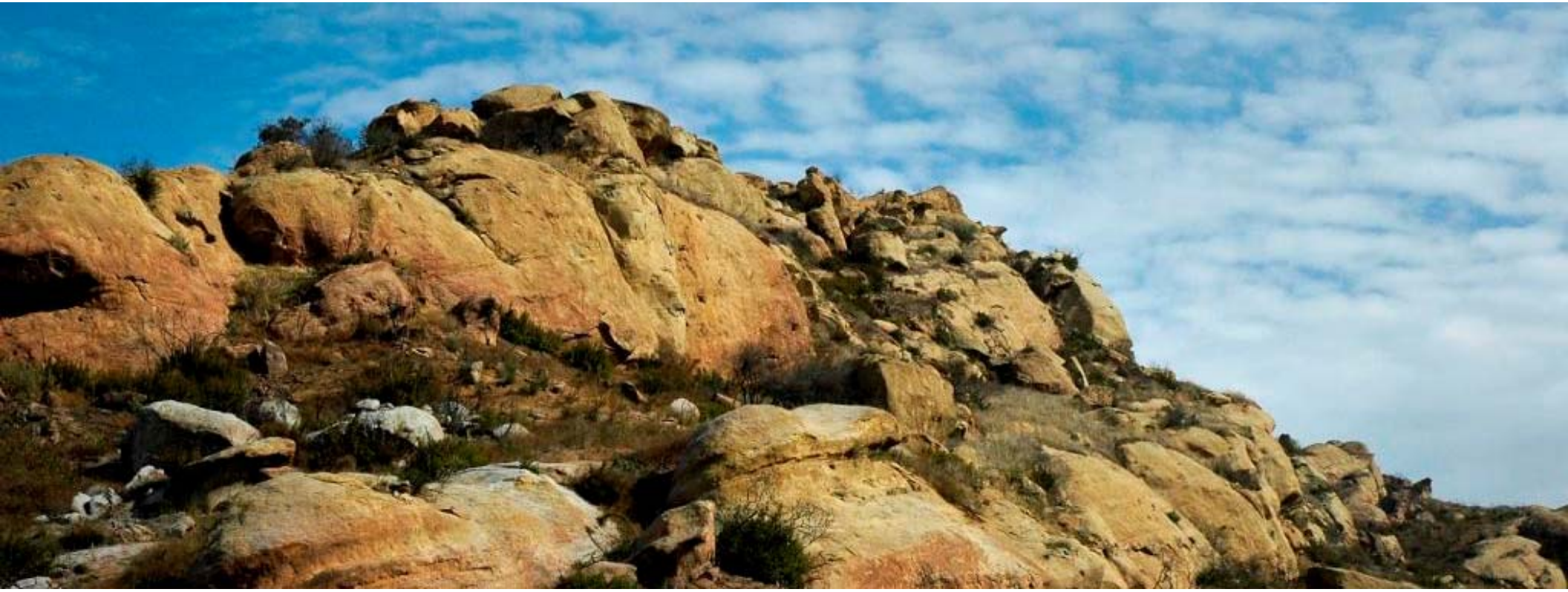
Build a Better Planet



Surficial Media Operable Unit Characterization Status

The Boeing Company
Santa Susana Field Laboratory

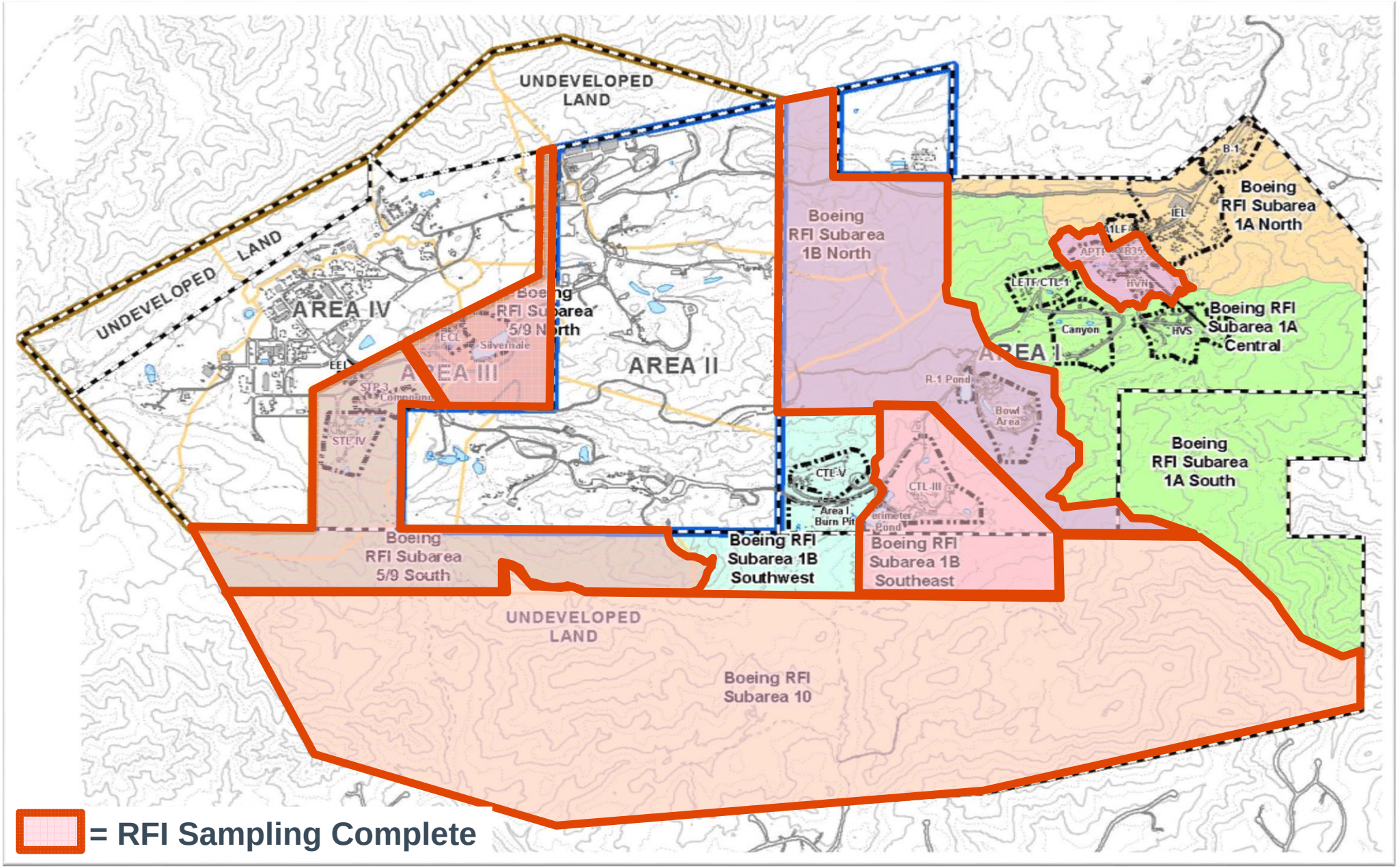
Key Messages

- Recent progress includes:
  - Completed additional field work in Boeing RFI Subareas 1A North, 1A South, 1B North, and 1B Southwest
  - Performed human health and ecological risk assessments for Boeing RFI Subarea 5/9 South

- What did we find?
  - Data gaps were addressed during recent field work and characterization is complete for Boeing RFI Subarea 1B North

- What are the next steps?
  - Evaluate data for Boeing RFI Subareas 1A North, 1A South, and 1B Southwest to determine if data gaps remain following the data quality objective process; collect additional samples if needed
  - Perform risk assessments for Boeing RFI Subareas 5/9 North, 1A Central, 1B Southeast, 1B North, and 10

