Table 1: Taxonomic Richness (Species, Genera, and Families) from Different Sample Types from Kit’n’Kaboodle, 49-DIX-46. The counts were of the lowest taxonomic level possible, for example, a family level identification would only be counted if there were no representatives of that family identified to the genus or species level for that sample.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | fish |  |  |  | #taxa | birds |  |  |  | #taxa | mammals |  |  | #taxa | Total |
|  | n= | #spe | #gen | #fam |  | n= | #spe | #gen | #fam |  | n= | #spe | #gen | #fam |  | #taxa |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mustelid Strata - 1998 Test Pit 3, I & IV | 893 | 19 | 10 | 5 | 34 | 28 | 5 | 3 | 2 | 10 | 15 | 2 | 1 | 0 | 3 | 47 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cultural Strata - 1998 Test Pit 3, II, III, V | 1286 | 6 | 7 | 6 | 19 | 35 | 7 | 1 | 0 | 8 | 953 | 6 | 0 | 1 | 7 | 34 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Main Cave Test Pit 3 - bulk samples | 173 | 4 | 3 | 1 | 8 | 1 | 1 | 0 | 0 | 1 | 10 | 1 | 0 | 0 | 1 | 10 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Main Cave Test Pit 3 - 1/4" samples | 162 | 3 | 1 | 0 | 4 | 11 | 3 | 1 | 0 | 4 | 65 | 4 | 0 | 0 | 4 | 12 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Probes - bulk samples | 381 | 5 | 3 | 5 | 13 | 6 | 0 | 0 | 0 | 0 | 276 | 1 | 0 | 0 | 1 | 14 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Probes - 1/4" samples | 38 | 1 | 1 | 0 | 2 | 4 | 2 | 0 | 0 | 2 | 13 | 1 | 0 | 0 | 1 | 5 |
|  | 2933 |  |  |  |  | 85 |  |  |  |  | 1332 |  |  |  |  |  |

Table 2. Stage 1 Volumetric Analysis of Unscreened “Bone Meal” Samples from Surface and Stratum IV of Test Pit 3, North Rockshelter. As described in the text, “large” vertebrae were defined as centra >2mm and “small” vertebrae were defined as centra <2mm.

|  |  |  |  |
| --- | --- | --- | --- |
|  | NISP | Weight | Volume |
|  | (g) | (ml) |
| SURFACE |  |  |  |
| Shell | N/A | 66.30 | 85.00 |
| Large Vertebrae | 37 | 1.10 | 4.50 |
| Small Vertebrae | 93 | 0.50 | 3.25 |
| Other Fish Bone | 52 | 1.40 | 5.25 |
| Residual | N/A | 8.00 | 29.50 |
| Total |  | 77.30 | 127.50 |
|  |  |  |  |
| STRATUM IV |  |  |  |
| Shell | N/A | 8.00 | 12.50 |
| Large Vertebrae | 29 | 0.40 | 2.00 |
| Small Vertebrae | 233 | 0.50 | 2.00 |
| Other Fish Bone | 12 | 0.20 | 1.25 |
| Residual | N/A | 9.10 | 24.75 |
| Total |  | 18.20 | 42.50 |

Table 3. Stage 2 Volumetric Analysis of Unscreened “Bone Meal” Samples from Surface and Stratum IV of Test Pit 3, North Rockshelter; Fish Bone (NISP) Quantified from Subsamples of “Residual.” As described in the text, “large” vertebrae were defined as centra >2mm and “small” vertebrae were defined as centra <2mm. “Large” scales were defined as >2mm in length, and “small” scales were <2mm.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Subsample 1 | Subsample 2 | Subsample 3 | Total 2 ml | Estimated |
