

National Aeronautics and Space Administration



Ames Research Center
Moffett Field, California 94035

February 19, 2020

Moffett Field Historical Society
P.O. Box 16
Moffett Field, CA 94035-0016

Subject: Section 106 Consultation for the MFA Hangar 1 Rehabilitation Project at NASA Ames Research Center, Moffett Field, Santa Clara County, CA (NASA_2019_1210_001)

Dear Moffett Field Historical Society,

In support of its responsibilities under Section 106 of the National Historic Preservation Act of 1966 (NHPA), the National Aeronautics and Space Administration Ames Research Center (NASA ARC) has initiated Section 106 consultation with the California State Historic Preservation Officer (SHPO) regarding the Hangar 1 Rehabilitation Project (project or undertaking) located at Moffett Field, Santa Clara County, California (see attached Figure 1 for project location map). Built in 1933, Hangar 1 is listed in the National Register of Historic Places (NRHP) as a contributor to the U.S. Naval Air Station (NAS) Sunnyvale Historic District and is also individually eligible for listing; therefore, it qualifies as a historic property for the purposes of Section 106 consultation.

In 2002, an investigation was undertaken to test the building materials in Hangar 1 for PCBs and other potential contaminants, specifically lead and asbestos. The results of this sample and analysis program confirmed that the Hangar 1 siding contained PCBs and asbestos and that the lead-based paint (LBP) used to cover both the siding and the steel frame also contained PCBs at elevated concentrations. Due to the presence of PCBs and lead in Hangar 1 building materials, in 2002, NASA ARC closed the hangar to all personnel except those involved in essential maintenance, abatement, or environmental cleanup activities. From 2010 to 2013 abatement of hazardous materials at Hangar 1 was undertaken, including the removal of the siding and roofing, deconstruction of interior structures, cleaning by high-pressure washing and preparation of steel and/or concrete surfaces, and application of an epoxy coating system to encapsulate residual PCBs.

In 2014, Planetary Ventures, LLC (PV) entered into a lease agreement with NASA ARC for the MFA premises, including use of Hangar 1 for research and development, such as testing and light assembly uses related to space, aviation, rover/robotics and other emerging technologies. NASA ARC is currently reviewing PV's proposed rehabilitation plans for Hangar 1, which would qualify as a federal undertaking under Section 106 of the NHPA. The rehabilitation will be completed in two phases. Phase I will address the abatement of the steel frame and concrete walls to control the release of PCB- and lead-impacted paint, and asbestos-containing materials. To reduce the potential risks to human health and the environment, the coatings need to be abated as soon as possible. Phase II comprises the exterior re-cladding, seismic strengthening, and core interior improvements for occupancy of Hangar 1. The proposed rehabilitation includes a metal skin, glazing systems, and roofing system to ensure that the hangar is enclosed and that past performance issues are addressed. These features have been designed to recreate the appearance of the original features and materials of Hangar 1.

NASA ARC is contacting you to assess your organization's interest in participating as a consulting party as defined in 36 CFR Section 800.2(c) in the Section 106 of the NHPA review process for the Hangar 1 Rehabilitation Project. If you would like to participate, you may elect to do so by sending written notification by email with the subject heading "Hangar 1 Section 106 Consultation Interested Party" to Jonathan.d.ikan@nasa.gov within the next 30 days. Please include the following information:

1. Name
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4. Address
5. Email address
6. Phone number
7. Statement of election to participate as a consulting party

Please contact me if you have any questions pertaining to this process. I appreciate your attention and look forward to hearing from you regarding this Undertaking.

Sincerely,



Jonathan Ikan
Cultural Resource Manager, Facilities Engineering Branch
NASA Ames Research Center, Mail Stop 213-8
Moffett Field, CA 94035
(605) 604-6859
Jonathan.d.ikan@nasa.gov

Cc:

Ms. Rebecca Klein, NASA FPO
Environmental Management Division
NASA Headquarters
300 E Street, SW
Washington, DC 20546-0001

