Metrics Data Points - ES&T

PAZ

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Metrics Observations

This file prepares the data to be ploted onto the metrics figure. Some corrections where necessary to the assumed initial applications, which here are harmonized with the model.

Steps

- The initial applications where revised in Book **09.3_OpenRayleigh.Rmd**. However, Dutt was considered to have applied S-metolachlor, which is incorrect, and here corrected.

- The total mass applied is then merged to "time" and the cumulative computed.

- The Outlet data from book **05_MassDischarged_outlet.Rmd** is used, df = *metrics_outlet_approx.csv*, and merged to plot cumulative export of dissolved SM.

- From **0.2_BEACH_SoilDateBulkCal.Rmd** use *metrics_part1.csv* which is based on *WeeklySoils_Rng.csv*. Here (*metrics_part1.csv*) bulk catchment masses are computed based on the latest approach.

Initial applications, correction to 09.3_OpenRayleigh.Rmd.

Assumptions

```
# Fresh tilled
rho1 = 0.98*10^6 # soil density [g/m3] Leaching experiment, "freshly tilled" soil
depth1 = 0.007 # [m] # Fresh tilled

epsilon_true = epsilon_lab
epsilon_streit = -1.9
```