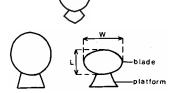
APPENDIX 1.1

Coded utilitarian ichthyolith identification system step 1. To determine the "**general outline**" of the ichthyolith, select one or more characters from the list below. ²

a. General outline:²

- 0. indeterminate
- 1. none of the following 2, 8, 9, 19, 31
- 2. elliptical or lanceolate, one edge acutely dentate; may have platform or pedicle ^{2, 4, 8, 9, 19, 31, 32}
- 3. polygonal without a platform or pedicle ^{2, 9, 19, 31}
- 4. lanceolate or somewhat polygonal with a platform or pedicle ^{2, 9, 19, 31}
- 5. circular to elliptical with a platform or pedicle; if elliptical, width greater than length ^{2, 8, 9, 19, 31}
- 6. elliptical with a platform or pedicle; length greater than width ^{2, 8, 9, 19, 31}
- 7. approximately triangular with two or three lateral projections ^{9,19}
- 8. approximately triangular with straight or curved axis, and with a prominent angular flexure (*a* must be at least 0.2 the length of *b*) of one or both margins ^{2,8,9,19}
- 9. approximately triangular or conical with straight or curved axis, and without prominent flexure of either margin ^{2, 8, 9, 19}
- 10. multicuspid with cusps of equal size 9,19















11. multicuspid with cusps of unequal size ^{9, 19}
12. dome-shaped ^{9, 19}
13. mushroom-shaped with rounded or flattened surface, with a platform or pedicle ^{9, 19, 31, 32}
14. pyramid-shaped ^{9, 19}
15. bar-shaped ^{9, 19}
16. circular to subcircular without a platform or pedicle ^{19, 31}
17. Sail-shaped, crown triangular, taller than wide, and with curved diagonal on a flaring pedicle that is broader at its basal edges than crown ^{30, 31}