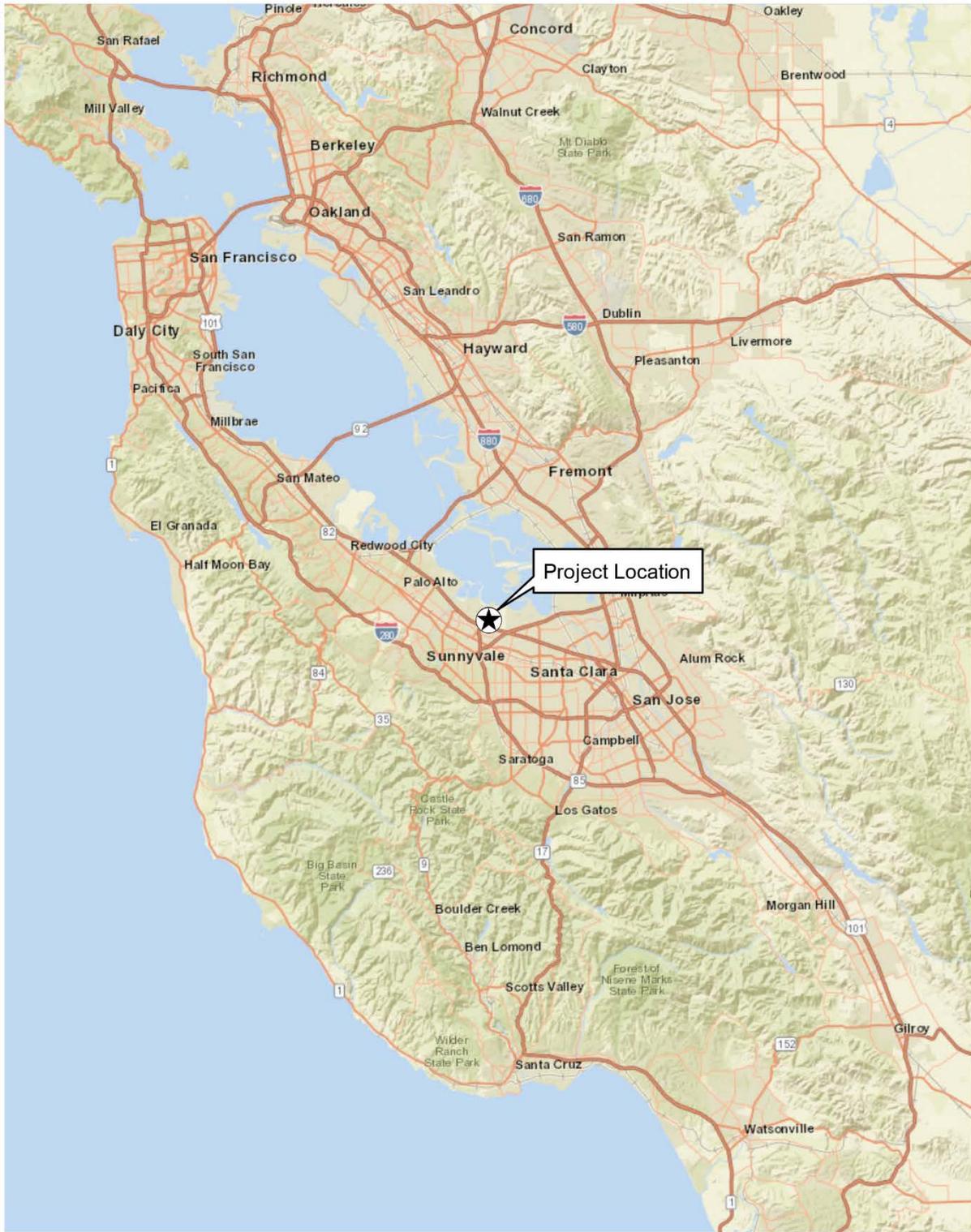
Lease Administration Team
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Mountain View, CA 94043

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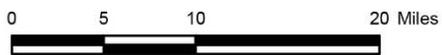
Attachments:

Figure 1. Regional Project Location Map

FIGURE 1: Regional Project Location Map



Source: ESRI, AECOM, NASA



Scale: 1 = 633,600; 1 inch = 10 mile(s)

National Aeronautics and Space Administration



Ames Research Center
Moffett Field, California 94035

February 18, 2020

Trudi Ryan
Community Development Director
City of Sunnyvale
456 W. Olive Avenue
Sunnyvale, CA 94086

Subject: Section 106 Consultation for the MFA Hangar 1 Rehabilitation Project at NASA Ames Research Center, Moffett Field, Santa Clara County, CA (NASA_2019_1210_001)

Dear Ms. Ryan,

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Jonathan Ikan
Cultural Resource Manager, Facilities Engineering Branch
NASA Ames Research Center, Mail Stop 213-8
Moffett Field, CA 94035
(605) 604-6859
Jonathan.d.ikan@nasa.gov

Cc:

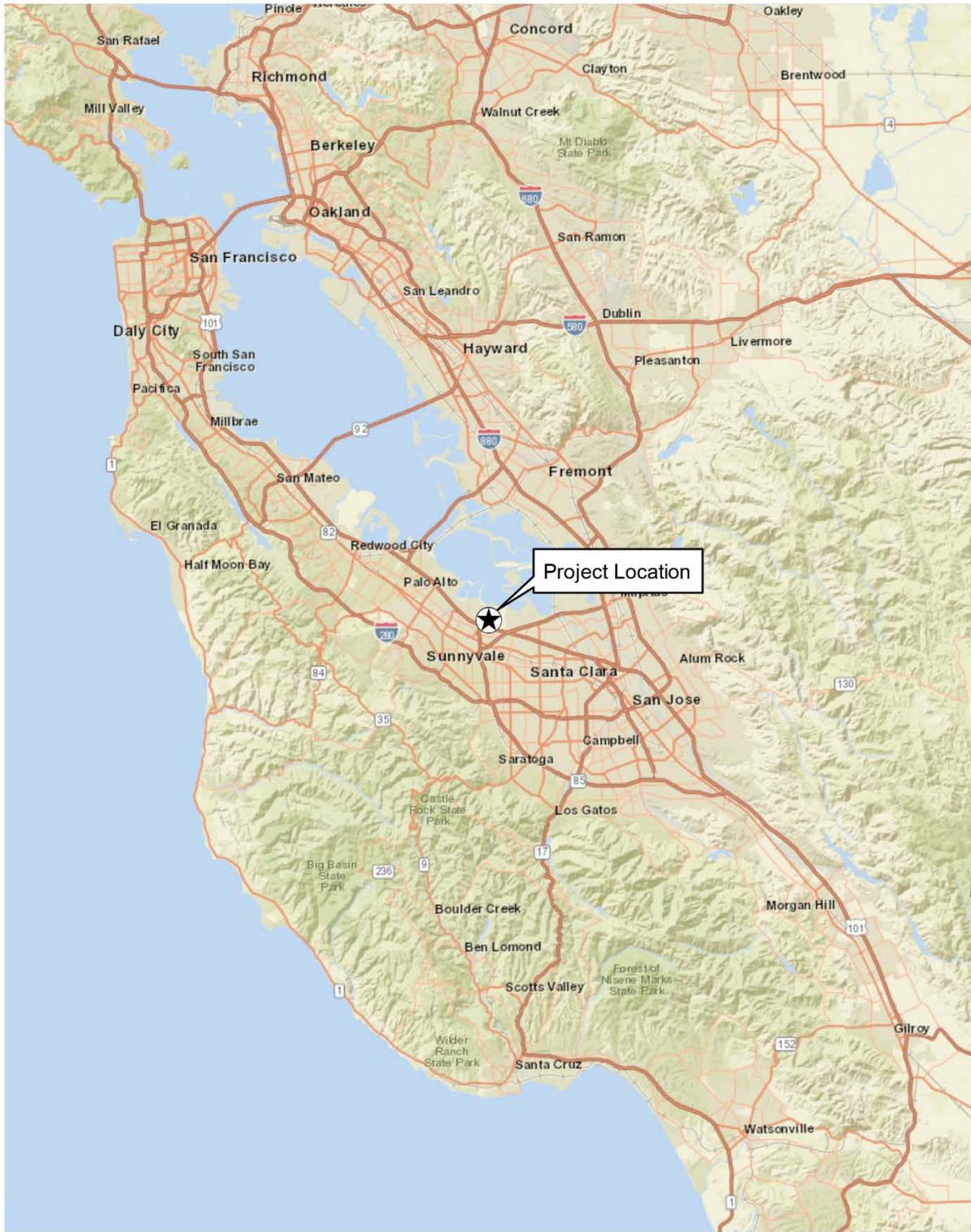
Ms. Rebecca Klein, NASA FPO
Environmental Management Division
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300 E Street, SW
Washington, DC 20546-0001

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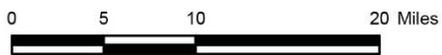
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National Aeronautics and Space Administration



Ames Research Center
Moffett Field, California 94035

February 18, 2020

Aarti Shrivastava
Assistant City Manager/Community Development Director
City of Mountain View
500 Castro Street, 1st Floor
Mountain View, CA 94035-0016

Subject: Section 106 Consultation for the MFA Hangar 1 Rehabilitation Project at NASA Ames Research Center, Moffett Field, Santa Clara County, CA (NASA_2019_1210_001)

Dear Ms. Shrivastava,

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Sincerely,

Jonathan Ikan
Cultural Resource Manager, Facilities Engineering Branch
NASA Ames Research Center, Mail Stop 213-8
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Cc:

Ms. Rebecca Klein, NASA FPO
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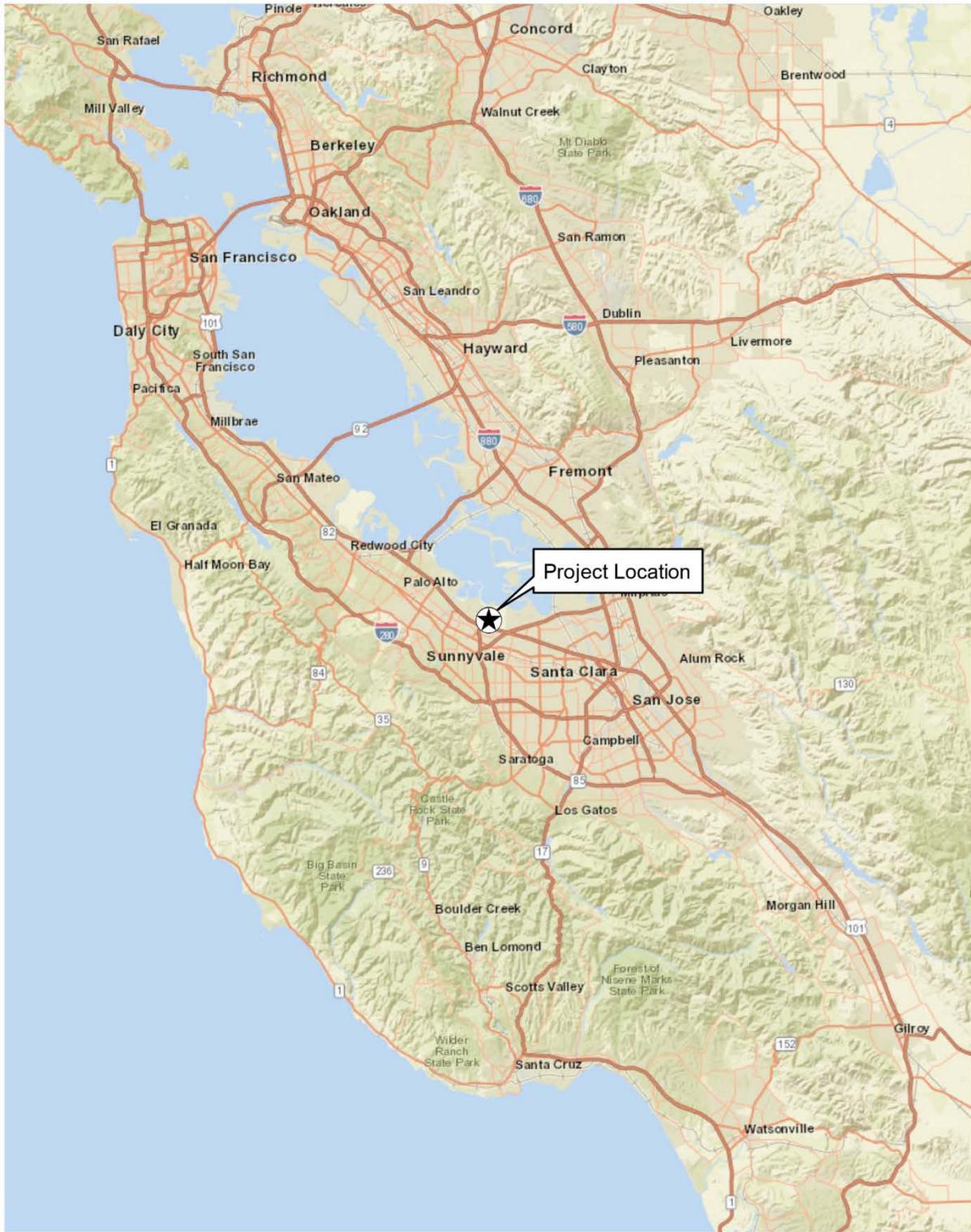
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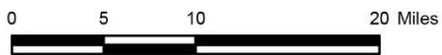
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National Aeronautics and Space Administration