|  | (0.66 ml) | (0.66 ml) | (0.66 ml) |  | (x 14.75) |
|  |  |  |  |  |  |
| SURFACE |  |  |  |  |  |
| Large Vertebrae | 0 | 0 | 0 | 0 | 0 |
| Small Vertebrae | 1 | 1 | 0 | 2 | 30 |
| Large Scales | 12 | 15 | 8 | 35 | 516 |
| Small Scales | 43 | 27 | 56 | 126 | 1859 |
| Other Fish Bone | 11 | 8 | 12 | 31 | 457 |
|  |  |  |  |  |  |
| STRATUM IV |  |  |  |  | (x 12.375) |
| Large Vertebrae | 0 | 0 | 0 | 0 | 0 |
| Small Vertebrae | 1 | 2 | 1 | 4 | 50 |
| Large Scales | 5 | 8 | 9 | 22 | 272 |
| Small Scales | 39 | 51 | 30 | 120 | 1485 |
| Other Fish Bone | 26 | 17 | 26 | 69 | 854 |

Table 4. Volumetric Analysis of “Bone Meal” Samples from Surface and Stratum IV of Test Pit 3, North Rockshelter, based on Stage 1 and Stage 2 Analyse.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | NISP (stage 1) | Estimated NISP(stage 2) | Total NISP | NISP/ml |
|  |  |  |  |  | (/42.5) |
| SURFACE |  |  |  |  |  |
| Large Vertebrae |  | 37 | 0 | 37 | 0.87 |
| Small Vertebrae |  | 93 | 30 | 123 | 2.89 |
| Large Fish Scales |  | N/A | 516 | 516 | 12.14 |
| Small Fish Scales  |  | N/A | 1859 | 1859 | 43.74 |
| Other Fish Bone |  | 52 | 457 | 509 | 11.98 |
| Total |  | 182 | 2862 | 3044 | 71.62 |
|   |  |  |  |  |  |
| STRATUM IV |  |  |  |  | (/30.0) |
| Large Vertebrae |  | 29 | 0 | 29 | 0.97 |
| Small Vertebrae |  | 233 | 50 | 283 | 9.43 |
| Large Fish Scales |  | N/A | 272 | 272 | 9.07 |
| Small Fish Scales  |  | N/A | 1485 | 1485 | 49.50 |
| Other Fish Bone |  | 12 | 854 | 866 | 28.87 |
| Total |  | 274 | 2661 | 2935 | 97.83 |

Table 5 Kit’n’Kaboodle Vertebrate Remains (NISP) Summary (Families are ordered alphabetically within class.)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | 1998 Test Pit 3 | Main Cave | Probes | Total |
|  |  | I & IV | II, III, V | bulk | 1/4" | bulk | 1/4" |  |
| TAXON | COMMON NAME |  |  |  |  |  |  |  |
| **FISH** |  |  |  |  |  |  |  |  |
| Anarchichadidae |  |  |  |  |  |  |  |  |
| *Anarrhichthys ocellatus* | wolf-eel  | 32 |  |  |  |  |  | 32 |
|  |  |  |  |  |  |  |  |  |
| Clupeidae |  |  |  |  |  |  |  |  |
| *Clupea pallasi* | Pacific herring  | 6 | 7 | 3 |  | 9 |  | 25 |
|  |  |  |  |  |  |  |  |  |
| Cottidae | sculpin | 91 | 79 | 1 |  | 8 |  | 179 |
| *Artedius fennestralus* | padded sculpin | 1 |  |  |  |  |  | 1 |
| *Artedius* cf. *harringtoni* | scalyhead sculpin | 1 |  |  |  |  |  | 1 |
| *Artedius lateralis* | smoothead sculpin | 1 |  |  |  |  |  | 1 |
| *Cottus asper* | prickly sculpin | 1 |  |  |  |  |  | 1 |
| *Enophrys* sp. | buffalo-type sculpin | 14 |  |  |  |  |  | 14 |
| *Enophrys bison* | buffalo sculpin | 1 | 3 |  |  |  |  | 4 |
| *Hemilepidotus* sp. | Irish lord | 35 | 2 |  |  |  |  | 37 |
| *Hemilepidotus hemilepidotus* | red Irish lord | 2 |  |  |  |  |  | 2 |
