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Appendix for the Quillback and Copper Rockfish Stock Assessments.

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Hello All,

Attached is Appendix C for the Copper and Quillback assessments regarding the percent of habitat closed to fishing in MPAs, CCAs and RCAs from 2001 to 2021 that our GIS staff prepared and was just approved after internal review. This is intended to provide some context in the considering selectivity, time blocking, future need for two (or multiple) area models and lack of length data from closed areas in the assessments. Length data in spatial closures subject to lower fishing effort in the assessments has not been included, outside of the Hook and Line survey for which there are a few sites in the CCA in recent years. There is data from the [CCFRP](#) as well as [ROV surveys](#) for 2013-2015 that could be added to reflect composition in MPAs, and data for 2019-2021 is forthcoming. The data in the assessments primarily reflect the fish in the grounds open to fishing where effort has been redistributed to, which may be exacerbating the appearance of depletion. Food for thought to provide context that otherwise has gone unquantified. A stock specific version will be integrated into the respective final assessments. John DeVore, please add this to the FTP folders for each of the three assessments to which it pertains.

Thanks,

John



Appendix C- Analysis of Percent of Habitat Under Various Forms of Protection in California.docx
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