Ames Research Center
Moffett Field, California 94035

February 18, 2020

Laura Babcock
Director
Sunnyvale Historical Society
P.O. Box 2187
Sunnyvale, CA 94087-0187

Subject: Section 106 Consultation for the MFA Hangar 1 Rehabilitation Project at NASA Ames Research Center, Moffett Field, Santa Clara County, CA (NASA_2019_1210_001)

Dear Ms. Babcock,

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NASA Ames Research Center, Mail Stop 213-8
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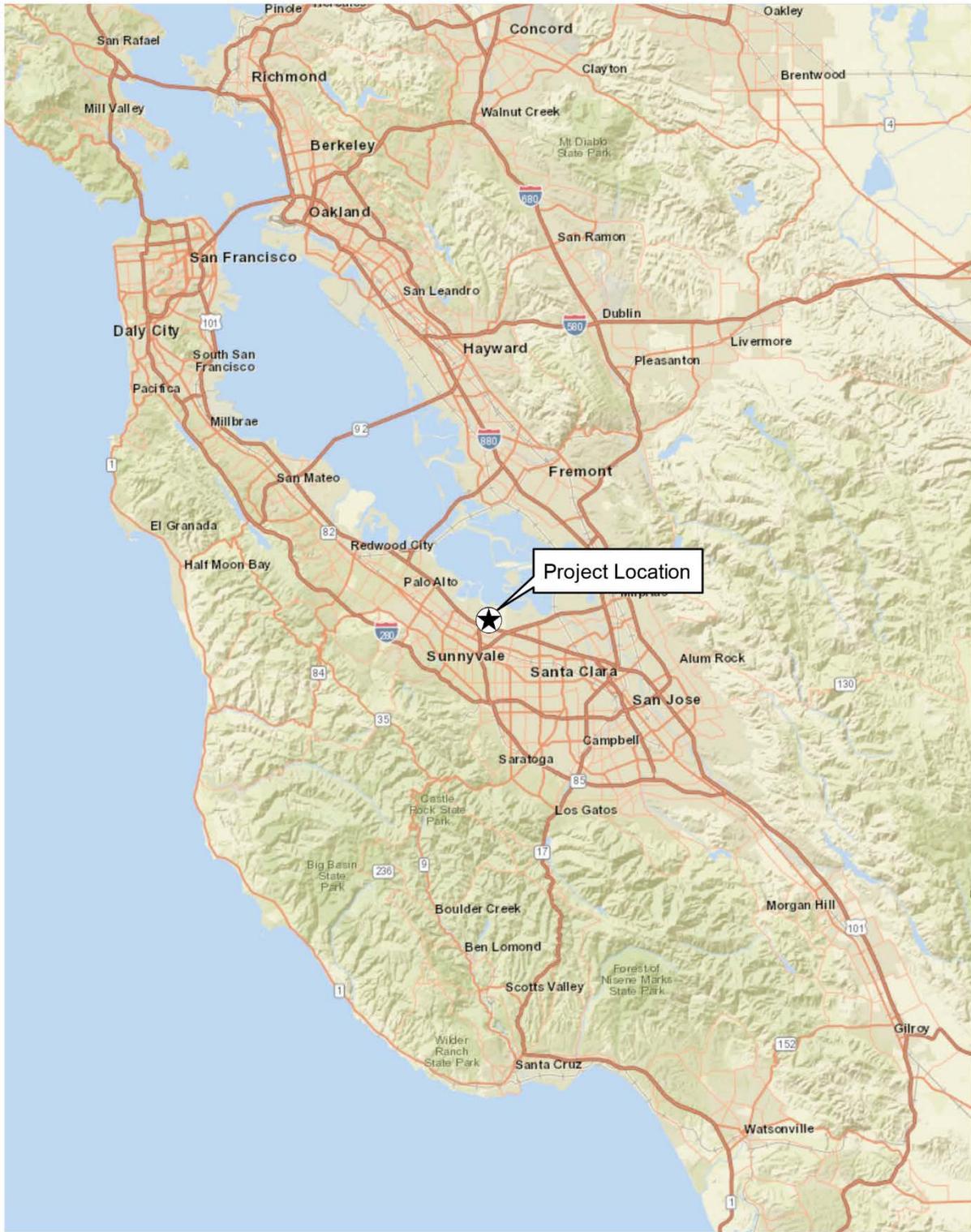
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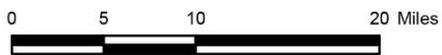
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National Aeronautics and Space Administration