| *Oligocottus maculatus* | tidepool sculpin | 8 | 4 |  |  |  |  | 12 |
|  |  |  |  |  |  |  |  |  |
| Gadidae |  | 1 | 2 |  |  | 4 |  | 7 |
| *Gadus chalcogramma* | walleye pollock  | 10 |  |  |  |  |  | 10 |
| *Gadus macrocephalus* | Pacific cod |  |  |  | 2 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| Gasterosteidae |  |  |  |  |  |  |  |  |
| *Gasterosteus aculeatus* | threespine stickleback | 1 |  |  |  |  |  | 1 |
|  |  |  |  |  |  |  |  |  |
| Gobiesocidae |  |  |  |  |  |  |  |  |
| *Gobiesox maeandricus* | northern clingfish  | 18 |  |  |  |  |  | 18 |
|  |  |  |  |  |  |  |  |  |
| Hexagrammidae |  |  |  |  |  |  |  |  |
| *Hexagrammos* sp.  | greenling | 56 | 86 | 1 |  | 8 |  | 151 |
| *Hexagrammos lagocephalus* | rock greenling |  |  | 1 |  | 3 |  |  |
| *Ophiodon elongatus* | lingcod |  |  |  | 2 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| Liparididae |  | 4 |  |  |  |  |  | 4 |
| *Careproctus* sp. | snailfish | 2 |  |  |  |  |  | 2 |
|  |  |  |  |  |  |  |  |  |
| Osmeridae |  |  |  |  |  |  |  |  |
| *Mallotus villosus* | capelin | 90 | 2 |  |  |  |  | 92 |
|  |  |  |  |  |  |  |  |  |
| Pholidae | gunnel | 139 | 7 |  |  | 1 |  | 147 |
| *Pholis* cf. *laeta* | cf. crescent gunnel |  | 1 |  |  |  |  | 1 |
|  |  |  |  |  |  |  |  |  |
| Pleuronectidae | flatfish |  | 10 |  |  |  |  | 10 |
| *Hippoglossoides elassodon* | flathead sole | 1 |  |  |  |  |  | 1 |
| *Hippoglossus stenolepis* | Pacific halibut |  | 13 | 1 | 2 | 1 | 4 | 21 |
| *Lepidopsetta* sp. | rock sole | 1 |  |  |  |  |  | 1 |
| *Platichthys stellatus* | starry flounder | 1 |  |  |  |  |  | 1 |
|  |  |  |  |  |  |  |  |  |
| Rajidae |  |  |  |  |  |  |  |  |
| *Raja* sp.  | skate |  |  |  |  | 1 |  |  |
|  |  |  |  |  |  |  |  |  |
| Salmonidae |  |  | 2 |  |  |  |  | 2 |
| *Oncorhynchus* spp. | salmon | 2 | 5 | 1 |  |  |  | 8 |
|  |  |  |  |  |  |  |  |  |
| Scorpaenidae |  |  |  |  |  |  |  |  |
| *Sebastes* sp. | rockfish | 46 | 117 | 25 | 77 | 9 | 14 | 288 |
| *Sebastes* cf. *nebulosus* | cf. China rockfish |  | 1 |  |  |  |  | 1 |
|  |  |  |  |  |  |  |  |  |
| Stichaeidae |  | 30 | 6 |  |  | 12 |  | 48 |
| *Anoplarchus purpurescens* | high cockscomb | 10 |  |  |  |  |  | 10 |
| *Lumpenus* sp.  | prickleback | 2 |  |  |  |  |  | 2 |
| *Lumpenus sagitta* | snake prickleback | 2 |  |  |  |  |  | 2 |
| *Stichaeus punctatus* | Arctic shanny | 22 | 1 |  |  | 2 |  | 25 |
| *Xiphister* sp. | prickleback | 12 | 2 |  |  |  |  | 14 |
| *Xiphister atropurpureus* | black prickleback | 7 |  |  |  |  |  | 7 |
| *Xiphister mucosus* | rock prickleback | 3 |  | 1 |  | 20 |  | 24 |
|  |  |  |  |  |  |  |  |  |
| Zoarcidae  | eelpouts |  |  |  |  | 8 |  |  |
|  |  |  |  |  |  |  |  |  |
| Unidentified fish |  | 240 | 936 | 139 | 79 | 295 | 20 | 1709 |
|  |  |  |  |  |  |  |  |  |
| **BIRDS** |  |  |  |  |  |  |  |  |
| Accipitridae |  |  |  |  |  |  |  |  |
