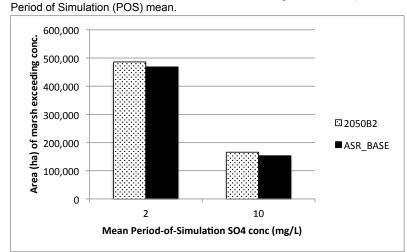
Summary: CERP ASR Project, Everglades landscape sulfate responses.

The following pages summarize the marsh-area data found in each of the multiple ELM Performance Measure map graphics. Those map graphics quantitatively compare each ASR Project Alternative (ALT2C, ALT2V, ALT4V) to the Base run relevant to this project (ASR_BASE - i.e., the CERP0 flows without additional ASR). In addition, the first bar graph page compares the CERP ASR_BASE to the future-without-CERP base (2050B2).

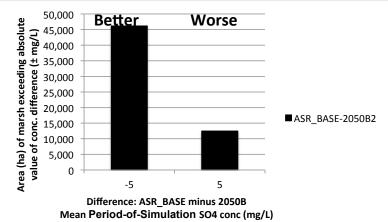
Please refer to other documents on the ELM ASR project web page (http://ecolandmod.ifas.ufl.edu/projects/ELMreg500mASR) for full documentation of these simulations.

Simulated surface water SO4 concentration in the regional domain (total area = 1,039,400 ha).



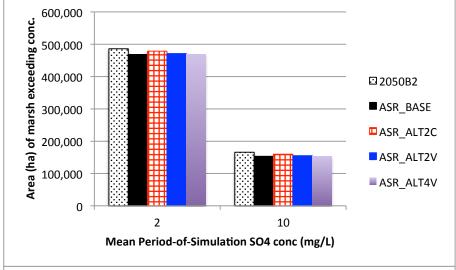
For the **two Bases** only, shows area of marsh that exceeds two selected concentration criterea values.

Note that the areas summed here do not necessariy reflect direct spatial differences among simulations, whereas the below summaries of difference maps reflect direct cell-cell comparisons between the 2050B2 (w/o CERP) and the ASR_BASE (CERP).



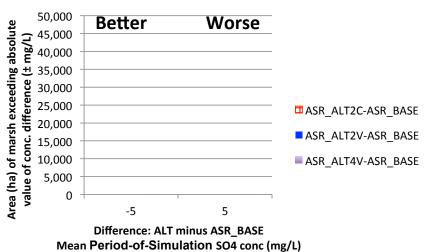
For future base (2050B2) relative to the CERP base (ASR_BASE), shows area of marsh that has lower (negative difference) conc. relative to 2050B2, and area of marsh that has a higher (positive difference) conc. relative to 2050B2.

Simulated surface water SO4 concentration in the regional domain (total area = 1,039,400 ha). Period of Simulation (POS) mean.



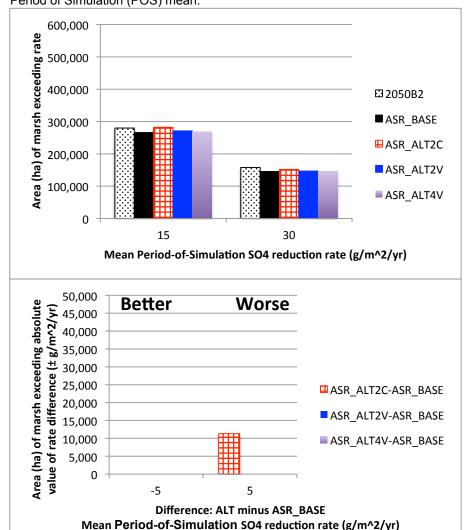
For each Base and Alternative, shows area of marsh that exceeds two selected concentration criterea values.

Note that the areas summed here do not necessariy reflect direct spatial differences among simulations, whereas the below summaries of difference maps reflect direct cell-cell comparisons between each Alternative and the ASR_BASE.



For each Alternative relative to ASR_BASE, shows area of marsh that has a lower (negative difference) conc. relative to ASR_BASE, and area of marsh that has a higher (positive difference) conc. relative to ASR_BASE.

Simulated SO4 reduction (loss from water column) rate in the regional domain (total area = 1,039,400 ha). Period of Simulation (POS) mean.

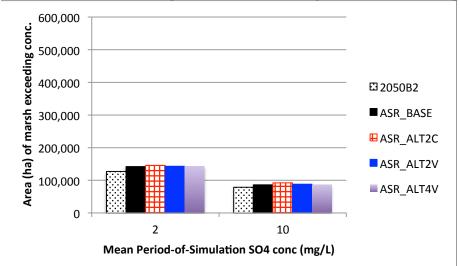


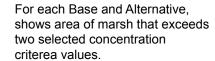
For each Base and Alternative, shows area of marsh that exceeds two selected reduction rate criterea values.

