



Ronald Reagan
Washington
National Airport



Runway Safety Area Enhancements Runway 1-19

Public Information Workshop Environmental Assessment Scoping

JULY 30, 2008

Purpose of Scoping

Runway Safety Area (RSA) Enhancements
Runway 1-19

- Solicit input from agencies and the public
- Identify significant environmental issues to be analyzed in greater depth
- Eliminate from detailed study issues that are insignificant or have been covered by prior environmental review
- Set temporal and geographic boundaries for impact analysis
- Identify available technical information and additional reasonable alternatives, if any
- Identify necessary permits, licenses, approvals, authorizations
- Clarify areas of special expertise



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Opened in 1941

860 acres

3 Runways

- **1-19** (primary runway)
- **4-22** (crosswind runway)
- **15-33** (crosswind runway)

44 airline gates

73 nonstop destinations

- **67** nonstop destinations within 1,250 miles

18.7 million passengers in 2007 (ranked 27th in US)

275,000 operations in 2007



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Preliminary Purpose & Need

Runway Safety Area (RSA) Enhancements
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Runway Safety Area Enhancements

In order to comply with Federal Aviation Administration (FAA) Order 5200.8 and FAA Advisory Circular 150/5300-13, the Authority is examining the configuration of the Runway 1-19 Runway Safety Area (RSA) at Ronald Reagan Washington National Airport.

The proposed enhancements to the Runway 1-19 RSA will bring the RSA into compliance by the 2015 FAA deadline.



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Definition: A defined surface surrounding the runway intended to provide a measure of safety in the event of an aircraft's excursion from the runway by significantly reducing the extent of personal injury and aircraft damage during overruns, undershoots, and veer-offs.

Standard RSA Dimensions for Aircraft Using DCA

- 500 feet wide
- 600 feet prior to the landing threshold
- 1,000 feet beyond the runway end

