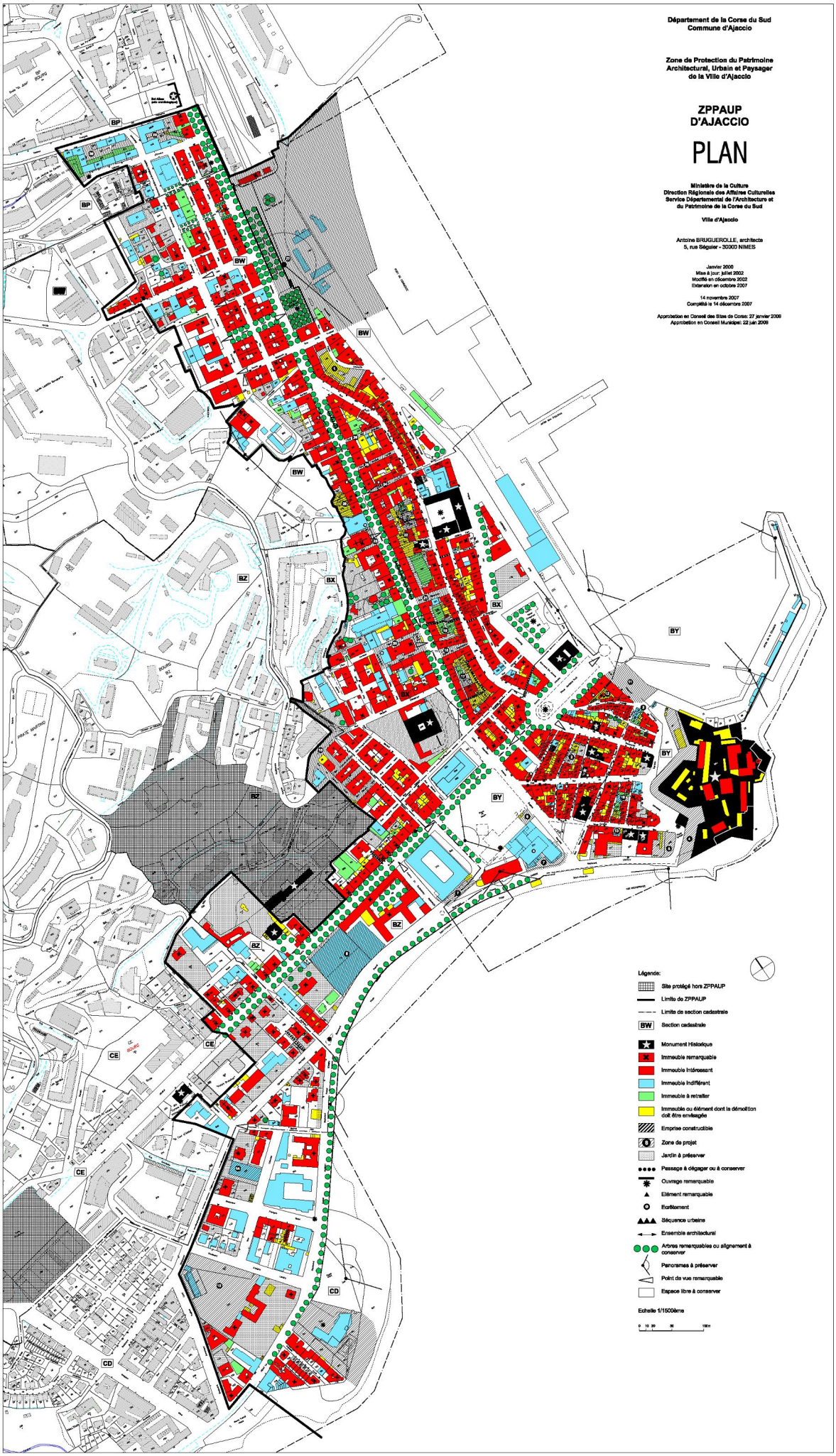PLAN de la ZPPAUP