complete	2	0	11	14	5	Regular flake	Low
<b>F52</b>	Yes	Yes	Hertzian	Plunging	Complete	4	0	17	12	6	Regular flake	Low
<b>F53</b>	No	No	Wedging	Step	Debris	2	0	18	9	5	Bipolar flake	Low

<b>F54</b>	No	No	Wedging	Feather	Fragment	1	20	22	10	4	Bipolar flake	Low
<b>F55</b>	No	No	/	/	Debris	2	10	19	16	8	/	Low
<b>F56</b>	No	No	Hertzian	Step	Debris	3	0	11	11	3	/	Low
<b>F57</b>	Yes	Yes	Hertzian	Plunging	Complete	2	0	16	16	4	Bifacial thinning flake	Low
<b>F58</b>	No	Yes	/	Feather	Debris	1	0	18	10	6	/	Low
<b>F59</b>	No	Yes	Hertzian	Plunging	Debris	0	100	58	20	15	Cortical flake	Low
<b>F60</b>	No	No	Wedging	Feather	Debris	0	100	32	31	13	Cortical flake	Low
<b>F61</b>	Yes	Yes	Hertzian	Step	Broken	0	100	42	34	11	Cortical flake	Low
<b>F62</b>	No	No	/	Step	Debris	3	0	9	10	2	Bipolar flake	Low
<b>F63</b>	Yes	Yes	Hertzian	Feather	Complete	2	0	11	12	3	Regular flake	Low
<b>F64</b>	Yes	No	Bending	Plunging	Complete	1	30	13	10	3	Regular flake	Low
<b>F65</b>	Yes	Yes	Hertzian	Step	Broken	0	100	8	14	1	Regular flake	Low
<b>F66</b>	No	No	Wedging	Feather	Debris	1	0	13	8	1	Bipolar flake	Low
<b>F67</b>	Yes	Yes	Hertzian	Feather	Complete	2	0	7	9	4	Regular flake	High
<b>F68</b>	No	No	/	Plunging	Debris	2	0	15	8	4	Bipolar flake	Low
<b>F69</b>	No	No	Wedging	Step	Debris	1	10	28	12	6	Bipolar flake	Low
<b>F70</b>	No	No	Wedging	Step	Debris	1	70	19	9	9	Bipolar flake	Low
<b>F71</b>	No	No	Wedging	Plunging	Debris	1	50	17	9	6	Bipolar flake	Low
<b>F72</b>	No	No	Wedging	Step	Debris	3	0	24	12	9	/	Low
<b>F73</b>	No	No	Wedging	Plunging	Debris	3	0	8	11	6	/	Low
<b>F74</b>	No	No	Wedging	Step	Debris	3	20	17	12	9	/	Low
<b>F75</b>	No	No	Wedging	Plunging	Debris	0	0	24	8	6	/	Low
<b>F76</b>	No	No	Wedging	Step	Debris	1	50	17	9	6	/	Low
<b>F77</b>	No	No	Wedging	Step	Debris	3	0	24	12	12	/	Low
<b>F78</b>	No	No	Wedging	Step	Debris	3	0	8	11	6	/	Low
<b>F79</b>	No	No	Wedging	Plunging	Debris	3	20	17	12	9	/	Low
<b>F80</b>	No	No	Wedging	Step	Debris	0	0	24	8	6	/	Low