

DOE/DTSC Cleanup Activities

Community Update Meeting
for Santa Susana Field Laboratory

November 13, 2014



Department of Toxic Substances Control

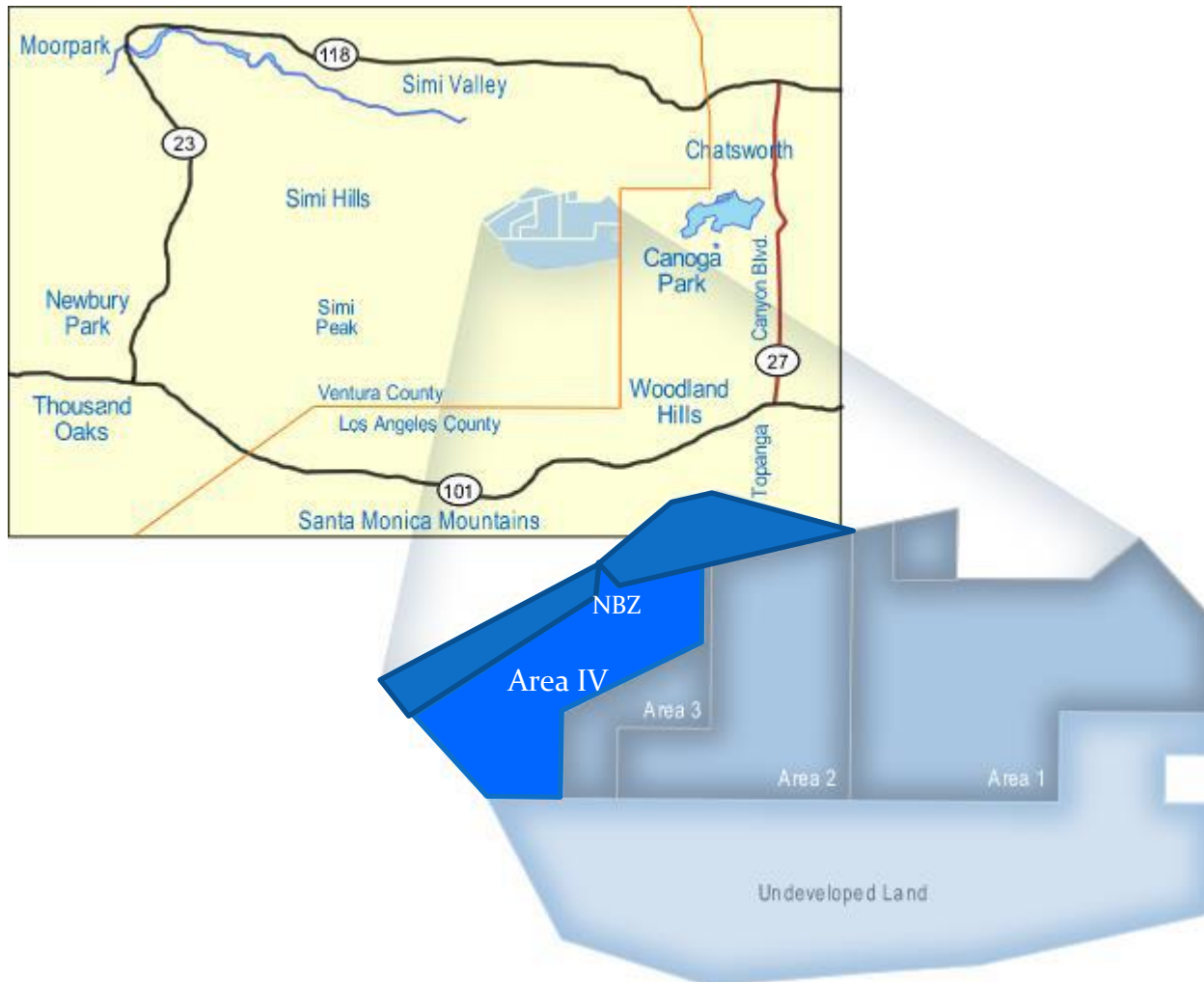
DOE/DTSC Update

Tonight we'll discuss...

