

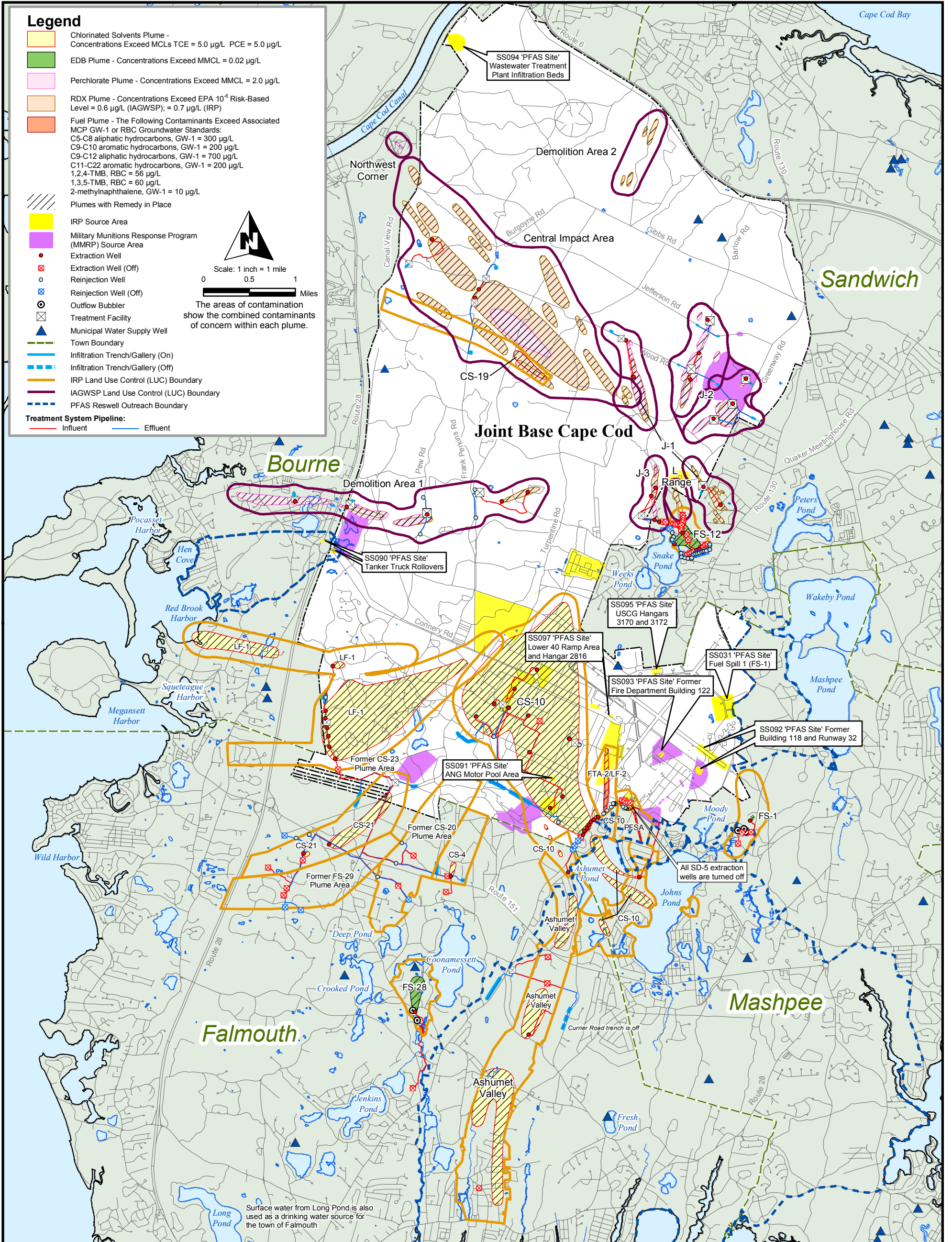
Contaminant of Concern (COC)	Type of Contaminant	Risk-Based Level
TCE - trichloroethene	solvent	MCL = 5 µg/L
PCE - perchloroethene	solvent	MCL = 5 µg/L
CCl <sub>4</sub> - carbon tetrachloride	solvent	MCL = 5 µg/L
EDB - ethylene dibromide	fuel-related compound	MMCL = 0.02 µg/L
benzene	fuel-related compound	MCL = 5 µg/L
vinyl chloride	solvent	MCL = 2 µg/L
1,1,2,2-tetrachloroethane	solvent	GW-1 = 2 µg/L
1,4-dichlorobenzene	solvent	MMCL = 5 µg/L
manganese	metal	EPA Health Advisory = 300 µg/L
thallium	metal	MCL = 2 µg/L
lead	metal	15 µg/L (treatment technique action level for water distribution systems)
toluene	fuel-related compound	MCL = 1,000 µg/L
RDX - hexahydro-1,3,5-trinitro-1,3,5-triazine	explosive	HA = 2 µg/L GW-1 = 1 µg/L 10 <sup>6</sup> = 0.6 µg/L
perchlorate	oxidizer	HA = 15 µg/L MMCL = 2 µg/L
C5-C8 aliphatic hydrocarbons	fuel-related compound	GW-1 = 300 µg/L
C9-C10 aromatic hydrocarbons	fuel-related compound	GW-1 = 200 µg/L
C9-C12 aliphatic hydrocarbons	fuel-related compound	GW-1 = 700 µg/L
C11-C22 aromatic hydrocarbons	fuel-related compound	GW-1 = 200 µg/L
1,2,4-TMB	fuel-related compound	RBC = 19 µg/L
1,3,5-TMB	fuel-related compound	RBC = 19 µg/L
2-methylnaphthalene	fuel-related compound	GW-1 = 10 µg/L