Ames Research Center
Moffett Field, California 94035

February 18, 2020

Nick Perry
President
Mountain View Historical Association
P.O. Box 252
Mountain View, CA 94042

Subject: Section 106 Consultation for the MFA Hangar 1 Rehabilitation Project at NASA Ames Research Center, Moffett Field, Santa Clara County, CA (NASA_2019_1210_001)

Dear Mr. Perry,

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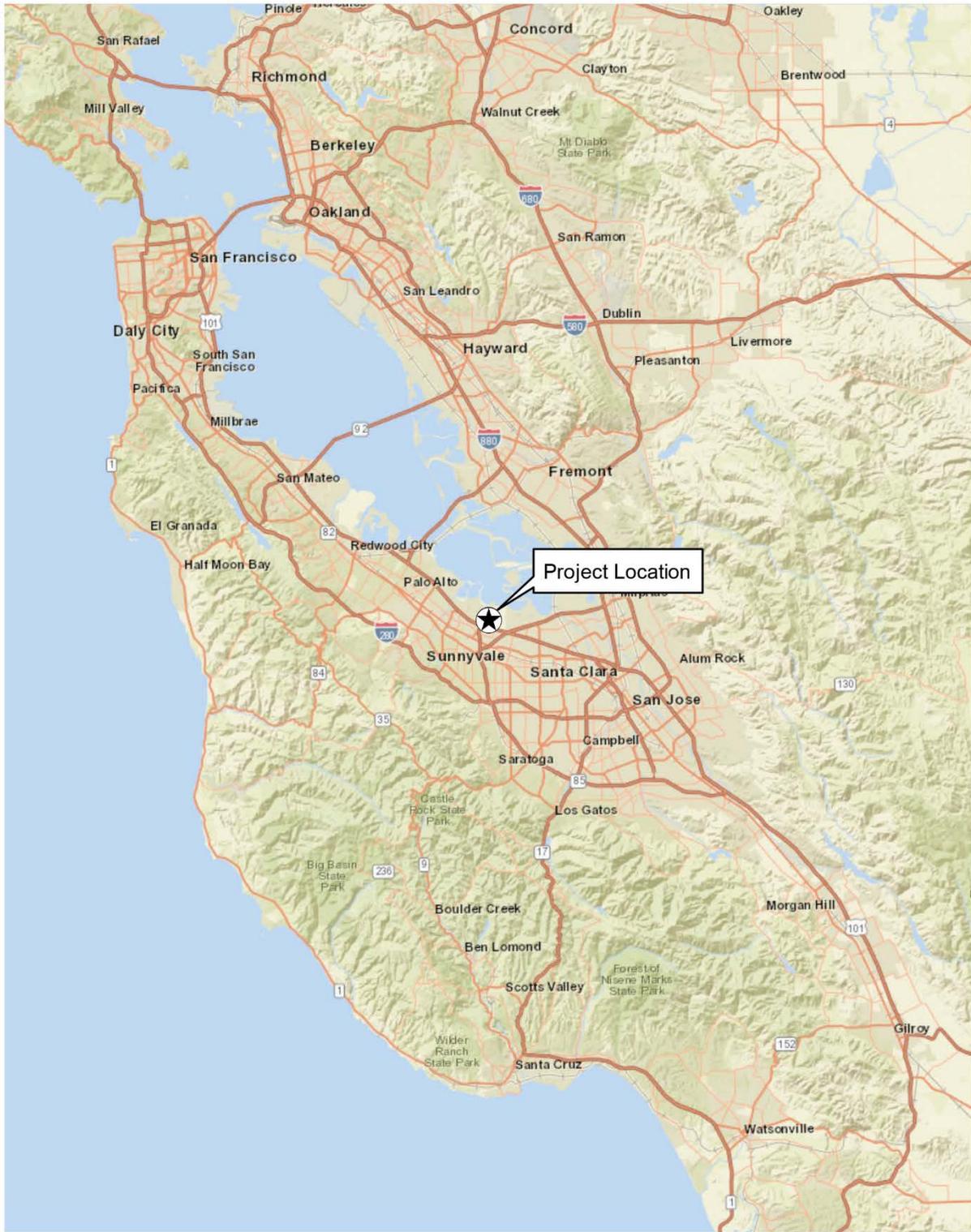
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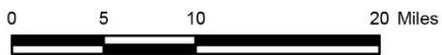
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Ames Research Center
Moffett Field, California 94035

February 18, 2020

William P. Schroh, Jr.
President & CEO
History San Jose
1650 Senter Road
San Jose, CA 95112

Subject: Section 106 Consultation for the MFA Hangar 1 Rehabilitation Project at NASA Ames Research Center, Moffett Field, Santa Clara County, CA (NASA_2019_1210_001)

