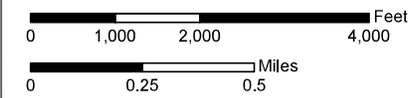


-  NASA Ames Research Center Boundary
-  Navy Site 1
-  Navy Site 14
-  Navy Site 22
-  Navy Site 26
-  Navy Site 28
-  Navy Site 29
-  Former NAS Moffett Field Area of MEW Regional Plume Vapor Intrusion Study Area & LUC Boundary
-  NASA Groundwater LUC Area



Notes:
 MEW Middlefield-Ellis-Whisman
 NAS Naval air station
 NASA National Aeronautics and Space Administration



**NASA Ames Research Center
 Moffett Field, California**

**Figure 2
 Land Use Control Areas**



**Table 1: NASA Ames Research Center Land Use Controls
NASA Ames Research Center, Moffett Field, California**

Site	Description	Basis for LUCs	NASA Ames LUCs
Navy Site 1 Landfill	Landfill cap vegetative cover, biotic barrier and low permeability layer, gas venting trench, landfill gas and groundwater monitoring system. (1997 Navy OU1 ROD)	Prevent exposure to waste and domestic use of groundwater	<ol style="list-style-type: none"> 1. Prohibit landfill cap disturbance. 2. Maintain fencing and signage. 3. Operate and maintain Building 191 pump station and drainage system. 4. Restrict domestic groundwater use.
Navy Site 14 South	Former Navy fuel station. USTs and associated piping removed, and soil and groundwater remediation completed. NFA issued for the site in 2022.	Prevent exposure to contaminated soil and groundwater and prevent vapor intrusion.	<ol style="list-style-type: none"> 1. No residential land use: The site cannot support residential use due to potentially unacceptable vapor intrusion from residual contamination in soil vapor and groundwater. 2. No grading, excavation, or subsurface activities without a risk management plan: Any work involving soil excavation, trenching, or groundwater contact must be conducted pursuant to a risk management plan that is acceptable to Regional Water Board staff. 3. No shallow groundwater use: Shallow groundwater beneath the site should not be used for drinking water or for landscaping or garden irrigation without further assessment due to the presence of diminishing residual contamination. 4. Real estate documents: Include Water Board’s 15SEPT2022-letter conferring NFA status in all real estate disclosure, lease and transfer documents pertaining to this site.



Site	Description	Basis for LUCs	NASA Ames LUCs
Navy Site 22 Landfill	Landfill cap with vegetative cover and biotic barrier, landfill gas and groundwater monitoring system. (2002 Navy Site 22 Landfill ROD)	Prevent exposure to waste and domestic use of groundwater	<ol style="list-style-type: none"> 1. Protect the structural aspects of the landfill cap (biotic barrier) by restricting activities that could potentially disturb the cap. 2. Maintain vegetation, topsoil layer, irrigation system, and drainage components, including surface contours, encompassed within and adjacent to the Site 22 remedy boundary. 3. Maintain and operate the Building 191 pump station. 4. Prohibit extraction of groundwater from Site 22. 5. Prohibit residential land use of the site and obtain regulatory approval for consideration of alternative land use. 6. Include a restrictive covenant in the deed for conveyance of any portion of the Site 22 landfill to include LUCs.
Navy Site 26 (OU 5)	Groundwater treatment by biostimulation/ bioaugmentation and monitored natural attenuation. (1996 Navy OU5 ROD and 2014 Navy Site 26 ROD Amendment)	Prevent domestic use of groundwater	<ol style="list-style-type: none"> 1. Restrict domestic groundwater use. 2. Address vapor intrusion in new construction or modifications to existing structures.
Navy Site 28 WATS Area	Groundwater extraction, treatment and monitoring system.	Prevent domestic use of groundwater	NASA Ames implementation of domestic groundwater use restrictions.



Site	Description	Basis for LUCs	NASA Ames LUCs
Navy Site 29 Hangar 1	Navy removal action conducted in 2013 consisting of siding removal, soil excavation, storm drain sediment removal, and frame coating application. (2013 Navy Long-Term Management Plan; 2013 Navy Proposed Plan)	Prevent exposure to underlying paint on the Hangar 1 structure	<ol style="list-style-type: none"> 1. Protect the remedy through restrictions on site access, activities and use, including site development or modifications to the Hangar 1 structure. 2. Incorporate LUCs into all current and prospective lease agreements; 3. Ensure building inhabitants are notified of potential exposure hazards. 4. Address worker exposure hazards and require post-construction repairs over the coating for building modifications. 5. Provide a restrictive covenant in the deed for conveyance of any portion of the Hangar 1 site to include LUCs.
Former NAS Moffett Field Area of MEW Regional Plume	Former NAS Moffett Field Area of MEW Regional Plume and MEW Companies, Navy and NASA geographical groundwater areas of responsibility	Prevent domestic use of groundwater	NASA Ames implementation of domestic groundwater use restrictions.
Former NAS Moffett Field Area of MEW Regional Plume Vapor Intrusion Study Area	Former NAS Moffett Field Area of MEW Regional Plume Vapor Intrusion Study Area. (2010 MEW Vapor Intrusion ROD Amendment)	Prevent exposure to volatile organic compounds in indoor air	<ol style="list-style-type: none"> 1. Incorporate requirements for vapor intrusion engineering controls in future construction (or modifications to existing buildings) in permitting and building design processes. 2. Establish Recorded Agreements to ensure installation and operation of vapor intrusion engineering controls. 3. Provide information on vapor intrusion to future owners. 4. Provide information regarding building and occupancy changes to EPA.