Compliance

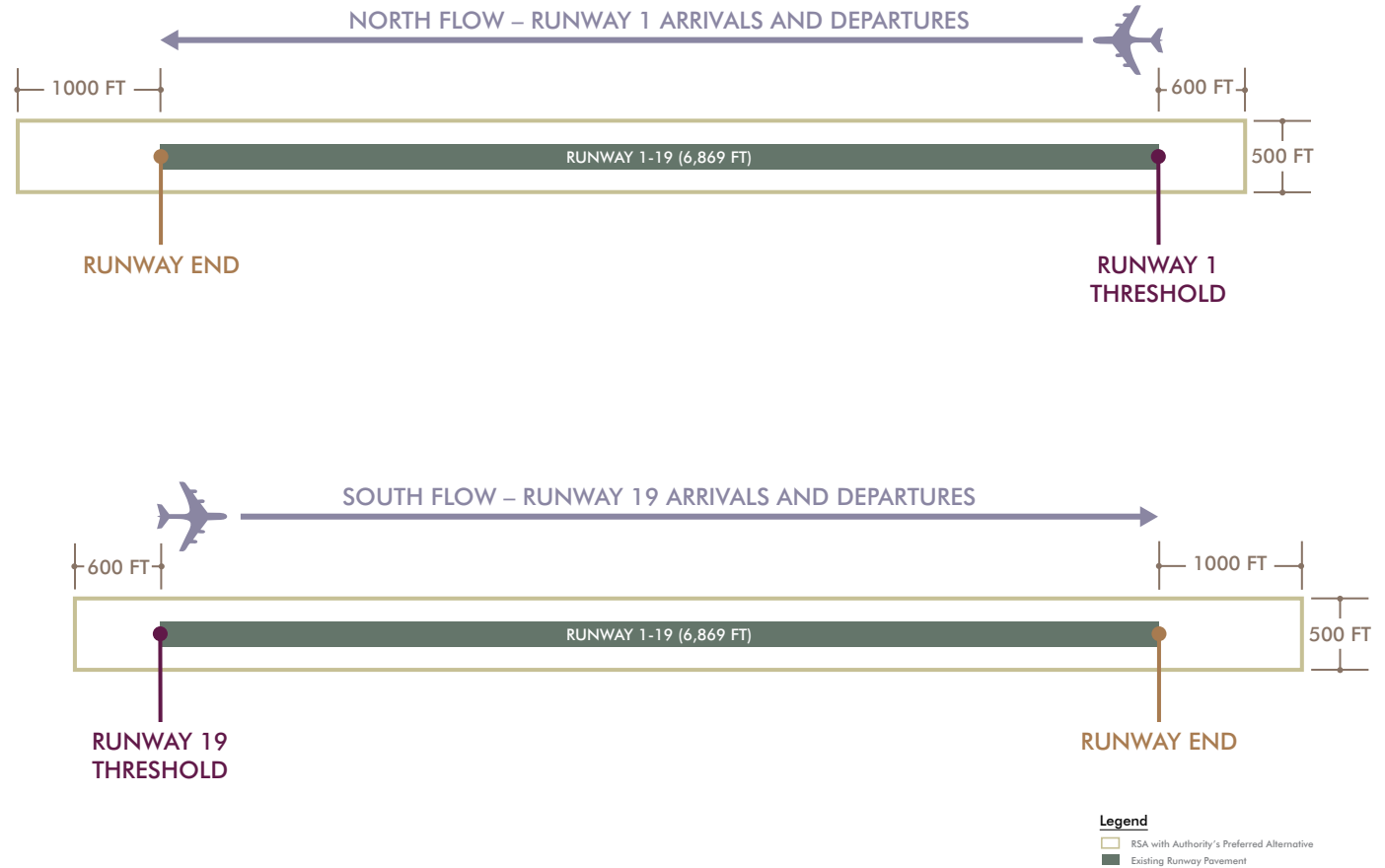
- Deadline is 2015 (2006 Transportation Appropriations Act)
- Congress and Department of Transportation (DOT) Office of Inspector General continually monitor FAA and airport progress



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Standard RSA Design Dimensions

