**READ\_ME SGD and Community Structure**

The following tables correspond to the metadata for the data files used in the “***Community structure and benthic species-specific abundance vary with spatiotemporal delivery of submarine groundwater discharge chemistry***” manuscript.

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Salinity time series data at Wailupe site

|  |  |
| --- | --- |
| CSV file name: **wai.sal.ts**  Short description: Autonomous sensor salinity time series (n = 23) at Wailupe site | |
| **Column name** | **Description** |
| date | Date (DD/MM/YYYY) |
| time | Time (HH:MM:SS) |
| scans | Internal sensor reading (integers) |
| id | Sensor identification numbers (s1, s2, s3 refer to sensor located close to the SGD seep; 1-20 refer to sensors located in a grid like formation across space) |
| temp (deg C) | Temperature (degrees Celsius) |
| sal | Salinity |
| lat | Latitude (decimal degrees) |
| long | Longitude (decimal degrees) |

Salinity time series data at Black Point site

|  |  |
| --- | --- |
| CSV file name: **bp.sal.ts**  Short description: Autonomous sensor salinity time series (n = 23) at Black Point site | |
| **Column name** | **Description** |
| date time | Date and time (MM/DD/YYYY HH:MM:SS) |
| scans | Internal sensor reading (integers) |
| id | Sensor identification numbers (s4, s5, s6 refer to sensor located close to the SGD seep; 21-40 refer to sensors located in a grid like formation across space) |
| temp (deg C) | Temperature (degrees Celsius) |
| sal | Salinity |
| lat | Latitude (decimal degrees) |
| long | Longitude (decimal degrees) |

Benthic Survey data from 2 sites (Wailupe and Black Point)

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| --- | --- |
| CSV file name: **bsd\_even**  Short description: Benthic survey data of relative % cover at Black Point (n = 98) and Wailupe (n = 73) sites | |
| **Column name** | **Description** |
| Date | Date (MM/DD/YYYY) |
| Site | Internal sensor reading (integers) |
| Lat | Temperature (degrees Celsius) |
| Long | Salinity |
| Columns 5-11 | Substrate type % cover ( |
| Columns 12-44 | Algal species % cover. Algae was identified to highest taxonomic level. |
| Columns 45-51 | Invertebrate species % cover. Invertebrates were identified to highest taxonomic level. |

For more information on this dataset please contact author Florybeth La Valle ([lavallef@berkeley.edu](mailto:lavallef@berkeley.edu)).