Dear Mr. Schroh,

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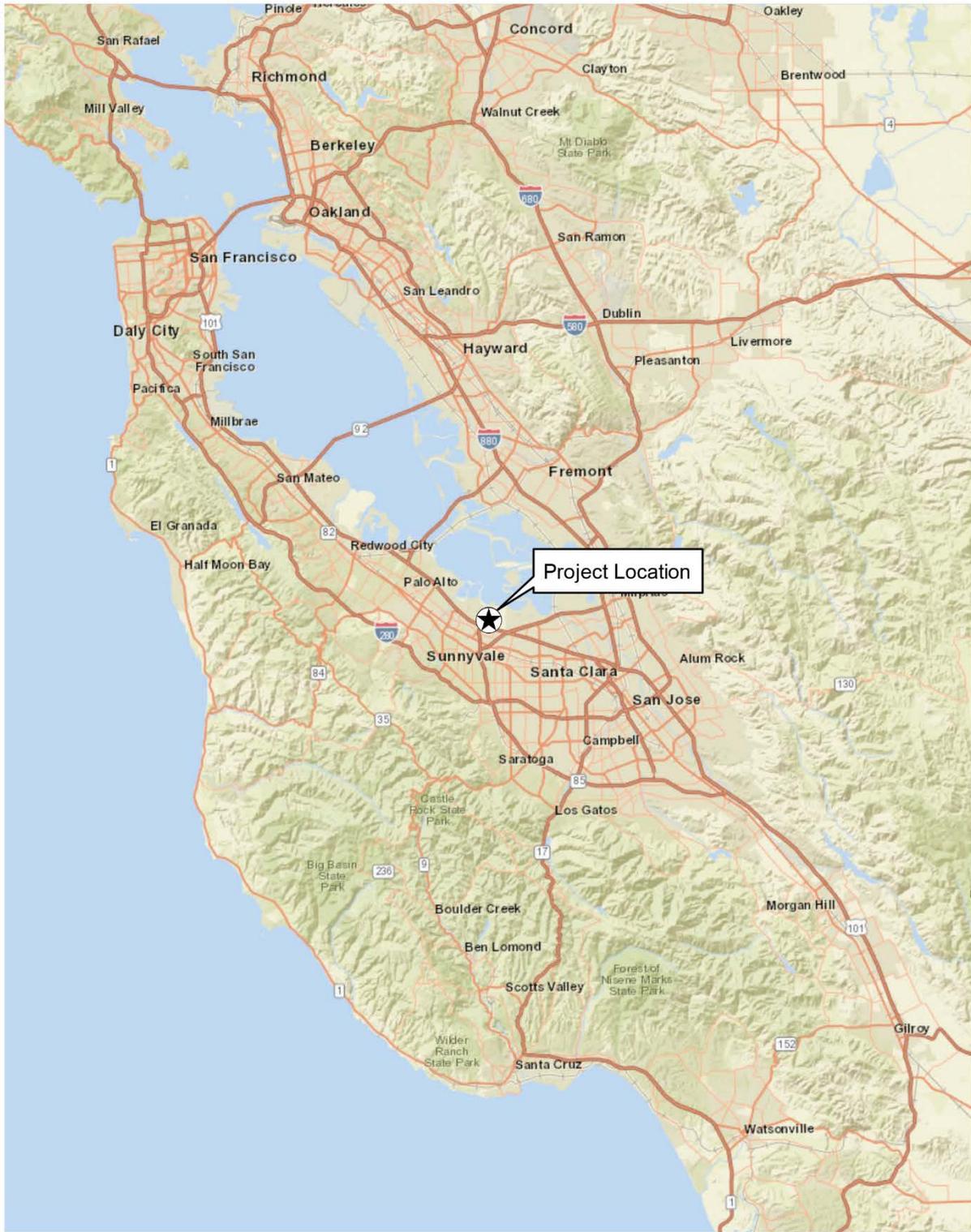
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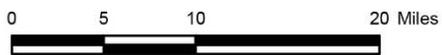
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Ames Research Center
Moffett Field, California 94035

February 18, 2020

Cindy Heitzman
Executive Director
California Preservation Foundation
101 The Embarcadero, Suite 120
San Francisco, CA 94105-1215

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Dear Ms. Heitzman,

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In 2002, an investigation was undertaken to test the building materials in Hangar 1 for PCBs and other potential contaminants, specifically lead and asbestos. The results of this sample and analysis program confirmed that the Hangar 1 siding contained PCBs and asbestos and that the lead-based paint (LBP) used to cover both the siding and the steel frame also contained PCBs at elevated concentrations. Due to the presence of PCBs and lead in Hangar 1 building materials, in 2002, NASA ARC closed the hangar to all personnel except those involved in essential maintenance, abatement, or environmental cleanup activities. From 2010 to 2013 abatement of hazardous materials at Hangar 1 was undertaken, including the removal of the siding and roofing, deconstruction of interior structures, cleaning by high-pressure washing and preparation of steel and/or concrete surfaces, and application of an epoxy coating system to encapsulate residual PCBs.

In 2014, Planetary Ventures, LLC (PV) entered into a lease agreement with NASA ARC for the MFA premises, including use of Hangar 1 for research and development, such as testing and light assembly uses related to space, aviation, rover/robotics and other emerging technologies. NASA ARC is currently reviewing PV's proposed rehabilitation plans for Hangar 1, which would qualify as a federal undertaking under Section 106 of the NHPA. The rehabilitation will be completed in two phases. Phase I will address the abatement of the steel frame and concrete walls to control the release of PCB- and lead-impacted paint, and asbestos-containing materials. To reduce the potential risks to human health and the environment, the coatings need to be abated as soon as possible. Phase II comprises the exterior re-cladding, seismic strengthening, and core interior improvements for occupancy of Hangar 1. The proposed rehabilitation includes a metal skin, glazing systems, and roofing system to ensure that the

hangar is enclosed and that past performance issues are addressed. These features have been designed to recreate the appearance of the original features and materials of Hangar 1.