Note that the areas summed here do not necessariy reflect direct spatial differences among simulations, whereas the below summaries of difference maps reflect direct cell-cell comparisons between each Alternative and the ASR_BASE.

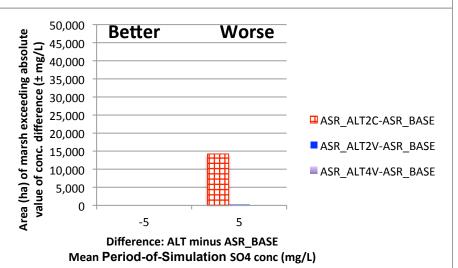
For each Alternative relative to ASR_BASE, shows area of marsh that has a lower (negative difference) rate relative to ASR_BASE, and area of marsh that has a higher (positive difference) rate relative to ASR_BASE.

Simulated surface water SO4 concentration in the regional domain (total area = 1,039,400 ha). Mean concentration for ending month of ASR stress: dry season, above average Lake discharges (May 1974).





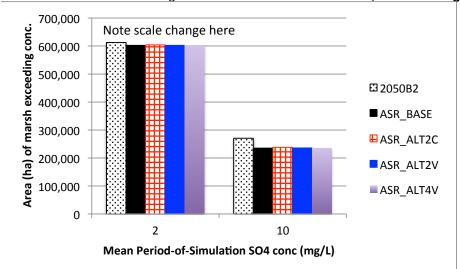
Note that the areas summed here do not necessariy reflect direct spatial differences among simulations, whereas the below summaries of difference maps reflect direct cell-cell comparisons between each Alternative and the ASR BASE.

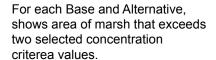


For each Alternative relative to ASR_BASE, shows area of marsh that has a lower (negative difference) conc. relative to ASR_BASE, and area of marsh that has a higher (positive difference) conc. relative to ASR_BASE.

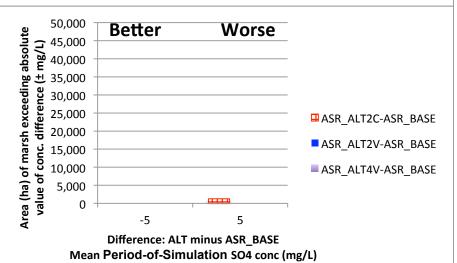
Simulated surface water SO4 concentration in the regional domain (total area = 1,039,400 ha).

Mean concentration for ending month of ASR stress: wet season, above average Lake discharges (Oct 1974).





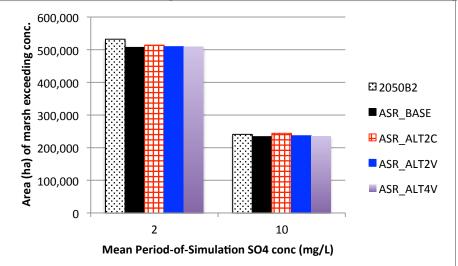
Note that the areas summed here do not necessariy reflect direct spatial differences among simulations, whereas the below summaries of difference maps reflect direct cell-cell comparisons between each Alternative and the ASR BASE.

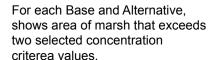


For each Alternative relative to ASR_BASE, shows area of marsh that has a lower (negative difference) conc. relative to ASR_BASE, and area of marsh that has a higher (positive difference) conc. relative to ASR_BASE.

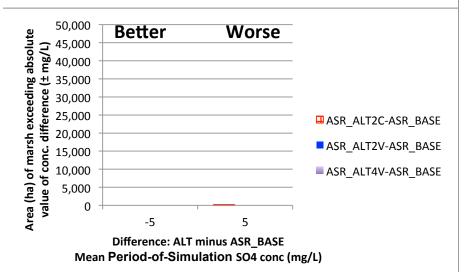
Simulated surface water SO4 concentration in the regional domain (total area = 1,039,400 ha).

Mean concentration for ending month of ASR stress: wet season, below average Lake discharges (Oct 1981).





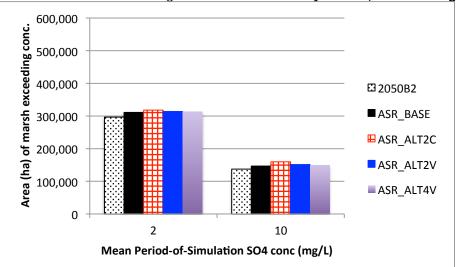
Note that the areas summed here do not necessariy reflect direct spatial differences among simulations, whereas the below summaries of difference maps reflect direct cell-cell comparisons between each Alternative and the ASR BASE.

