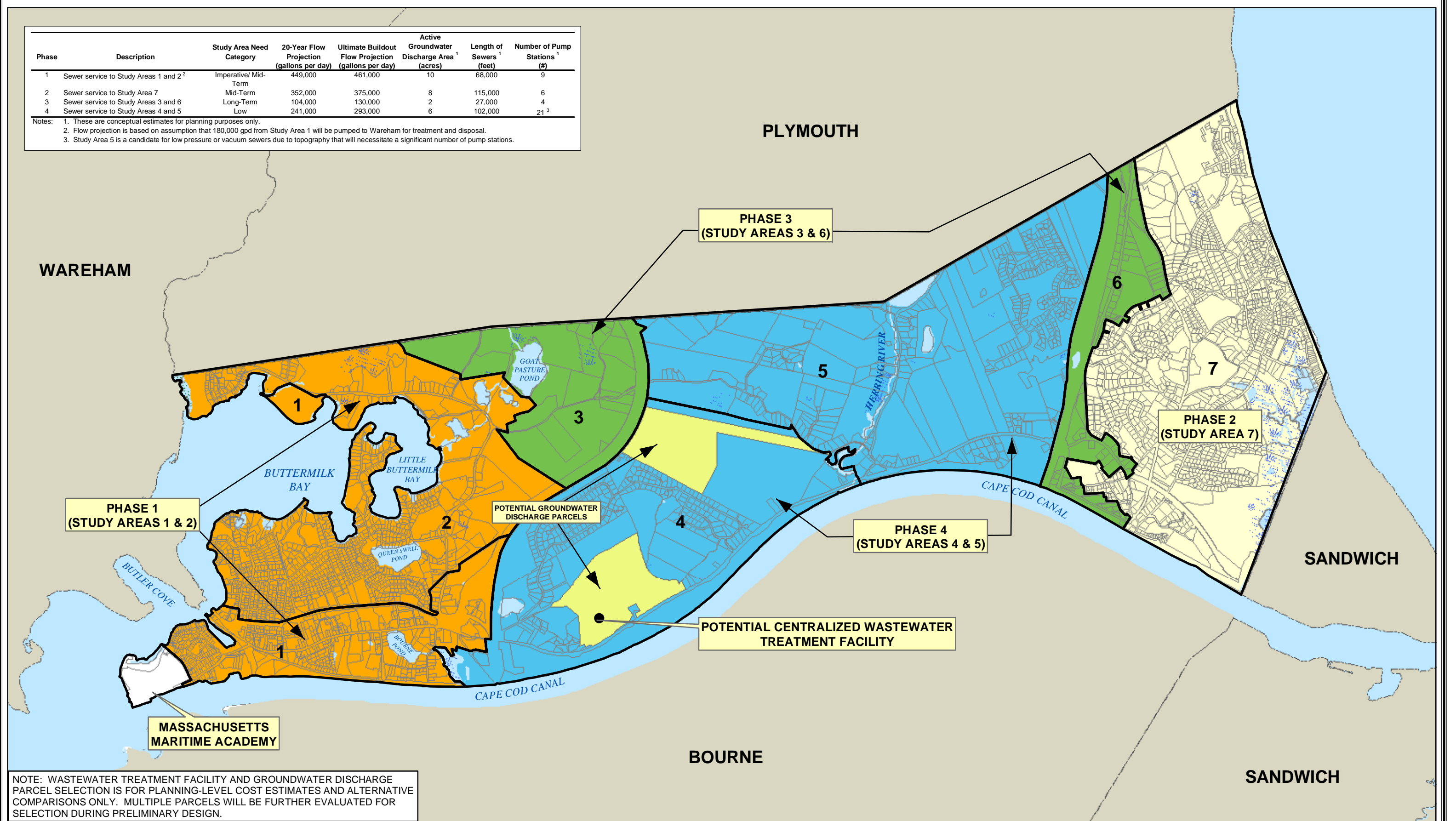


Phase	Description	Study Area Need Category	20-Year Flow Projection (gallons per day)	Ultimate Buildout Flow Projection (gallons per day)	Active Groundwater Discharge Area <sup>1</sup> (acres)	Length of Sewers <sup>1</sup> (feet)	Number of Pump Stations <sup>1</sup> (#)
1	Sewer service to Study Areas 1 and 2 <sup>2</sup>	Imperative/ Mid-Term	449,000	461,000	10	68,000	9
2	Sewer service to Study Area 7	Mid-Term	352,000	375,000	8	115,000	6
3	Sewer service to Study Areas 3 and 6	Long-Term	104,000	130,000	2	27,000	4
4	Sewer service to Study Areas 4 and 5	Low	241,000	293,000	6	102,000	21 <sup>3</sup>

Notes:  
1. These are conceptual estimates for planning purposes only.  
2. Flow projection is based on assumption that 180,000 gpd from Study Area 1 will be pumped to Wareham for treatment and disposal.  
3. Study Area 5 is a candidate for low pressure or vacuum sewers due to topography that will necessitate a significant number of pump stations.

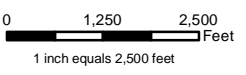


NOTE: WASTEWATER TREATMENT FACILITY AND GROUNDWATER DISCHARGE PARCEL SELECTION IS FOR PLANNING-LEVEL COST ESTIMATES AND ALTERNATIVE COMPARISONS ONLY. MULTIPLE PARCELS WILL BE FURTHER EVALUATED FOR SELECTION DURING PRELIMINARY DESIGN.

**Legend**

- Phase 1 Service Area
- Phase 2 Service Area
- Phase 3 Service Area
- Phase 4 Service Area
- Potential Groundwater Discharge Parcels
- Study Areas
- Town Boundary
- Parcel Boundary
- Wetlands
- Fresh/Salt Water Features
- Rivers/Streams

Source: MassGIS and Town of Bourne, October 2006



**ALTERNATIVE 1B - CENTRALIZED WASTEWATER TREATMENT AND GROUNDWATER DISCHARGE WITHOUT MMA WWTP EXPANSION**  
BOURNE WASTEWATER MANAGEMENT STUDY  
BOURNE, MASSACHUSETTS



JUNE 13, 2007