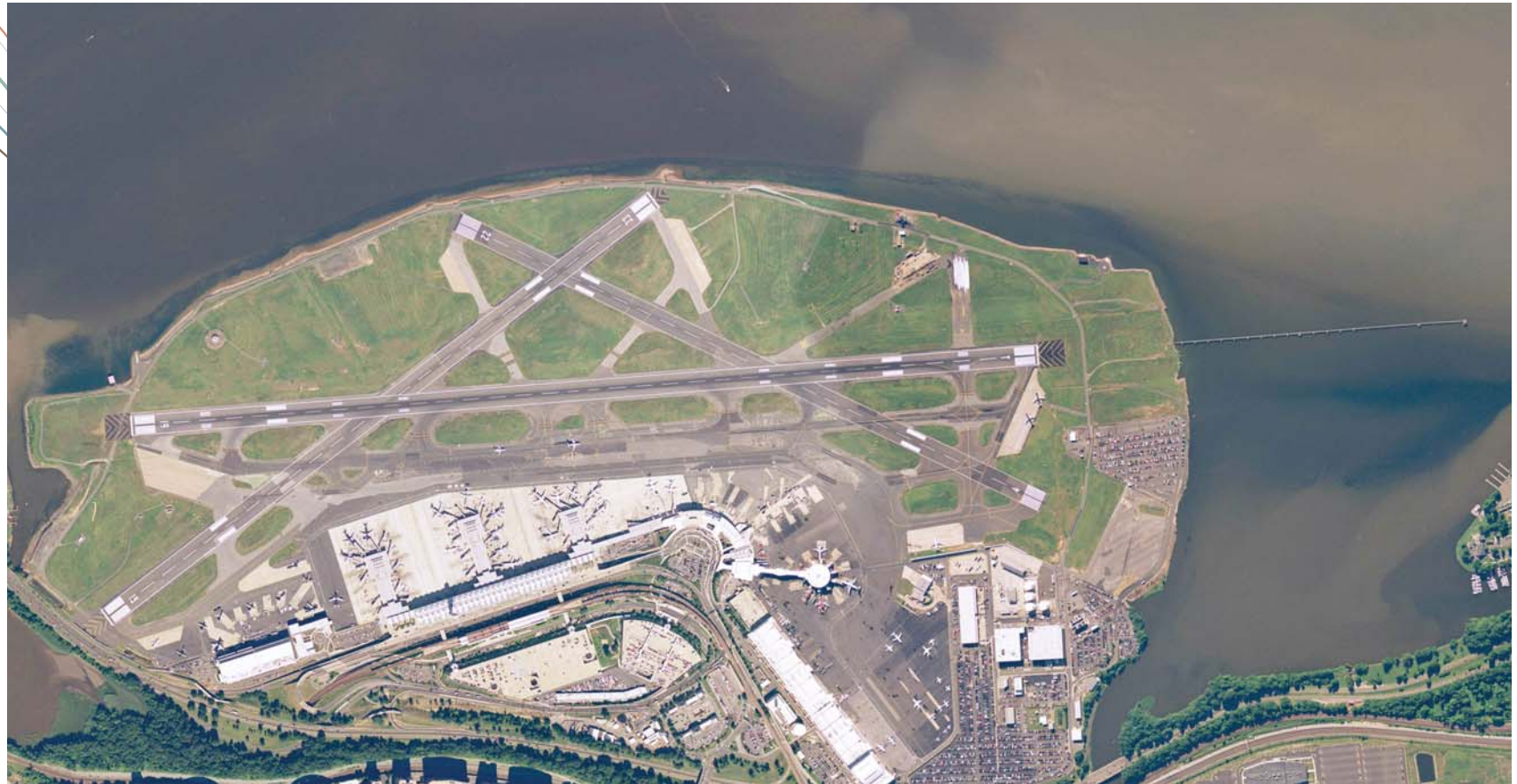
Runway Safety Area (RSA) Enhancements
Runway 1-19



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Aerial Photograph

Existing Conditions



Runway Safety Area (RSA) Enhancements
Runway 1-19



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Conceptual Aerial Photograph

