Interactive comment on “Vegetation Cover Change Detection and Assessment in Arid Environment Using Multi-temporal Remote Sensing images and Ecosystem Management Approach” by Anwar Abdelrahman Aly et al.

Anonymous Referee #2

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Section 2.3 (line 126) should be renamed to “Remote sensing images characterization”. Section 2.4 (line 153) should be renamed to “Delineation of Vegetation cover changes” What is the need for section 2.5 “image classification” using supervised classification for NDVI images? Converting NDVI images to classified images is a simple straightforward process that doesn’t need a supervised classification process. The section named “Coordinate & GIS Analysis” (line 189) has no GIS analysis at all, and the authors did not mention anything about which interpolation method they used to get the groundwater salinity distribution map. The paragraphs at lines 217 and 220 should be moved to methodology section. The authors didn’t mention anything in the methodology about the statistical analysis of the data. On what basis did the authors classify the ecosystem into eastern, middle and western??? Classification accuracy should be removed from table 1. Figure 3: is missing the letters A and B for the images. Figure 5 is missing the distinction between soil samples and groundwater samples. What is the meaning of different white shapes in figure 6?? What is the relation of figure 9 to figure 5, and how the polygon of the interpolated salinity is obtained?? In figure 10, why the authors selected 33 samples to plot soil salinity instead of the total 50 samples?? Figure 11 is not clear. What is the meaning of the white shapes, and do the letters A B and C fall inside the shapes or not?????