NASA ARC is contacting you to assess your organization's interest in participating as a consulting party as defined in 36 CFR Section 800.2(c) in the Section 106 of the NHPA review process for the Hangar 1 Rehabilitation Project. If you would like to participate, you may elect to do so by sending written notification by email with the subject heading "Hangar 1 Section 106 Consultation Interested Party" to Jonathan.d.ikan@nasa.gov within the next 30 days. Please include the following information:

1. Name
2. Title
3. Organization/Affiliation
4. Address
5. Email address
6. Phone number
7. Statement of election to participate as a consulting party

Please contact me if you have any questions pertaining to this process. I appreciate your attention and look forward to hearing from you regarding this Undertaking.

Sincerely,

Jonathan Ikan
Cultural Resource Manager, Facilities Engineering Branch
NASA Ames Research Center, Mail Stop 213-8
Moffett Field, CA 94035
(605) 604-6859
Jonathan.d.ikan@nasa.gov

Cc:

Ms. Rebecca Klein, NASA FPO
Environmental Management Division
NASA Headquarters
300 E Street, SW
Washington, DC 20546-0001

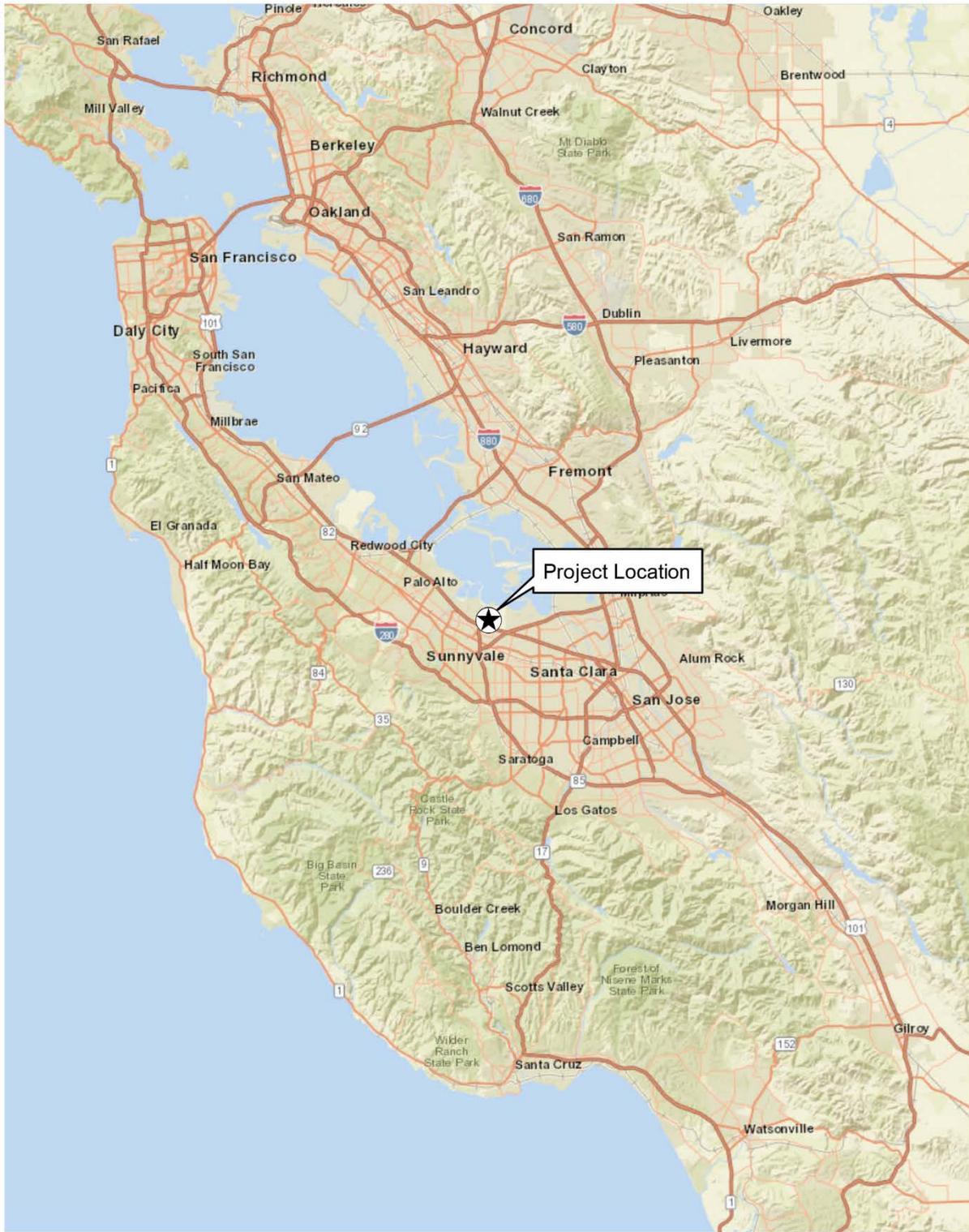
Lease Administration Team
Planetary Ventures
1600 Amphitheater Pkwy
Mountain View, CA 94043