Runway Safety Area (RSA) Enhancements
Runway 1-19

With Authority's Preferred Alternative

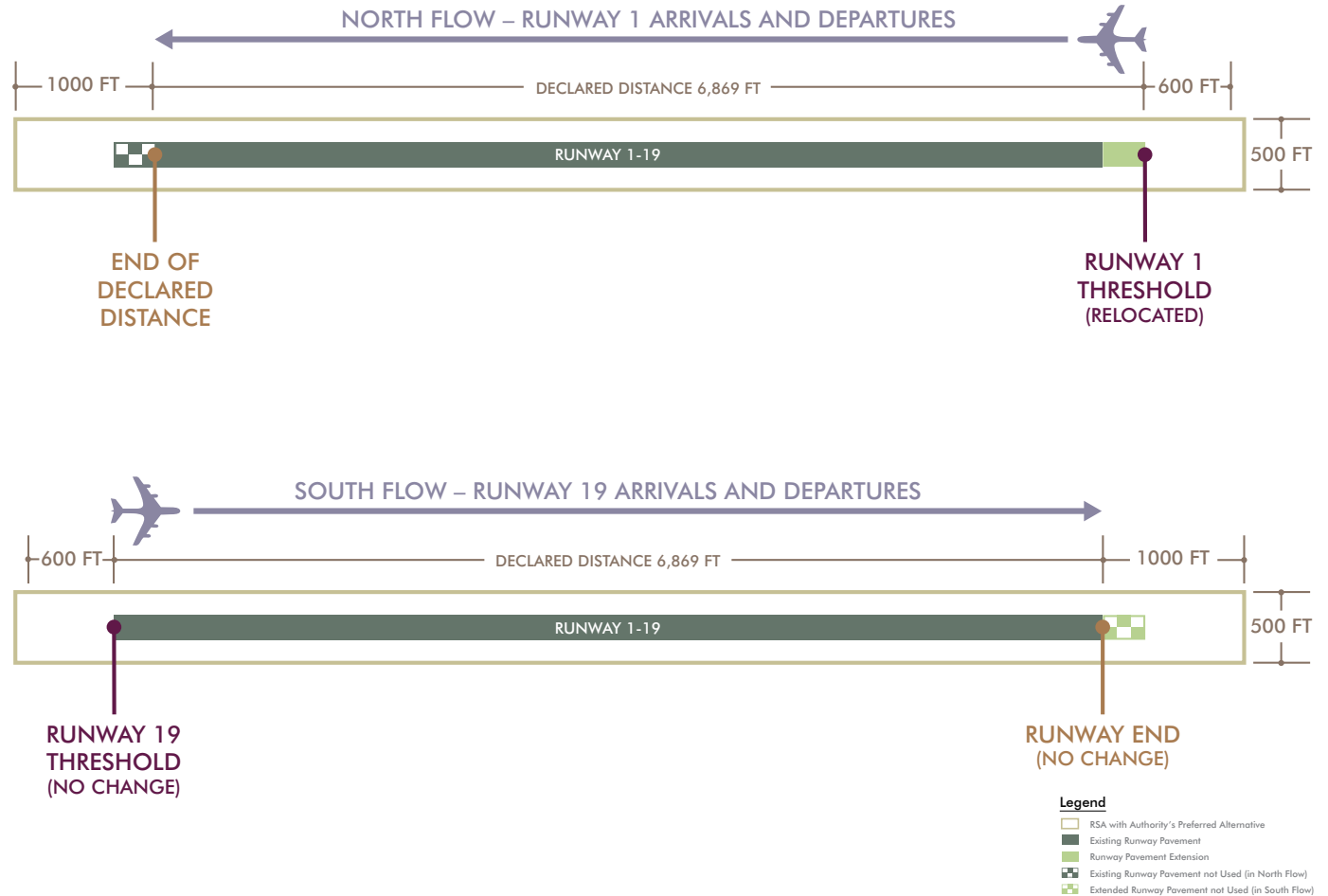


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Authority's Preferred Alternative

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Standard RSA Design Dimensions Using Declared Distances



