



Figure S-4. Number of samples necessary for 95% chance of salmon detection downstream from a target reach. Optimal sampling is roughly 1,000 m downstream of fish at banks and immediately downstream of fish in the midstream. Optimal sample numbers for fish detection decreases with increasing numbers of fish and decreasing velocity (V). Low, med, and high V indicate 0.15, 0.35, and 0.55 m/sec, respectively. Predictions here are shown for 5% quantile detectability stream (i.e. low detectability).