- Progress made – work completed
- Upcoming work - next 6 months

Questions are welcome at any time

Santa Susana Field Laboratory – Area IV and Northern Buffer Zone



Current Status

- Completed soils characterization
- Groundwater characterization ongoing
- Soils treatability studies ongoing
- Remedial planning ongoing
- CEQA work in progress

Investigation Progress To Date

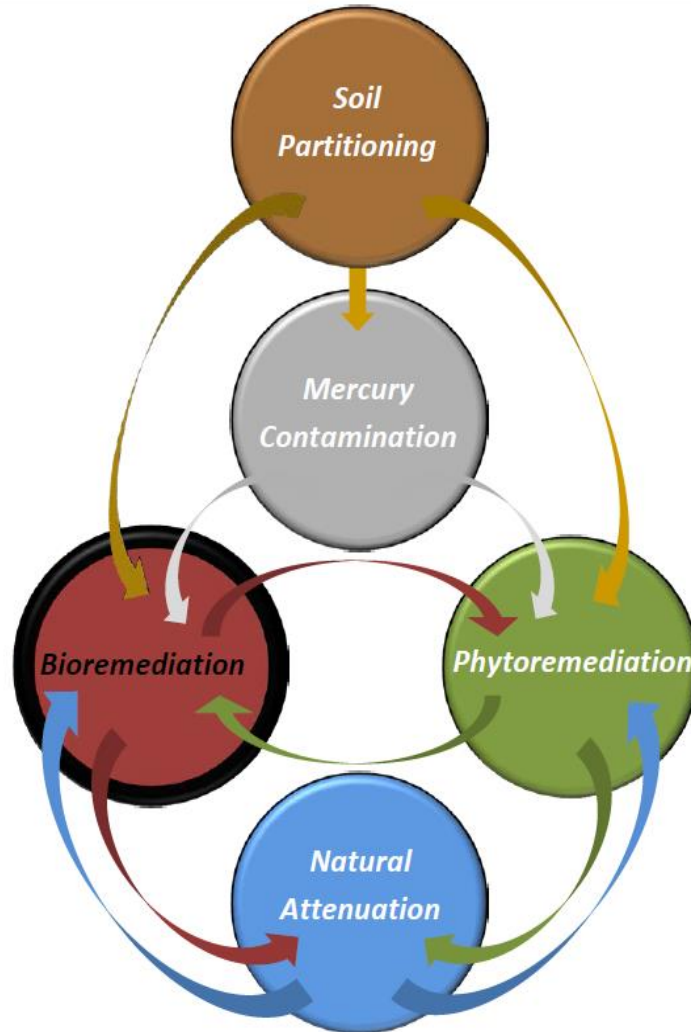
- Soils characterization completed
 - 3,600+ radionuclide samples
 - 6,500+ chemical samples
 - 100+ soil vapor samples
 - Results used for remedial planning
- Groundwater data gap sampling completed
 - DOE wells in Area IV and Northern Buffer Zone

Soil Treatability Studies Progress

Five Studies - initial phases completed, literature and data review in progress.

1. Phytoremediation of Soil Contaminants
2. Natural Attenuation of Soil Contaminants
3. Partitioning of Soil Contaminants
4. Bioremediation of Soil Contaminants
5. Mercury in Soil Contaminants

Soil Treatability Studies - Ongoing



DOE/DTSC Technical Documents

Documents related to chemical co-located sampling, soil treatability studies, and EPA characterization can be found at:

- DTSC web site:

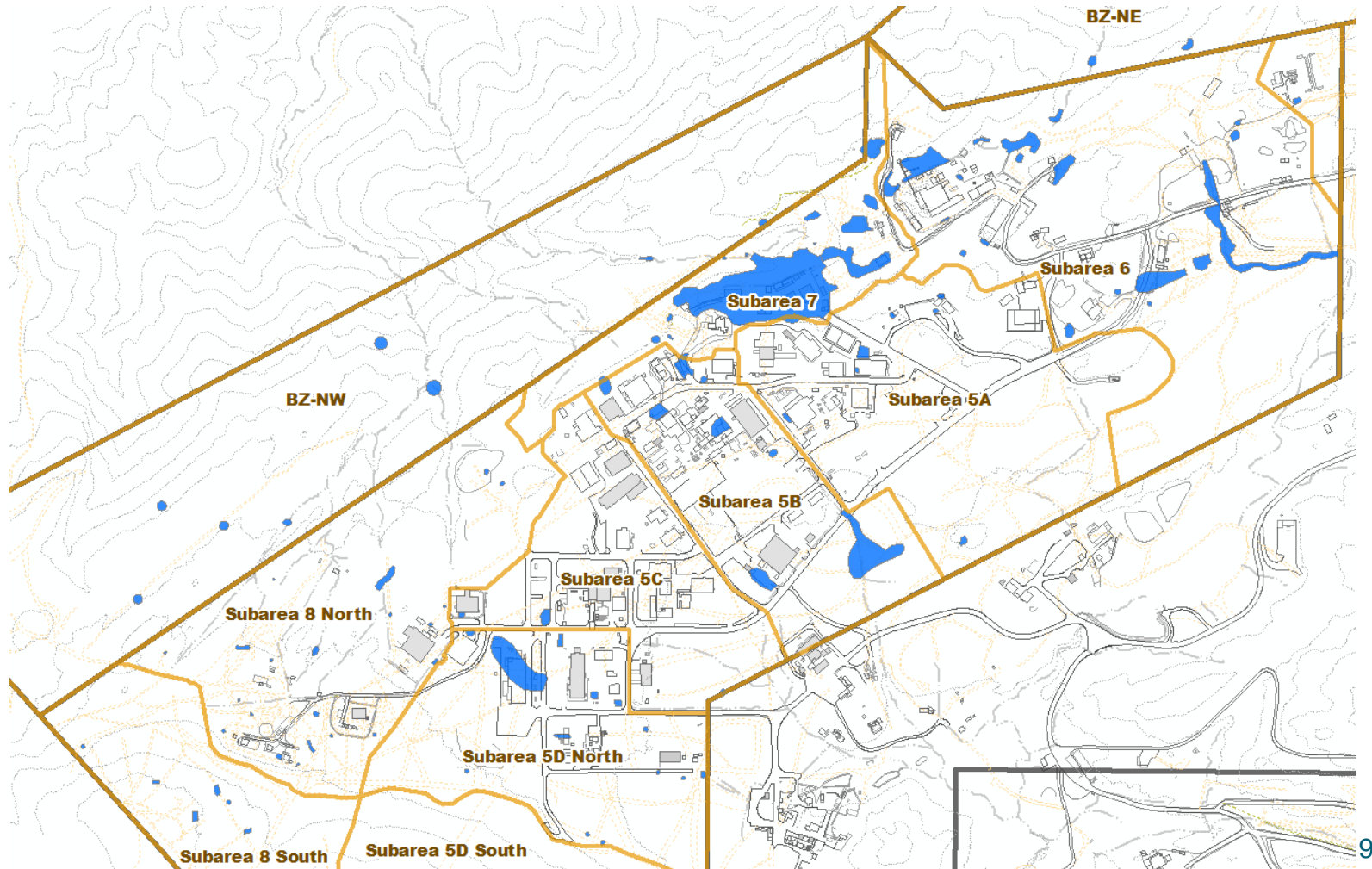
http://www.dtsc.ca.gov/SiteCleanup/Santa_Susana_Field_Lab/ssfl_document_library.cfm