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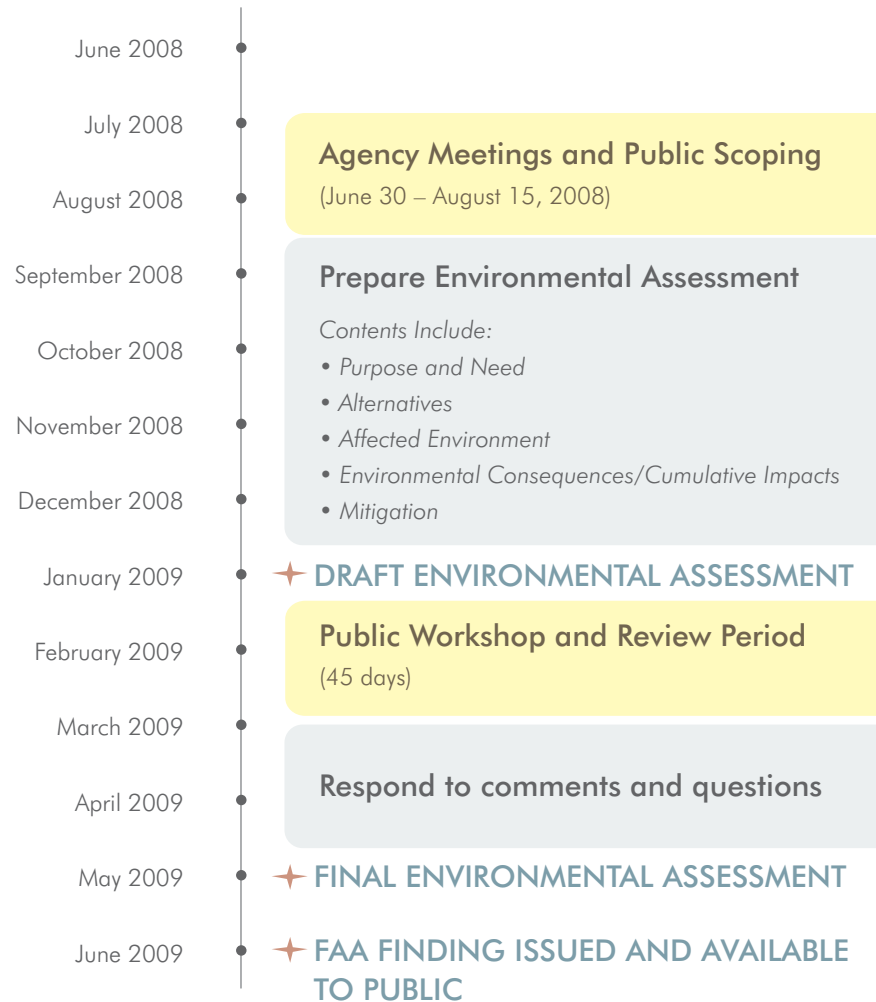
NEPA Environmental Assessment

Runway Safety Area (RSA) Enhancements
Runway 1-19

Process and Approximate Timeline



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Key Elements of NEPA EA

Runway Safety Area (RSA) Enhancements
Runway 1-19

PURPOSE AND NEED – identifies the problem (need for action), the proposed solution (purpose of action), and the proposed timeframe

PROPOSED ACTION – describes the solution

ALTERNATIVES – compares the no action and reasonable action alternatives

AFFECTED ENVIRONMENT – describes the environmental resources the proposed action and its reasonable alternatives, if any, are likely to affect

ENVIRONMENTAL CONSEQUENCES – provides concise analyses for the potential environmental impacts that the no action, proposed action and its reasonable alternatives, if any, may cause, including cumulative impacts

MITIGATION – describes the conceptual measures proposed to mitigate the identified environmental impacts



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Environmental Impact Categories