## Joint Base Cape Cod Groundwater Plume Map, IRP LUC Areas, and PFAS Outreach Areas

Issued September 2018

Note: ppb = parts per billion and is a measure of concentration. It is approximately equivalent to micrograms per liter (µg/L).

MCL – Maximum Contaminant Level  
MMCL – Massachusetts Maximum Contaminant Level  
HA – Federal Lifetime Health Advisory  
GW-1 – State default cleanup value to be used in lieu of site-specific risk-based level  
10<sup>6</sup> – EPA level resulting in an excess cancer risk of one in a million  
RBC - Site Specific Risk Based Concentration



Contaminant of Concern (COC)	Type of Contaminant	Risk-Based Level
TCE - trichloroethene	solvent	MCL = 5 µg/L
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EDB - ethylene dibromide	fuel-related compound	MMCL = 0.02 µg/L
benzene	fuel-related compound	MCL = 5 µg/L
vinyl chloride	solvent	MCL = 2 µg/L
1,1,2,2-tetrachloroethane	solvent	GW-1 = 2 µg/L
1,4-dichlorobenzene	solvent	MMCL = 5 µg/L
manganese	metal	EPA Health Advisory = 300 µg/L
thallium	metal	MCL = 2 µg/L
lead	metal	15 µg/L (treatment technique action level for water distribution systems)
toluene	fuel-related compound	MCL = 1,000 µg/L
RDX - hexahydro-1,3,5-trinitro-1,3,5-triazine	explosive	HA = 2 µg/L GW-1 = 1 µg/L 10 <sup>-6</sup> = 0.6 µg/L (IAGWSP); = 0.7 µg/L (IRP)
perchlorate	oxidizer	HA = 15 µg/L MMCL = 2 µg/L
C5-C8 aliphatic hydrocarbons	fuel-related compound	GW-1 = 300 µg/L
C9-C10 aromatic hydrocarbons	fuel-related compound	GW-1 = 200 µg/L
C9-C12 aromatic hydrocarbons	fuel-related compound	GW-1 = 700 µg/L
C11-C22 aromatic hydrocarbons	fuel-related compound	GW-1 = 200 µg/L
1,2,4-TMB	fuel-related compound	RBC = 56 µg/L
1,3,5-TMB	fuel-related compound	RBC = 60 µg/L
2-methylnaphthalene	fuel-related compound	GW-1 = 10 µg/L

## Joint Base Cape Cod Groundwater Plume Map, IRP and IAGWSP LUC Areas, and IRP PFAS Outreach Areas

Issued December 2018

Note: MCL - Maximum Contaminant Level  
 MMCL - Massachusetts Maximum Contaminant Level  
 HA - Federal Lifetime Health Advisory  
 PFAS - Per- and Polyfluoroalkyl Substances  
 GW-1 - State default cleanup value to be used in lieu of site-specific risk-based level  
 10<sup>-6</sup> - EPA level resulting in an excess cancer risk of one in a million  
 RBC - Site Specific Risk Based Concentration