**How Quickly Will the Offshore Ecosystem Recover from the 2010 Deepwater Horizon Oil Spill? Lessons Learned from the 1979 Ixtoc-1 Oil Well Blowout - Supplement**

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**Introduction**

Additional figure and tables. There was only one benthic metric, the nematode to copepod ratio (NC) that was correlated with PC1 (Table S1). However, three variables: meiofauna richness (Mei\_S), meiofauna Shannon diversity (Mei\_H´), and meiofauna Hill diversity (Mei\_N1) were correlated with PC3 (Fig. S1). This means when PAH was low, diversity and evenness was high.

Table S1. Spearman correlation coefficients (*r*) between benthic infaunal metrics and he PCA scores, with probabilities (*p*) that the coefficient is zero, and sample size (*n*).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Metric** | **Statistic** | **Factor1** | **Factor2** | **Factor3** |
| Mac\_nm2 | *r* | 0.2717 | -0.3059 | 0.2769 |
|  | *p* | 0.1620 | 0.1134 | 0.1538 |
|  | *n* | 28 | 28 | 28 |
| Mac\_S | *r* | -0.0182 | -0.3327 | 0.2240 |
|  | *p* | 0.9269 | 0.0837 | 0.2519 |
|  | *n* | 28 | 28 | 28 |
| Mac\_H' | *r* | -0.1281 | -0.3629 | 0.0991 |
|  | *p* | 0.5160 | 0.0577 | 0.6160 |
|  | *n* | 28 | 28 | 28 |
| Mac\_N1 | *r* | -0.1773 | -0.3076 | 0.0832 |
|  | *p* | 0.3666 | 0.1113 | 0.6738 |
|  | *n* | 28 | 28 | 28 |
| Mac\_J' | *r* | -0.2233 | -0.1270 | -0.2896 |
|  | *p* | 0.2533 | 0.5196 | 0.1350 |
|  | *n* | 28 | 28 | 28 |
| Mei\_nm2 | *r* | 0.2528 | 0.0418 | 0.3011 |
|  | *p* | 0.3833 | 0.8873 | 0.2955 |
|  | *n* | 14 | 14 | 14 |
| Mei\_S | *r* | 0.1342 | -0.1012 | 0.6491 |
|  | *p* | 0.6474 | 0.7306 | 0.0120 |
|  | *n* | 14 | 14 | 14 |
| Mei\_H' | *r* | -0.1033 | -0.0242 | 0.5560 |
|  | *p* | 0.7253 | 0.9346 | 0.0389 |
|  | *n* | 14 | 14 | 14 |
| Mei\_N1 | *r* | -0.1033 | -0.0242 | 0.5560 |
|  | *p* | 0.7253 | 0.9346 | 0.0389 |
|  | *n* | 14 | 14 | 14 |
| Mei\_J' | *r* | -0.2967 | 0.1121 | 0.3495 |
|  | *p* | 0.3030 | 0.7028 | 0.2207 |
|  | *n* | 14 | 14 | 14 |
| NC | *r* | 0.7451 | -0.1604 | -0.1824 |
|  | *p* | 0.0022 | 0.5838 | 0.5325 |
|  | *n* | 14 | 14 | 14 |
| Dorvilleidae | *r* | 0.3630 | -0.5391 | 0.1364 |
|  | *p* | 0.2020 | 0.0467 | 0.6419 |
|  | *n* | 14 | 14 | 14 |
| COPE | *r* | -0.3099 | 0.0462 | 0.3407 |
|  | *p* | 0.2809 | 0.8755 | 0.2333 |
|  | *n* | 14 | 14 | 14 |
| NEMA | *r* | 0.3495 | -0.0110 | 0.1517 |
|  | *p* | 0.2207 | 0.9703 | 0.6048 |
|   | *n* | 14 | 14 | 14 |



**Fig. S1. Complement to Figure 2, Principal components analysis (PCA) of the environmental variables measured at each station. C) PC2 versus PC3.**