



Figure 5.2. Model comparison of summer near-surface (2-m depth) effluent concentrations at the harbor sewage outfalls and of summer mid-depth (16-m depth) concentrations at the Massachusetts Bay (MB) outfall. At the MB outfall location, effluent is trapped at mid-depth during the summer beneath the warm surface layer, while effluent from the harbor outfalls remains near the surface. The areal extent of high effluent concentration at the MB outfall is smaller, as in winter (Fig. 5.1), than at the existing outfalls. In addition, because nutrients from the MB outfall are trapped in waters that are already nutrient rich, the impact of sewage-borne nutrients is decreased.