From: Leinenbach, Peter
To: Herger, Lillian; Labiosa, Rochelle
Cc: Leinenbach, Peter
Subject: Overlap analysis
Date: Thursday, October 20, 2022 3:24:31 PM
Attachments: Overlap_Sampling_Results_1kmBufferedPointSources.xlsx

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Rochelle and Lil -

I obtained the results that Jesse produced for the overlap between CH/KH and the 304 1km buffers of the point source outfalls. I used these result as my starting point in the Overlap analysis between these buffered sites and Salmon Spawning and ISRW designations.

The attached excel spreadsheet contains the results of the overlap analysis between these buffer point sources and the Salmon Spawning and ISRW designations (Overlap is indicated by "1" in the column – there are several notes in the spreadsheet describing these new columns/analysis.)

In addition, I did a little review of Jesse's previous work on the overlap between buffered outfall locations and KH locations for the snail species, and based on this I might suggest a couple of changes. Specifically, Jesse used an older version of the Snake River Physa snails KH layer (SRP_KH), which had recently increased in length. As a result, 20 additional point source outfalls were added to the overlap with SRP_KH (i.e., 3 to 23). In addition, Jesse had used **the polygon layers** for the snails KH distribution and it resulted in some of the selected sites, although being located with the polygon, very far (much further than 1 km) away from the current Snake River stream channel **polyline**: I indicated these sites as "2" in the attached spreadsheet, while snail overlap sites that overlap the Snake River polyline as "1": You might want to break these out in the assessment or maybe not.

Once again I added several notes in the excel spreadsheet, which will hopefully help you summarized this data for your needs.

Please let me know if you have any questions about this effort.

Peter