Runway Safety Area (RSA) Enhancements
Runway 1-19

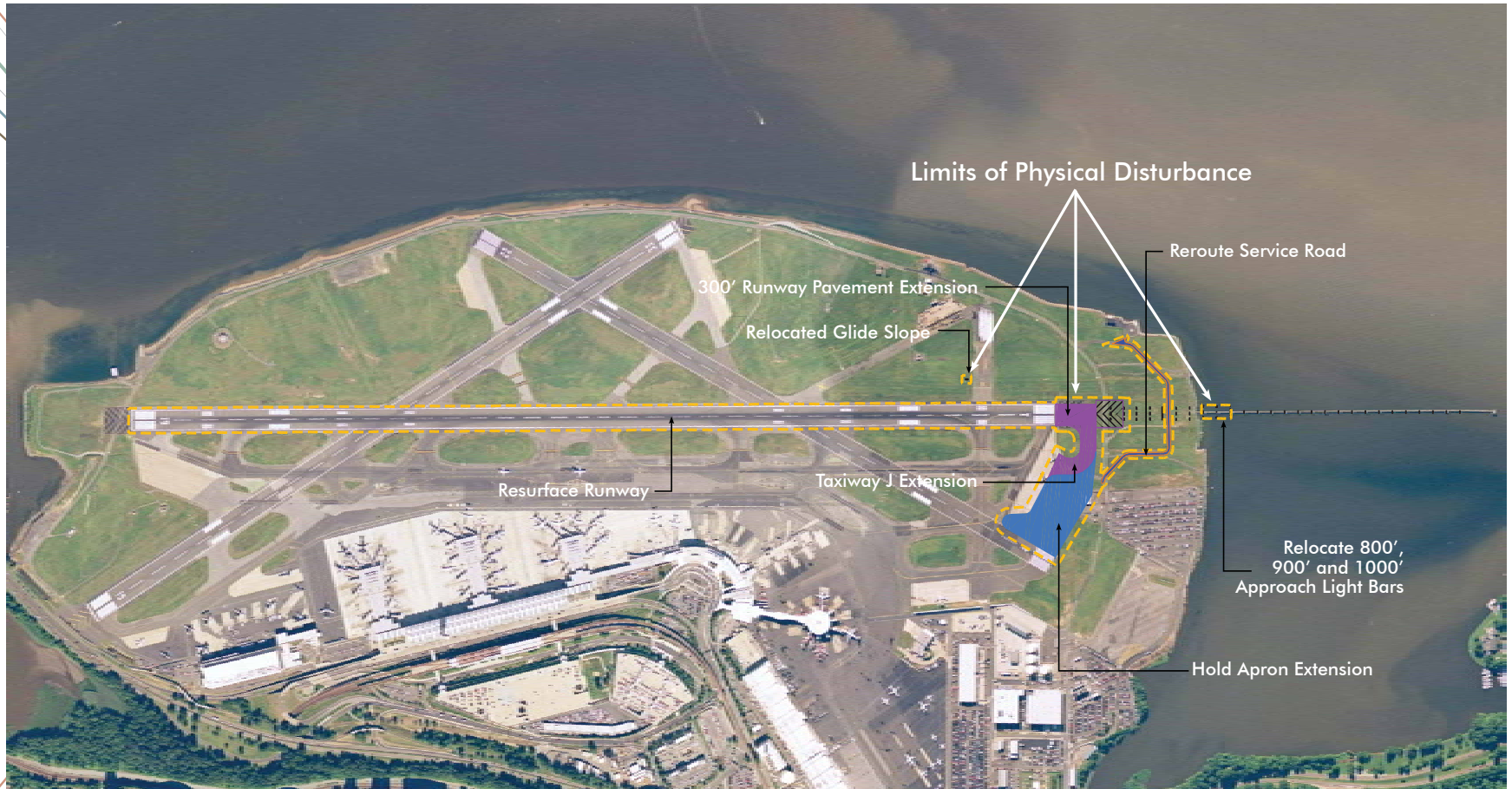


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- Air Quality
- Coastal Resources
- Compatible Land Use
- Construction Impacts
- DOT Act: Section 4(f)
- Farmlands
- Fish, Wildlife, and Plants (Listed threatened or endangered species or critical habitat)
- Floodplains
- Hazardous Materials, Pollution Prevention, and Solid Waste
- Historical, Architectural, Archeological, and Cultural Resources
- Light Emissions and Visual Impacts
- Natural Resources and Energy Supply
- Noise
- Secondary (Induced) Impacts
- Socioeconomic Impacts, Environmental Justice, and Children's Environmental Health and Safety Risks
- Water Quality
- Wetlands
- Wild and Scenic Rivers

Limits of Physical Disturbance (LPD)

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Environmental Impact Categories

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Within the Limits of Physical Disturbance



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Note: The existence and extent of floodplains and wetlands in the vicinity of the Limits of Physical Disturbance are being determined.

