



March 13, 2019

Project: CLOMR Case No. 19-08-0011R Subject: Drainage Area Map

A Drainage Area Map has been prepared for the additional drainage area to the South Fork Ogden River to accompany the SWMM model that was prepared. Upon review, it was determined the model's area of 1,862 acres does not match the labeled area of 1,864.25 acres on the Drainage Area Map.

Upon further inspection, it was determined the difference is due to the importing of a shape file that originated in a different coordinate/projection system. The model uses the area as determined by the original, while the map label uses the area as determined by the imported shape file as hatched/measured in the drafting program. It has also been determined that the discrepancy is of a small enough magnitude that the results of the flow rate would not vary significantly were the area to be the larger value. I.E. $2 / 1862 = \sim .1\%$ area difference, or an increase of ~ 0.4 cfs. (329 cfs / 1862 acre x 2 acre = .35 cfs)

We trust this addresses any concerns. If you have any questions, or we can be of further assistance, please let us know.

Sincerely,

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