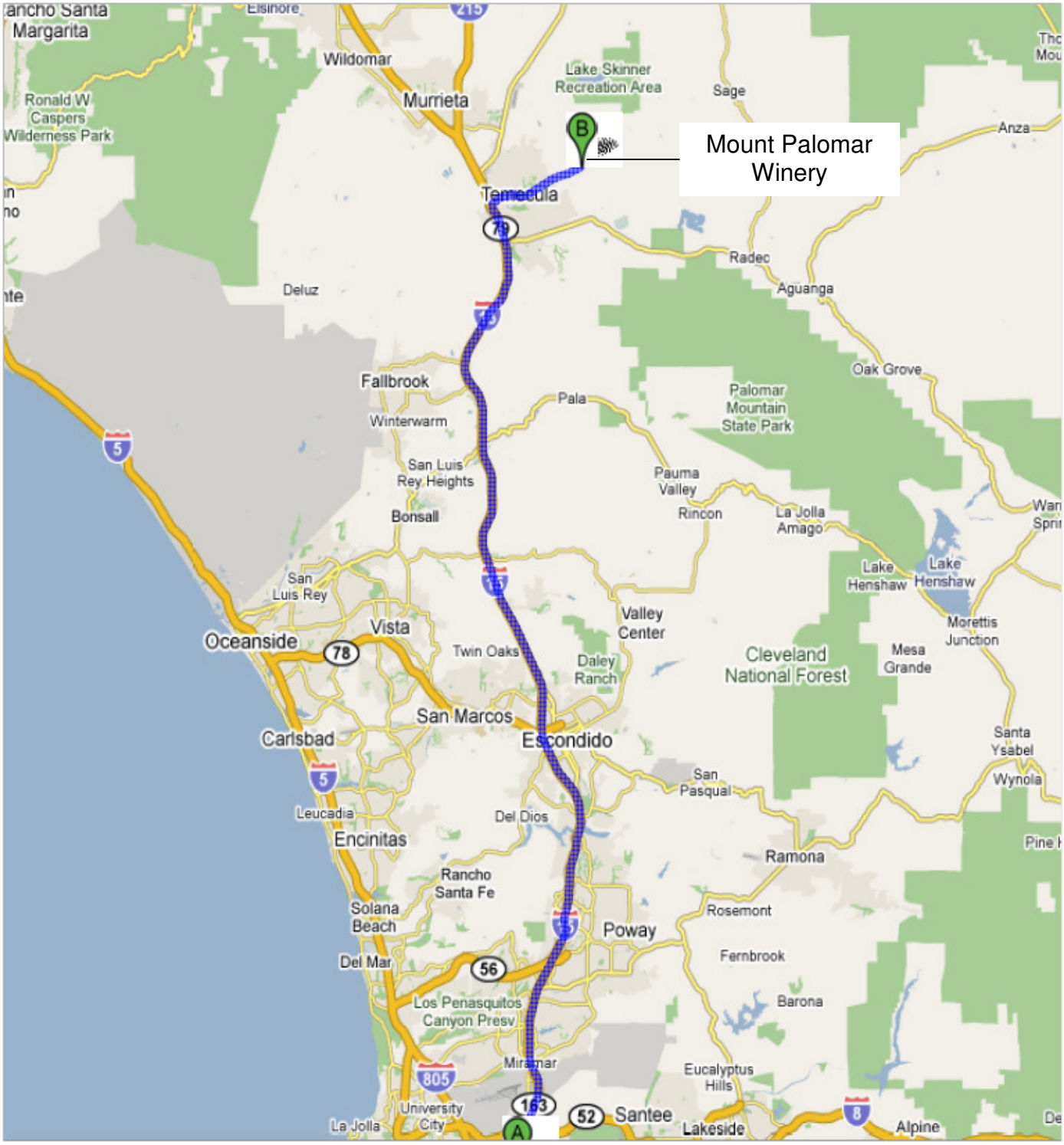Supporting Document 1