-Go to “DOE Area IV”, then select topic of interest

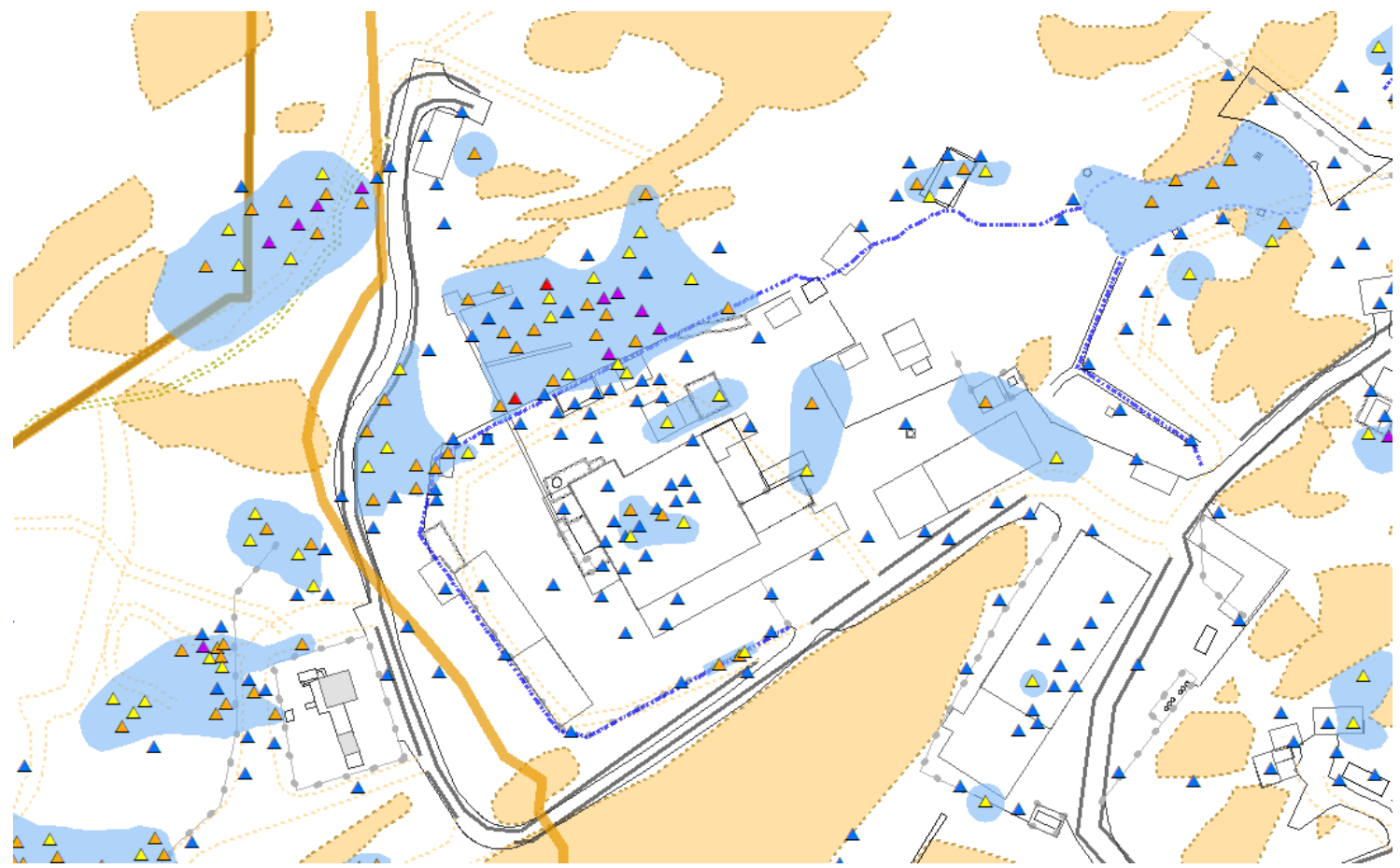
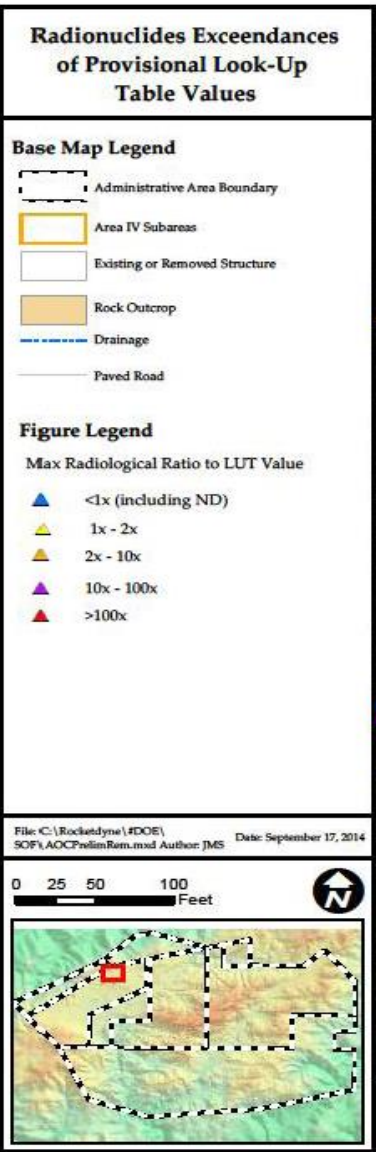
- DOE web site:

http://www.etec.energy.gov/Char_Cleanup/Soil.html

Preliminary Radiological Areas



Range of Radionuclide Exceedances of Provisional Look up Table Values – SRE Area



Preliminary Remediation Areas- Chemicals

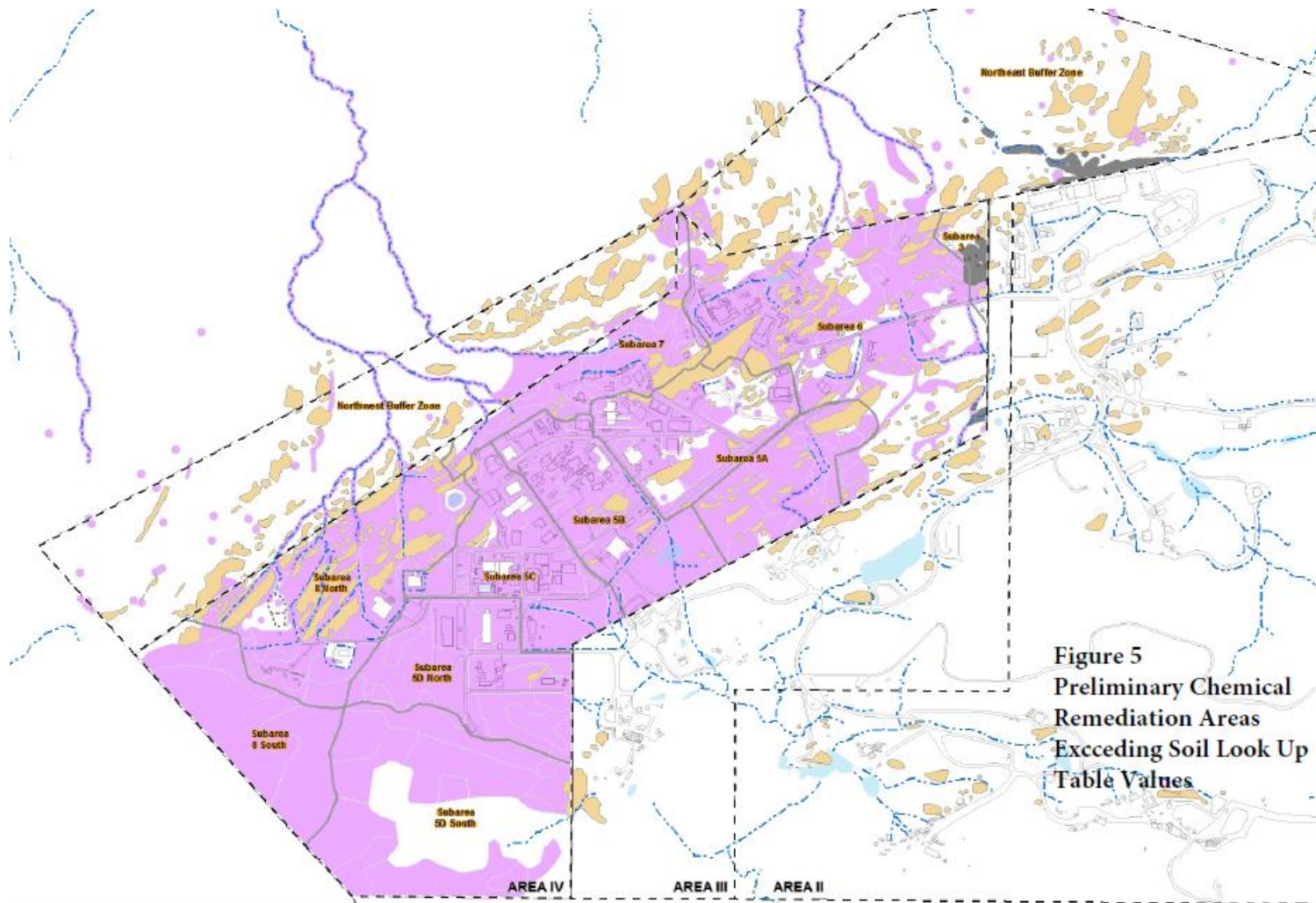


Figure 5
Preliminary Chemical
Remediation Areas
Exceeding Soil Look Up
Table Values