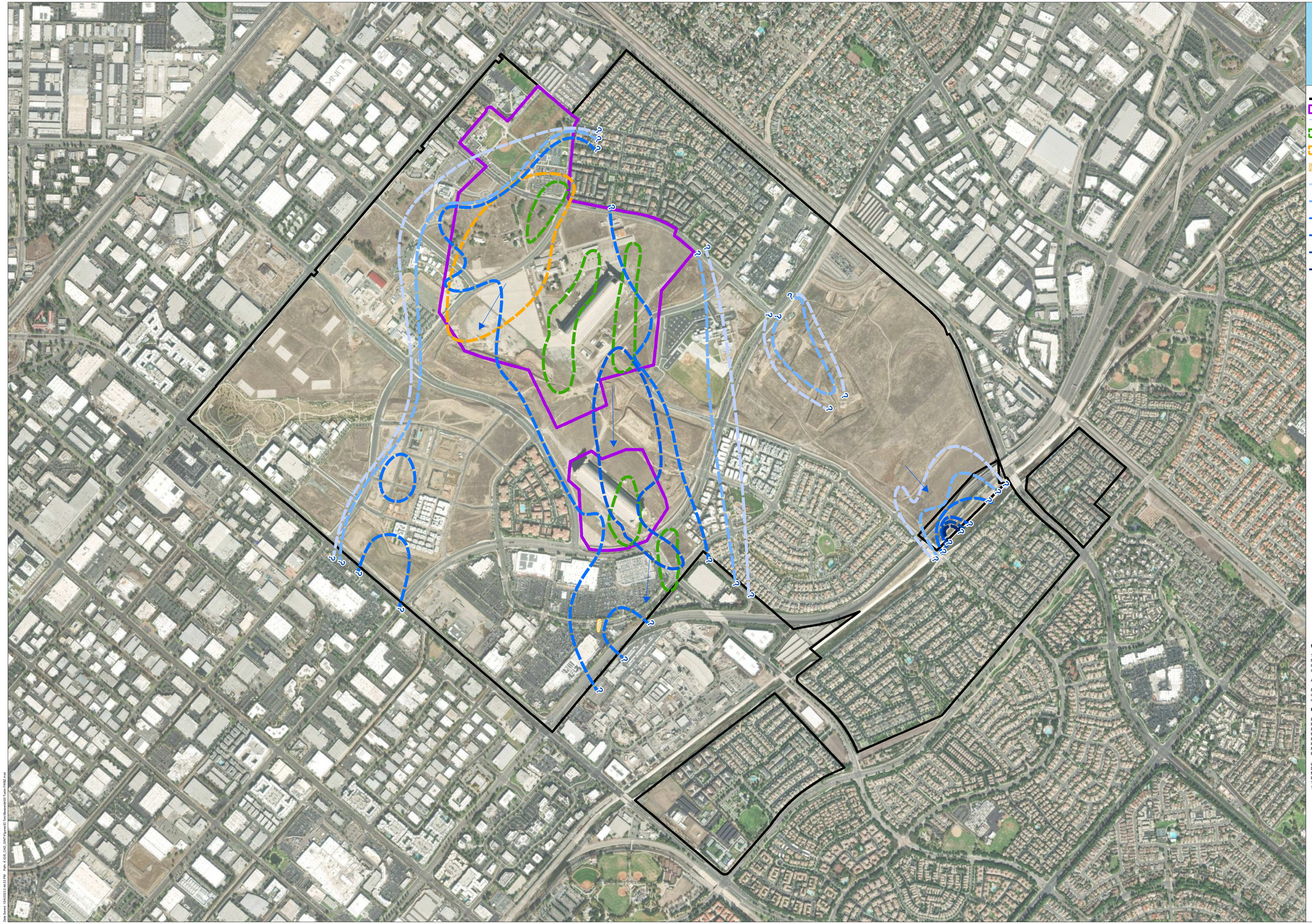

- Former MCAS Tustin Boundary
- Carve-Out Boundary (Navy Property)
- General Groundwater Flow Direction
- Approximate Extent of TCE in Groundwater Exceeding 5 µg/L
- Approximate Extent of 1,2,3-TCP in Groundwater Exceeding 0.005 µg/L
- Approximate Extent of 1,1-DCE in Groundwater Exceeding 6 µg/L
- Estimated Extent of PFAS >1x Screening Level
- Estimated Extent of PFAS >10x Screening Level
- Estimated Extent of PFAS >100x Screening Level
- Estimated Extent of PFAS >1,000x Screening Level
- Estimated Extent of PFAS >10,000x Screening Level
- Estimated Extent of PFAS >100,000x Screening Level

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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Notes:

The PFAS plume extents are estimated based on data collected from July 2016 through March 2022 by the Navy or provided by the City of Tustin. Maximum concentrations were used where duplicate, split, or sequential sample results were available.

Approximate depth to groundwater: 5-30 feet below ground surface

PFAS estimated extents are based on screening eight PFAS compounds against their established screening levels and utilizing the most conservative detected results.

PFAS Screening Levels for Tap water (nanograms per liter):

Perfluorooctanoic acid (PFOA) = 6.0
Perfluorooctane sulfonate (PFOS) = 4.0
Perfluorobutanesulfonic acid (PFBS) = 601
Perfluorononanoic Acid (PFNA) = 6.0
Perfluorohexanesulfonate (PFHxS) = 39
Hexafluoropropylene oxide dimer acid (HFPO-DA) = 6.0
Perfluorobutanoic acid (PFBA) = 1,800
Perfluorohexanoic acid (PFHxA) = 990

µg/L = micrograms per liter
DCE = dichloroethene
MCAS = Marine Corps Air Station
PFAS = per- and polyfluoroalkyl substances
TCE = trichloroethene
TCP = trichloropropane

N

0 300 600 1,200
Feet

Lateral Extents of Plumes in the First Water-Bearing Zone

Former Marine Corps Air Station Tustin
Tustin, California

NAVFAC

Figure 1

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