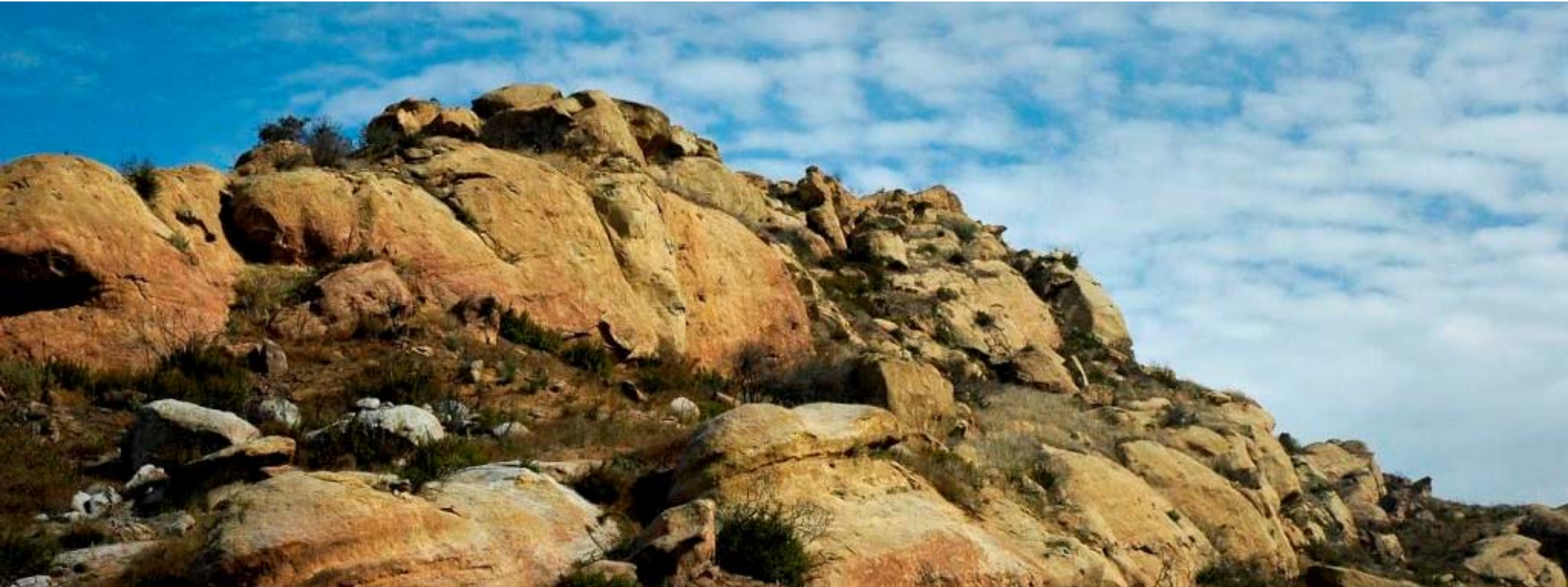




Build a Better Planet



# Surficial Media Operable Unit Characterization Status

**The Boeing Company**  
**Santa Susana Field Laboratory**

# Key Messages

## ■ Recent progress includes:

- Characterization of surficial media has been completed in Boeing RFI Subareas 5/9 South, 5/9 North, 1A Central, 1B Southeast, and 10
- Additional field work in Boeing RFI Subareas 1A North, 1A South, 1B North, and 1B Southwest