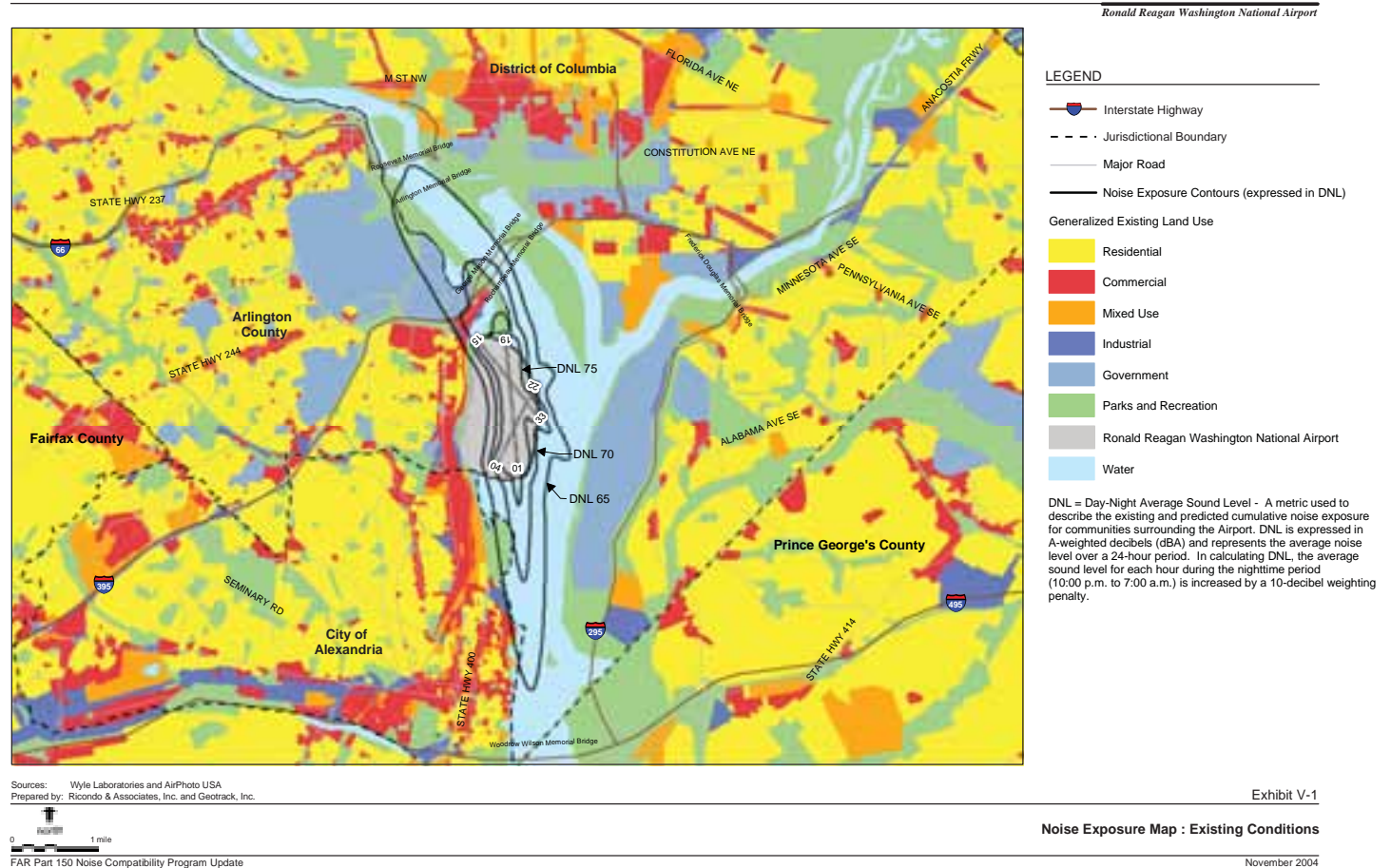
Legend

- ==== Limits of Physical Disturbance
- Approximate Coastal Zone Resource Protection Area
- - - - - Hazardous Materials – South Investigation Site

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Drop comment forms in box at the Workshop

Mail comments for delivery by 5:00 PM Eastern Time,
August 15, 2008 to:

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Email comments by 5:00 PM Eastern Time, August 15, 2008 to:
environmental.comments@mwaac.com



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