SMOU Characterization Status



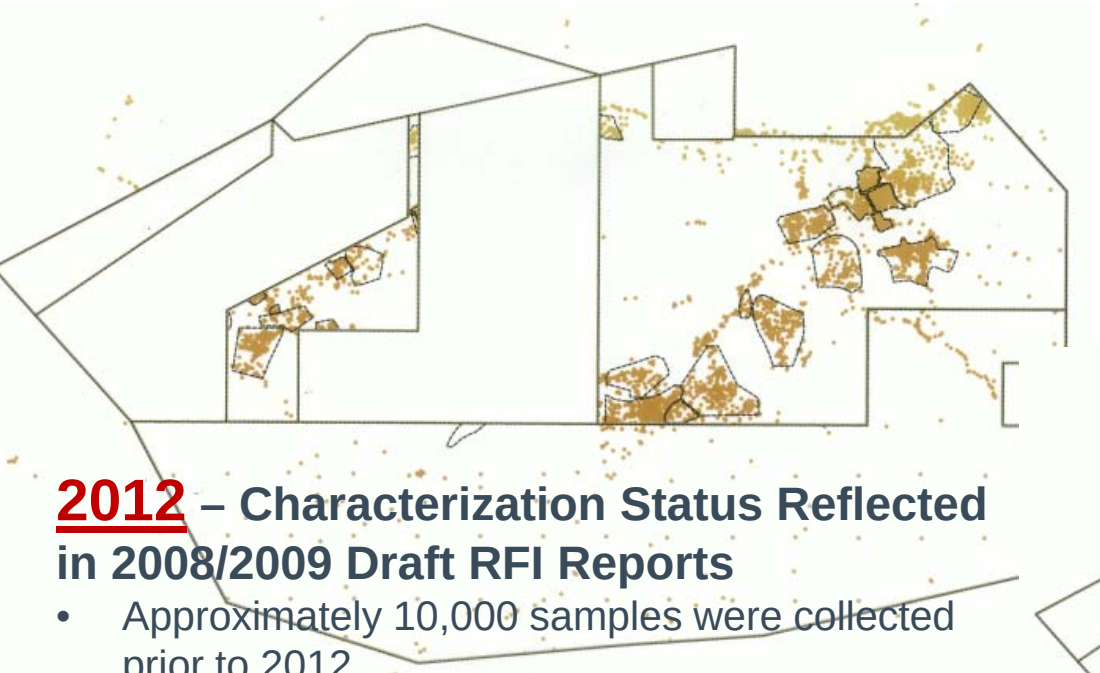
SMOU Characterization Schedule

Upcoming Work for Boeing RFI Subareas

Time Period	Activity
Spring / Summer 2015	Subareas 1A South and 1B Southwest: DTSC determines if characterization is complete
Summer 2015	Subarea 1A North: Field investigation to implement 3rd Iteration sampling