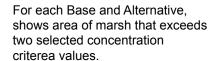


For each Alternative relative to ASR_BASE, shows area of marsh that has a lower (negative difference) conc. relative to ASR_BASE, and area of marsh that has a higher (positive difference) conc. relative to ASR_BASE.

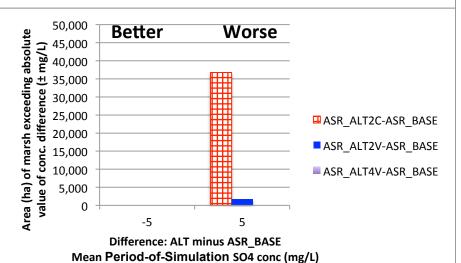
Simulated surface water SO4 concentration in the regional domain (total area = 1,039,400 ha).

Mean concentration for ending month of ASR stress: dry season, below average Lake discharges (May 1982).



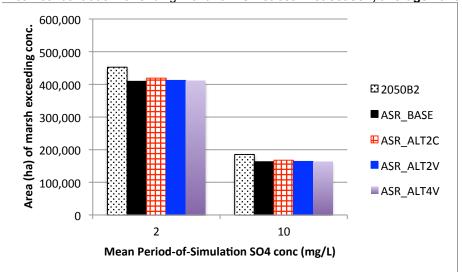


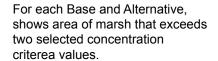
Note that the areas summed here do not necessariy reflect direct spatial differences among simulations, whereas the below summaries of difference maps reflect direct cell-cell comparisons between each Alternative and the ASR BASE.



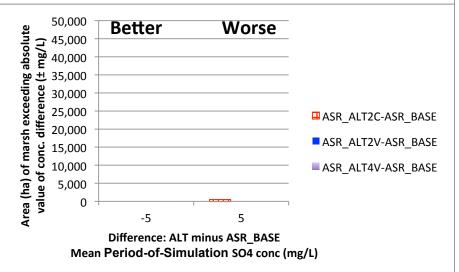
For each Alternative relative to ASR_BASE, shows area of marsh that has a lower (negative difference) conc. relative to ASR_BASE, and area of marsh that has a higher (positive difference) conc. relative to ASR_BASE.

Simulated surface water SO4 concentration in the regional domain (total area = 1,039,400 ha). Mean concentration for ending month of ASR stress: wet season, average Lake discharges (Oct 1989).



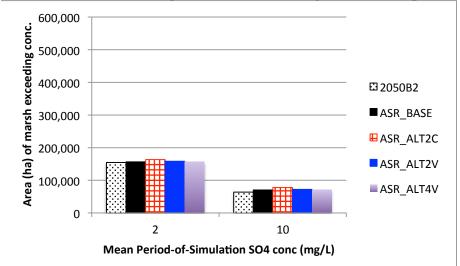


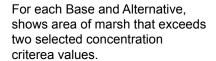
Note that the areas summed here do not necessariy reflect direct spatial differences among simulations, whereas the below summaries of difference maps reflect direct cell-cell comparisons between each Alternative and the ASR BASE.



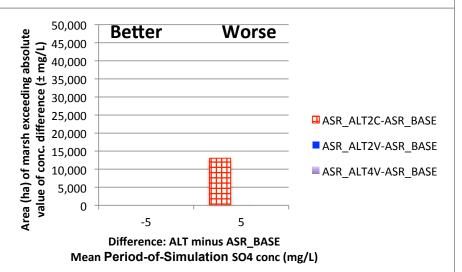
For each Alternative relative to ASR_BASE, shows area of marsh that has a lower (negative difference) conc. relative to ASR_BASE, and area of marsh that has a higher (positive difference) conc. relative to ASR_BASE.

Simulated surface water SO4 concentration in the regional domain (total area = 1,039,400 ha). Mean concentration for ending month of ASR stress: **dry season, average Lake discharges (May 1990)**.





Note that the areas summed here do not necessariy reflect direct spatial differences among simulations, whereas the below summaries of difference maps reflect direct cell-cell comparisons between each Alternative and the ASR BASE.



For each Alternative relative to ASR_BASE, shows area of marsh that has a lower (negative difference) conc. relative to ASR_BASE, and area of marsh that has a higher (positive difference) conc. relative to ASR_BASE.