Table X. Diversity indices of Organic Lake and other hypersaline lakes

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| Location | Techniques | Clones (OTUs) or reads | % Coverage or ACE | H'-Shannon (diversity) | SI'-Simpson (dominance) | J'-Evenness | Chao1 (richness) [Chao2] | Reference |
| Organic 1.7 m 0.1 µm |  | 332 (189) |  | 7.109 | 0.990 |  | 387 | this study |
| Organic 1.7 m 0.8 µm |  | 388 (176) |  | 6.465 | 0.979 |  | 380 | this study |
| Organic 1.7 m 3.0 µm |  | 159 (95) |  | 6.110 | 0.979 |  | 265 | this study |
| Organic 4.2 m 0.1 µm |  | 298 (187) |  | 7.213 | 0.991 |  | 435 | this study |
| Organic 4.2 m 0.8 µm |  | 412 (187) |  | 6.533 | 0.982 |  | 422 | this study |
| Organic 4.2 m 3.0 µm |  | 359 (166) |  | 6.533 | 0.981 |  | 304 | this study |
| Organic 5.7 m 0.1 µm |  | 148 (113) |  | 6.449 | 0.986 |  | 383 | this study |
| Organic 5.7 m 0.8 µm |  | 439 (171) |  | 6.225 | 0.977 |  | 391 | this study |
| Organic 5.7 m 3.0 µm |  | 251 (144) |  | 6.722 | 0.986 |  | 326 | this study |
| Organic 6.5 m 0.1 µm |  | 190 (120) |  | 6.455 | 0.984 |  | 407 | this study |
| Organic 6.5 m 0.8 µm |  | 450 (182) |  | 6.410 | 0.979 |  | 347 | this study |
| Organic 6.5 m 3.0 µm |  | 119 (72) |  | 5.497 | 0.965 |  | 190 | this study |
| Organic 6.7 m 0.1 µm |  | 147 (123) |  | 6.636 | 0.989 |  | 439 | this study |
| Organic 6.7 m 0.8 µm |  | 498 (233) |  | 6.724 | 0.985 |  | 627 | this study |
| Organic 6.7 m 3.0 µm |  | 169 (104) |  | 6.100 | 0.976 |  | 322 | this study |
| Organic sediments | 16S library 98%id OTUs counts rarefied | 74-87 (15) | 90.8 % | 1.01 | 0.18 | 0.52 | 32 ± 12 | Bowman *et al*., 2000b |
| Deep sediments | 16S library 98%id OTUs counts rarefied | 74-87 (13) | 96.6 % | 0.94 | 0.14 | 0.48 | 15 ± 2 | Bowman *et al*., 2000b |
| Ekho sediments | 16S library 98%id OTUs counts rarefied | 74-87  (20) | 86.5 % | 1.10 | 0.11 | 0.57 | 36 ± 10 | Bowman *et al*., 2000b |
| moderate salinity lake and fjord | 16S library 98%id OTUs counts rarefied | na | 14.8-35.9 % | 1.15-1.72 | 0.02-0.17 | 0.55-0.83 | 68 ± 18 to 361 ± 82 | Bowman *et al*., 2000b |
| ELB 16 m | 16S library, RFLP OTUs, rarefied counts | 95(24) | 40 | 2.7 | 12.4 | na | 32 [312] | Glatz *et al*., 2006 |
| ELB 19 m | 16S library, RFLP OTUs, rarefied counts | 114(27) | 40 | 2.6 | 8.73 | na | 38[392] | Glatz *et al*., 2006 |
| ELB 25 m | 16S library, RFLP OTUs, rarefied counts | 144(14) | 20 | 2.0 | 5.2 | na | 27[112] | Glatz *et al*., 2006 |
| WLB 13 m | 16S library, RFLP OTUs, rarefied counts | 28(12) | 24 | 2.1 | 6.8 | na | 15[84] | Glatz *et al*., 2006 |
| WLB 16 m | 16S library, RFLP OTUs, rarefied counts | 57(19) | 52 | 2.4 | 8.4 | na | 104???[200] | Glatz *et al*., 2006 |
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NB. Bowman Shannon: H’ = (nlogn - [∑kNlogN])/n where n is the number of clones (individuals) and N is the number of clones per phylotype (species) and k is the number of clones in a given phylotype.

Simpson index: SI’ = ∑(N[N-1]/n[n-1])

Eveness: J’ = H’/Hmax where Hmax is the log of the total number of phylotypes.

Chao1: probably S\*1 = Sobs + (a^2/2b) where Sobs is species observed, a is species observed once and b is species observed twice.

Chao2: when applied to several collections, a is species observed in more than one collection and b is species observed in two collections.