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Using the data from observed small mesh trawl trips, the average ratio of discards to landings from 2009-2014 was 39%. However, the data used for this ratio were only from observed trips, which may not be an accurate portrayal of the whole fishery. Additionally, the vast majority of landings of silver, offshore, and red hake is from small-mesh trawl vessel trips, so data from trips made by vessels using other gear types were not used. Therefore, the ratios from these data should not be considered a reliable estimate of the optimization of marine resource utilization in this fishery, and use different data than the data used in the National Bycatch Report, but the range of 20-40% is likely to be a near estimate, given the ratios in that report.