## ■ What did we find?

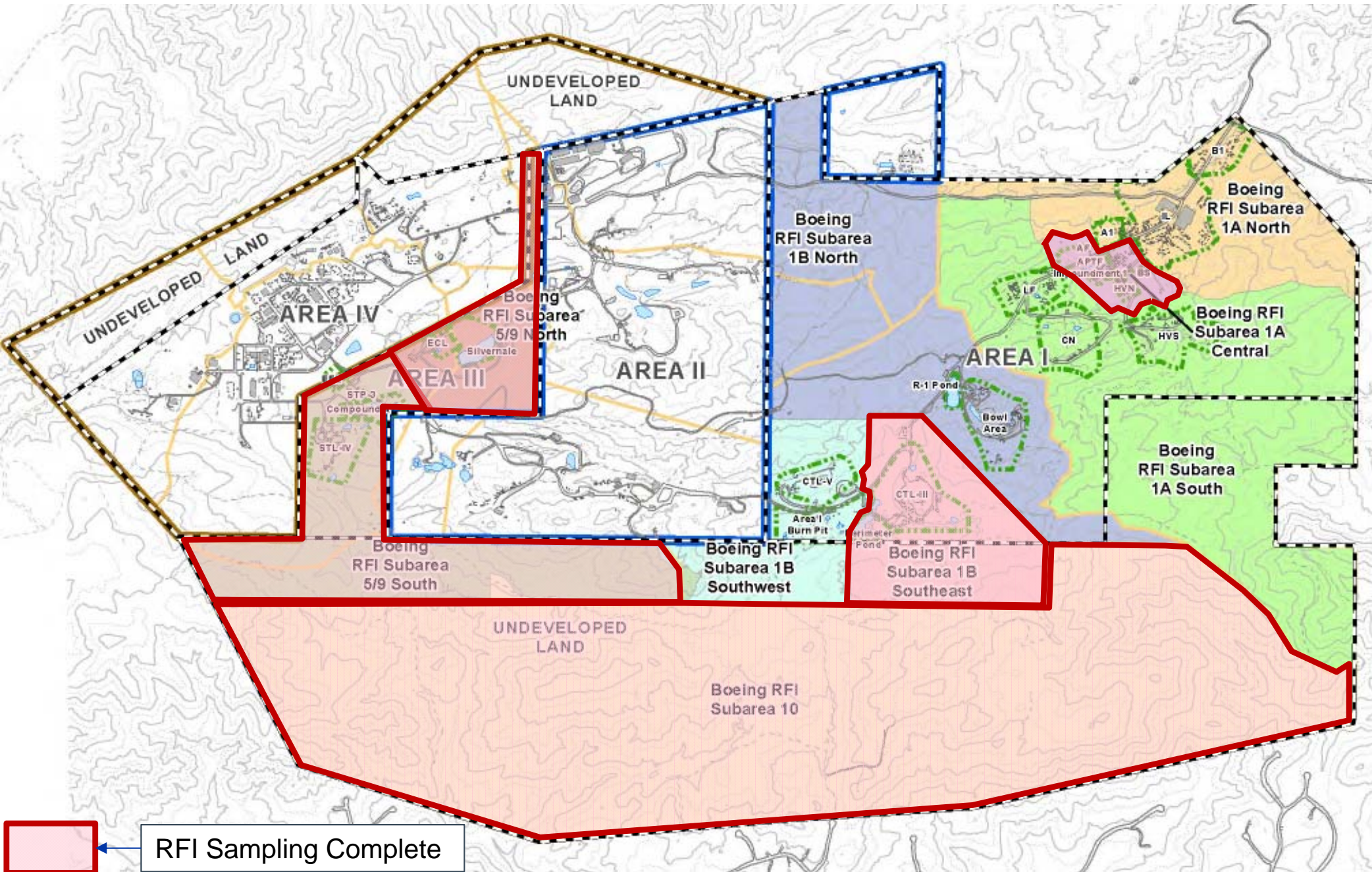
- Data gaps were identified, and were addressed through additional sampling

## ■ What are the next steps?

- Risk assessments in Boeing RFI Subareas 5/9 South, 5/9 North, 1A Central, 1B Southeast, and 10
- Evaluate data at Boeing RFI Subareas 1A North, 1A South, 1B North, and 1B Southwest to determine if data gaps remain following the data quality objective process; collect additional samples if needed



