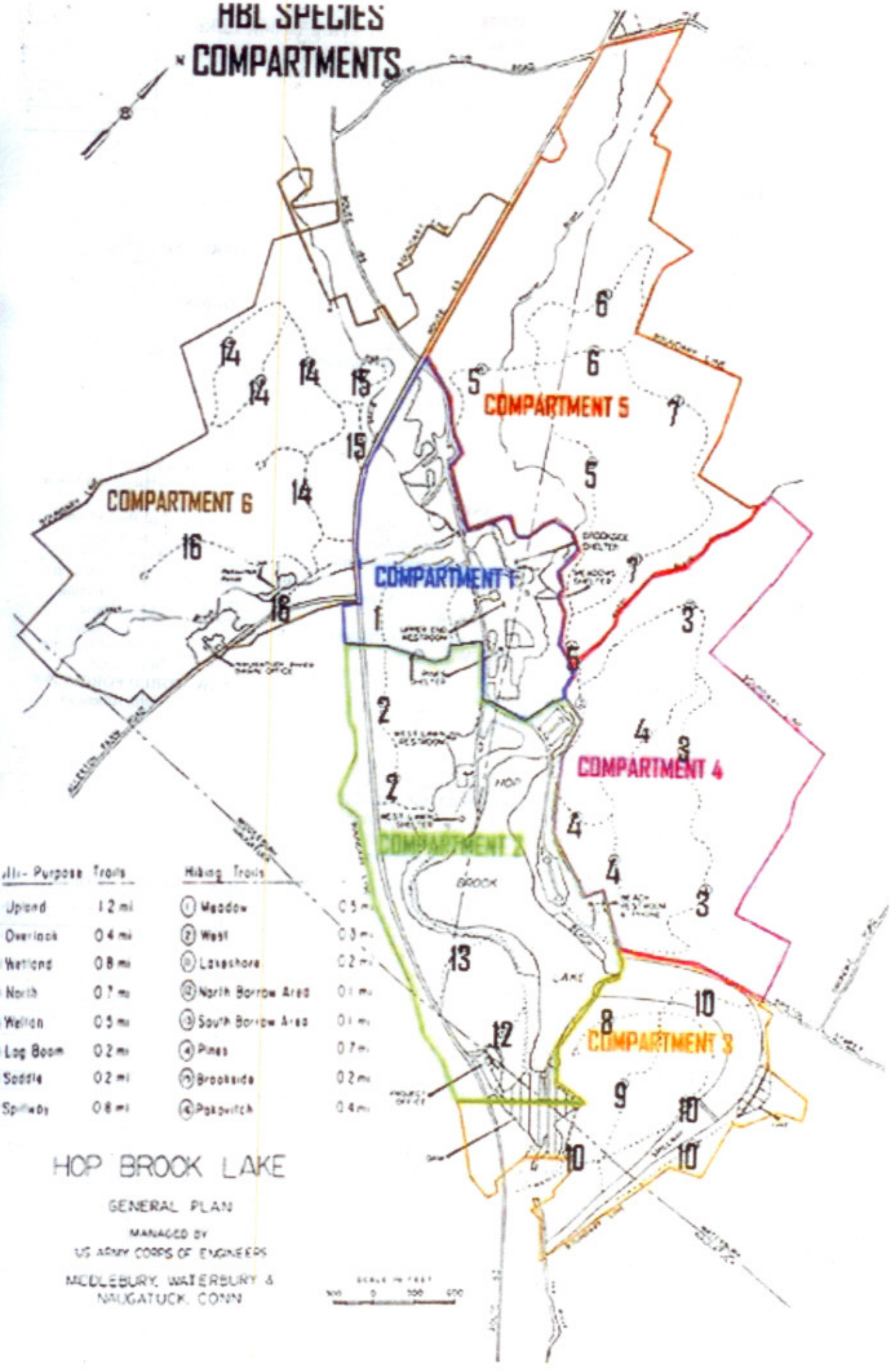HBL SPECIES
COMPARTMENTS