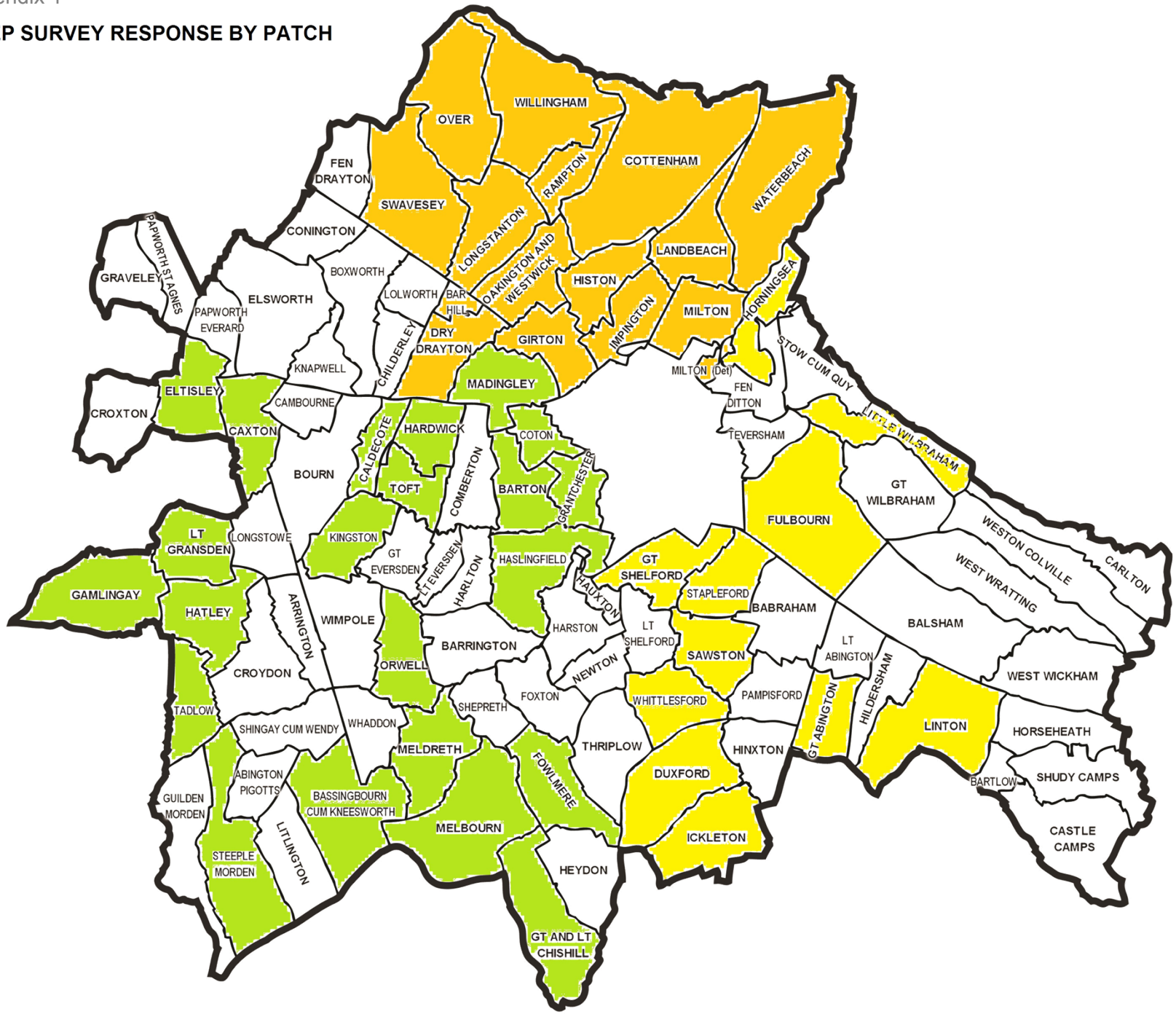SPEP SURVEY RESPONSE BY PATCH