01\_Raw\_data: contains data directly from field sensors

*\*Within each folder are subfolders designating from which site the contained data belongs to*

GD: Raw data from gas dome experiments. An input for the ‘gas dome’ script. Labeled according to the date of the experiment.

HOBO Excels: Data directly from HOBO field sensors.

DO: hourly DO data. 5a and 6 is not present; these sites do not have a HOBO

DO sensor.

SpC: hourly SpC data

pH: hourly pH data

PT: hourly pressure transducer data

Lily Box: Contains data from CR800s including FDOM and CO2 hourly concentrations. Divided in site folders by data type (.csv, .dat or .xlsx).

Raw xlsx: each sheet designates site location.

MiniDot: Contains hourly DO data for 5a and 6

02\_Clean\_data:

Folders by site: Contains cvs with separate, cleaned files for pH, DO, SpC, PT and stage.

Calculated\_Stage : Cleaned stage data

Samplingperiod.xlsx: csv with the study period. Contains one column with date and time at hourly intervals. It is used as an aid for compiling data.

03\_Scripts:

Programs 3, 5, 5a, 6, 6a, 7, 9, 13, 14, 15: programs for cleaning and programing data.

Gas dome: for calculating k600 from raw gas dome (GD) data.

Stream metabolism: for calculating GPP and ER across sites from compiled, clean data.

Boxplot: script for creating boxplot figure. Inputs are cleaned, compiled data.

04\_Outputs:

Metabolism: output for stream metabolism. Data labeled by site.

K600: output for gas dome program.

05\_Figures:

Boxplot: output for boxplot program.

06\_Documentation: Literature that inspired this project.