Legal Department/Legal Matters
Planetary Ventures
1600 Amphitheater Pkwy
Mountain View, CA 94043

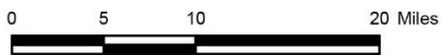
Attachments:

Figure 1. Regional Project Location Map

FIGURE 1: Regional Project Location Map



Source: ESRI, AECOM, NASA



Scale: 1 = 633,600; 1 inch = 10 mile(s)

National Aeronautics and Space Administration



Ames Research Center
Moffett Field, California 94035

February 18, 2020

Christina Morris
Field Director
National Trust for Historic Preservation, Los Angeles Office
700 Flower Street, Suite 1100
Los Angeles, CA 90017

Subject: Section 106 Consultation for the MFA Hangar 1 Rehabilitation Project at NASA Ames Research Center, Moffett Field, Santa Clara County, CA (NASA_2019_1210_001)

Dear Ms. Morris,

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Sincerely,

Jonathan Ikan
Cultural Resource Manager, Facilities Engineering Branch
NASA Ames Research Center, Mail Stop 213-8
Moffett Field, CA 94035
(605) 604-6859
Jonathan.d.ikan@nasa.gov

Cc:

Ms. Rebecca Klein, NASA FPO
Environmental Management Division
NASA Headquarters
300 E Street, SW
Washington, DC 20546-0001

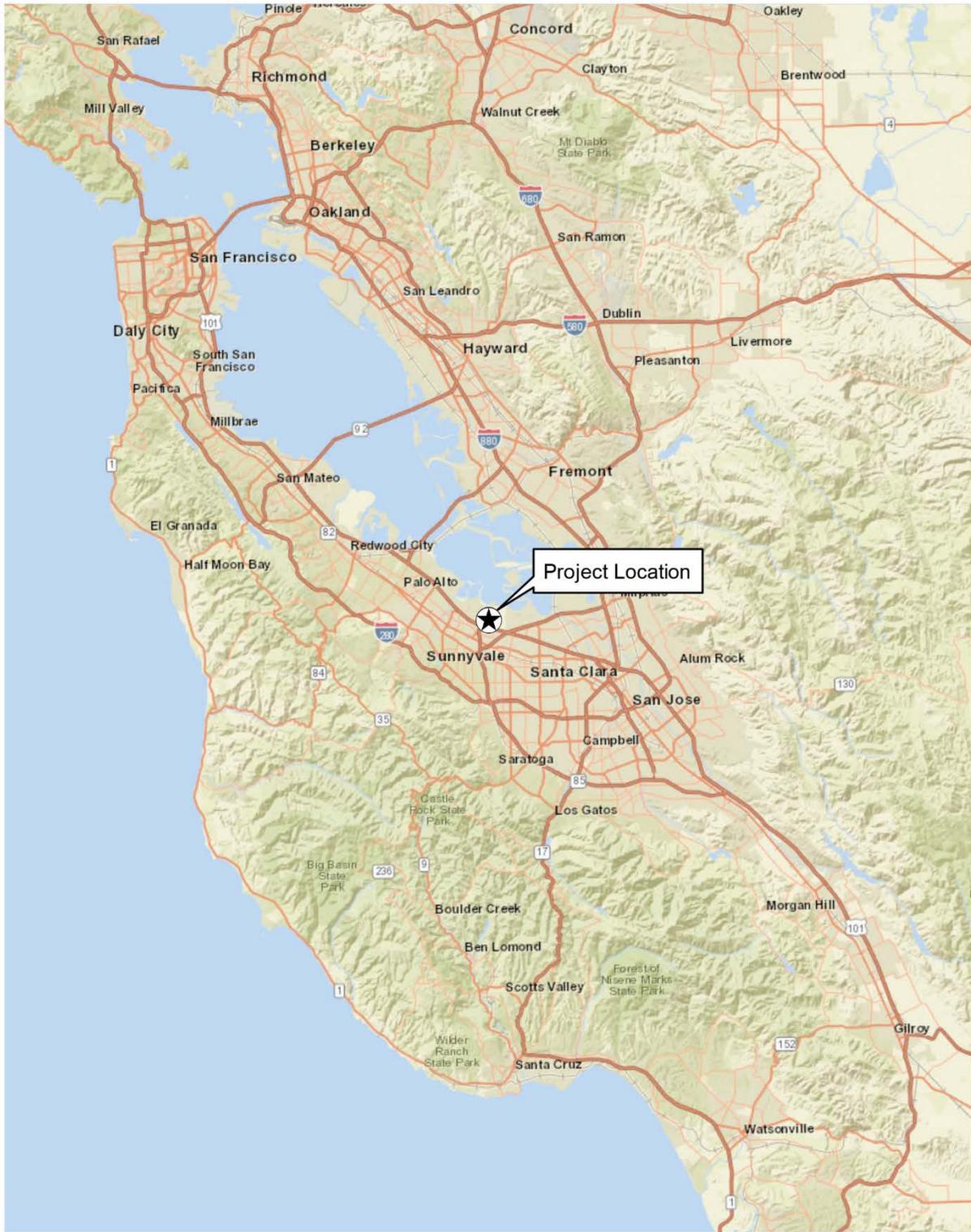
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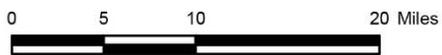
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