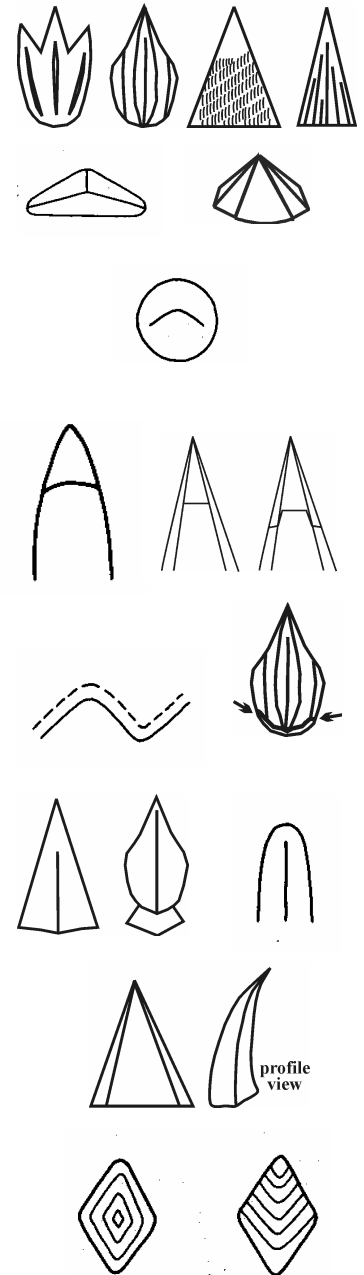


APPENDIX 1.2

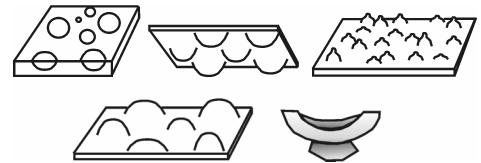
Coded utilitarian ichthyolith identification system step 2. To determine the “**features on the upper crown surface**” of the ichthyolith, select one or more characters from the list below.^{2, 31}

b. Features on the upper crown surface (within or on the outline and excluding the tooth base or scale base/pedicle)^{2, 19, 31, 32}

0. indeterminate
1. none of the following^{2, 8, 9, 19, 31}
2. parallel or subparallel lines, ridges, and (or) keels; which if they radiate, radiate from an edge or from a point on the margin^{2, 8, 9, 19, 31}
3. lines or ridges radiating from approximate centre of crown^{2, 8, 9, 19, 31}
4. in an elliptical or subcircular form, one single or double, straight or arcuate line or ridge across greatest dimension^{2, 8, 9, 19}
5. in triangular forms, a transverse line (the transverse line is the nearest line to the base that extends at least from one side of the inline to the other; and may extend to one or both outline margins); frequently the transverse line separates the tooth crown from the tooth base^{2, 8, 9, 19}
6. a distinct curved or undulating line or ridge approximately parallel to a curved, undulating or dentate edge^{2, 8, 9, 19, 31}
7. one median line, ridge, or keel^{2, 8, 9, 19, 32}
8. in triangular forms, a flanged occlusal crest that forms a cutting edge on two margins of tooth; it extends from tooth crown apex to its base on both margins³²
9. concentric lines^{9, 19}



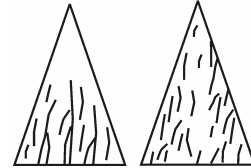
10. pores, pitted, stippled or nodular surface, or central depression^{19, 22, 32}



11. granular surface³¹



12. short or long irregular lines or ridges, may bifurcate basally³²



13. scalloped texture³²