| *Haliaeetus leucocephalus* | bald eagle |  | 1 |  |  |  |  | 1 |
|  |  |  |  |  |  |  |  |  |
| Alcidae |  | 5 |  |  |  |  |  | 5 |
| *Aethia* sp. | auklet | 1 |  |  |  |  |  | 1 |
| *Aethia cristatella* | crested auklet | 1 | 3 |  |  |  |  | 4 |
| *Aethia pusilla* | least auklet |  | 2 |  |  |  |  | 2 |
| *Brachyramphus marmoratus* | marbled murrelet |  |  |  |  |  | 1 |  |
| *Lunda cirrhata* | tufted puffin |  |  |  | 1 |  |  |  |
| *Ptychoramphus aleuticus* | Cassin's auklet |  | 3 |  |  |  |  | 3 |
| *Uria aalge* | common murre | 3 | 3 |  | 1 |  |  | 7 |
|  |  |  |  |  |  |  |  |  |
| Anatinae | duck | 2 |  |  |  |  |  | 2 |
|  |  |  |  |  |  |  |  |  |
| Corvidae |  |  |  |  |  |  |  |  |
| *Cyanocitta stelleri* | Steller's jay | 1 | 1 |  |  |  |  | 2 |
|  |  |  |  |  |  |  |  |  |
| Gavidae |  |  |  |  |  |  |  |  |
| *Gavia* sp. | loon |  |  |  | 2 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| Hydrobatidae |  |  |  |  |  |  |  |  |
| *Oceanodroma furcata* | fork-tailed storm-petrel | 1 | 1 |  |  |  |  | 2 |
| *Oceanodroma leucorhoa*  | Leach's storm-petrel | 1 |  |  |  |  |  | 1 |
|  |  |  |  |  |  |  |  |  |
| Phalacrocoracidae |  |  |  |  |  |  |  |  |
| *Phalacrocorax* sp.  | cormorant | 5 | 5 |  |  |  |  | 10 |
| *Phalacrocorax pelagicus* | pelagic cormorant |  |  | 1 | 6 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| Podicipedidae |  |  |  |  |  |  |  |  |
| *Aechmophorus occidentalis* | western grebe |  |  |  |  |  | 1 |  |
| *Podiceps* sp.  | grebe | 1 |  |  |  |  |  | 1 |
|  |  |  |  |  |  |  |  |  |
| Unidentified passerine |  | 2 | 1 |  |  |  |  | 3 |
| Unidentified bird |  | 5 | 15 |  | 1 | 6 | 2 | 29 |
|  |  |  |  |  |  |  |  |  |
| **MAMMALS** |  |  |  |  |  |  |  |  |
| Cervidae |  |  |  |  |  |  |  |  |
| *Odocoileus h. sitkensis* | Sitka black-tailed deer | 1 | 85 | 3 | 44 | 12 | 9 | 154 |
|  |  |  |  |  |  |  |  |  |
| Cricetidae |  |  |  |  |  |  |  |  |
| *Peromyscus* sp. | mouse | 1 |  |  |  |  |  | 1 |
|  |  |  |  |  |  |  |  |  |
| Mustelidae |  |  | 1 |  |  |  |  | 1 |
| *Enhydra lutris* | sea otter |  | 7 |  | 1 |  |  | 8 |
| *Lontra canadensis* | land otter |  | 2 |  |  |  |  | 2 |
| *Mustela vison* | mink |  | 2 |  |  |  |  | 2 |
|  |  |  |  |  |  |  |  |  |
| Phocidae |  |  |  |  |  |  |  |  |
| *Phoca vitulina* | harbor seal |  | 2 |  | 4 |  |  | 6 |
|  |  |  |  |  |  |  |  |  |
| Soricidae |  |  |  |  |  |  |  |  |
| *Sorex monticolus* | dusky shrew | 1 | 1 |  |  |  |  | 2 |
|  |  |  |  |  |  |  |  |  |
| Ursidae |  |  |  |  |  |  |  |  |
| *Ursus americanus* | black bear |  |  |  | 1 |  |  |  |
|  |  |  |  |  |  |  |  |  |
| Unidentified mammal |  | 12 | 853 | 7 | 15 | 264 | 4 | 1155 |
| Unidentified mammal/bird |  | 18 | 616 | 22 |  | 29 |  | 685 |
|  |  |  |  |  |  |  |  |  |
| Total |  | 954 | 2890 | 206 | 238 | 692 | 55 | 5035 |