# SMOU Characterization Status



# SMOU Characterization Schedule

## *Upcoming Work for Boeing RFI Subareas*

<b>Time Period</b>	<b>Activity</b>
March 2015	Subarea 1B Southwest: Field investigation to implement 3 <sup>rd</sup> Iteration Sampling
March 2015	Subarea 1A North: Field investigation to implement 3 <sup>rd</sup> Iteration Sampling
March 2015	Subarea 1A South: Field investigation to implement 3 <sup>rd</sup> Iteration Sampling

**DQO evaluation and data collection efforts continue in an iterative fashion until all data gaps have been addressed**



# SMOU Characterization Status

● = Samples Collected prior to 2012

● = Samples Collected in 2013

● = Samples Collected in 2014

## 2012 – Characterization Status Reflected in 2008/2009 Draft RFI Reports

- Approximately 10,000 samples were collected prior to 2012

## 2013 – 1<sup>st</sup> Round of DQO Sampling

- Based on information review, 800 new features or chemicals to address
- Approximately 12,000 total samples were collected through 2013

## 2014 – Additional Rounds of DQO Sampling (ongoing in 2015)

- Based on agency comments, 300 new features or chemicals to address
- Approximately 16,000 samples were collected through 1<sup>st</sup> Iteration
- Approximately 1,000 additional samples collected in 2<sup>nd</sup> through 4<sup>th</sup> iterations

# SMOU Characterization Status

<b>Boeing RFI Subarea</b>	<b>1<sup>st</sup> Iteration Field Work Status</b>	<b>2<sup>nd</sup> Iteration Work Plan Status</b>	<b>2<sup>nd</sup> Iteration Field Work Status</b>	<b>2<sup>nd</sup> Iteration Data Evaluation Status</b>	<b>Final Iteration Field Work Status</b>
<b>5/9 South</b>	Complete – August 2013	Approved	Complete – May 2014	Complete	Complete – August 2014
<b>1A North</b>	Complete – Sept. 2013	Approved	Complete – Feb. 2015	Underway	
<b>5/9 North</b>	Complete – Sept. 2013	Approved	Complete – July 2014	Complete	Complete – Jan. 2015
<b>10</b>	Complete – Oct. 2013	Approved	Complete – Sept. 2014	Complete	--
<b>1A Central</b>	Complete – Dec. 2013	Approved	Complete – July 2014	Complete	Complete – Oct. 2014
<b>1B SE</b>	Complete – Jan. 2014	Approved	Complete – Oct. 2014	Complete	Complete – Dec. 2014
<b>1B North</b>	Complete – Jan. 2014	Approved	Complete – Oct. 2014	Underway	
<b>1A South</b>	Complete – July 2014	Approved	Complete – Feb. 2015	Underway	
<b>1B SW</b>	Complete – Jan. 2014	Approved	Complete – Feb. 2015	Underway	

# SMOU Characterization Samples Collected To Date (Soil/Soil Vapor)

<b>Boeing RFI Subarea</b>	<b>Total # of Previous Samples Collected (Soil/Soil Vapor)</b>	<b>Total # of 1<sup>st</sup> Iteration Samples Collected (Soil/Soil Vapor)</b>	<b>Total # of 2<sup>nd</sup> Iteration Samples (Soil/Soil Vapor)</b>
<b>5/9 South</b>	512/142	683/84	224/17*
<b>1A North</b>	2247/471	1211/178	290/19
<b>5/9 North</b>	241/73	164/19	129/15*
<b>10</b>	161/51	117/10	151/0*
<b>1A Central</b>	1849/226	498/107	192/14*
<b>1B North</b>	229/62	402/32	159/4*
<b>1B Southeast</b>	461/196	427/46	103/18*
<b>1A South</b>	2402/202	1016/36	296/7
<b>1B Southwest</b>	1243/150	522/16	88/9
<b>Totals</b>	9345/1573	5040/528	1632/103

*\*Number of 2<sup>nd</sup> Iteration samples collected, including additional step-out samples as approved by DTSC.*



Thank you