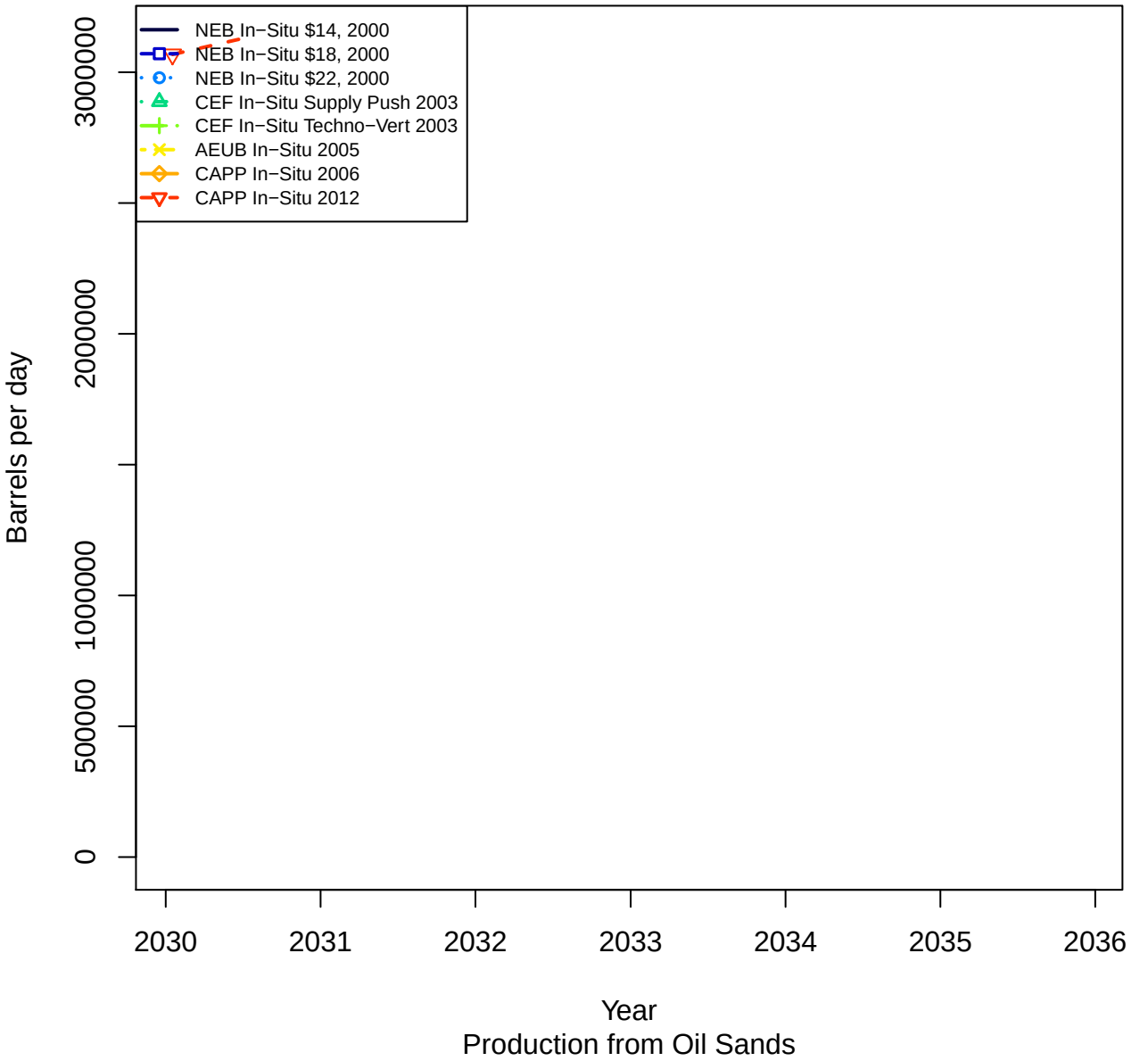In Situ Prognosis