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

SMOU Characterization Status



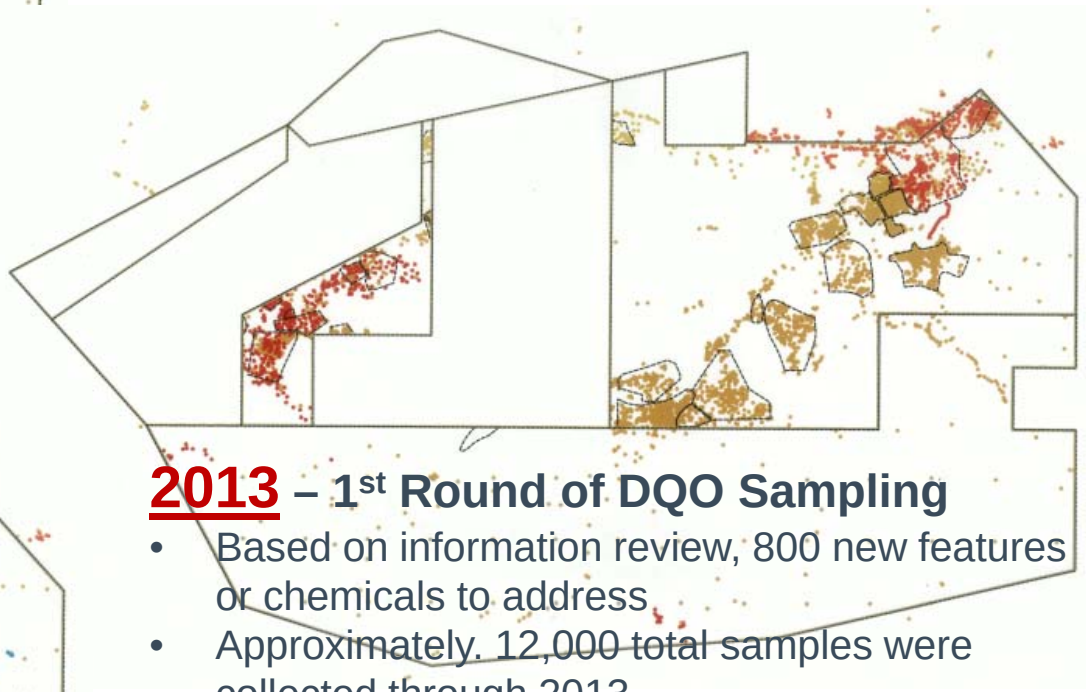
= Samples Collected prior to 2012

= Samples Collected in 2013

= Samples Collected in 2014

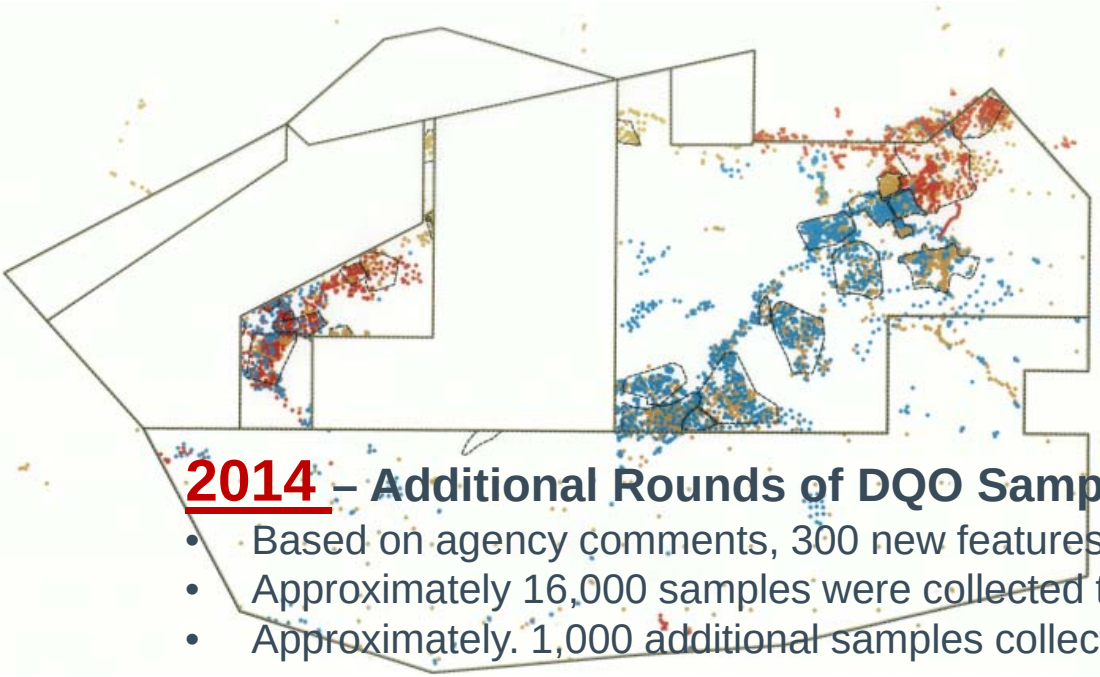
2012 – Characterization Status Reflected in 2008/2009 Draft RFI Reports

- Approximately 10,000 samples were collected prior to 2012



2013 – 1st 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 1st Iteration
- Approximately. 1,000 additional samples collected in 2nd through 4th iterations

SMOU Characterization Status

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

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

Boeing RFI Subarea	Total # of Previous Samples Collected (Soil/Soil Vapor)	Total # of 1st Iteration Samples Collected (Soil/Soil Vapor)	Total # of 2nd Iteration Samples Collected (Soil/Soil Vapor)
5/9 South	512/142	683/84	334/13*
1A North	2,247/471	1,211/178	284/20
5/9 North	241/73	164/19	129/12*
10	161/51	117/10	151/0*
1A Central	1,849/226	498/107	192/14*
1B North	229/62	402/32	175/3*
1B Southeast	461/196	427/46	103/15*
1A South	2,402/202	1,016/36	420/12*
1B Southwest	1,243/150	522/16	131/9*
Totals	9,345/1,573	5,040/528	1,919/98

**Number of 2nd Iteration samples collected, including additional step-out samples as approved by DTSC.*

Thank you