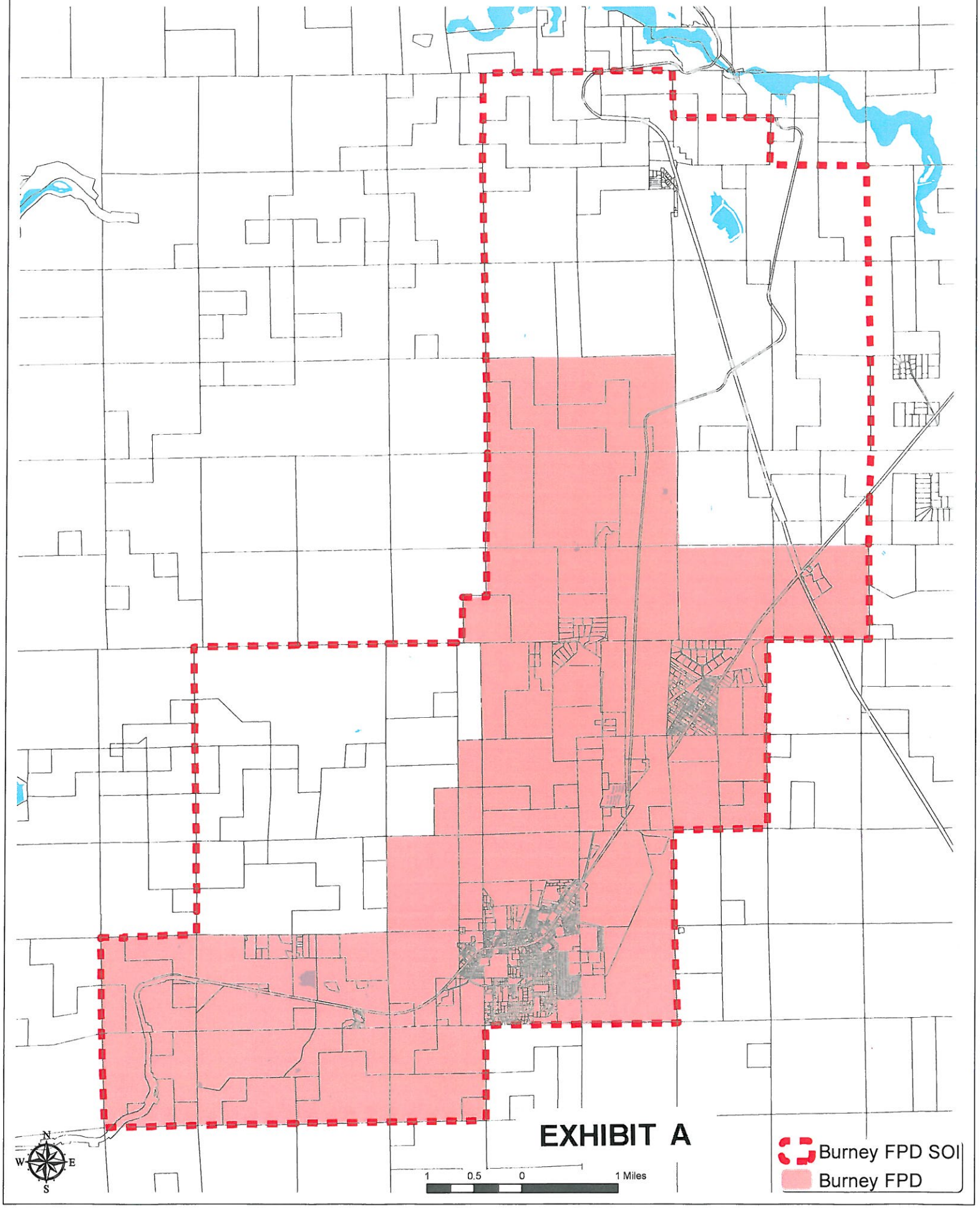Burney FPD SOI