

*Welcome to*

# GROUNDWATER

Building an understanding of groundwater at  
Santa Susana Field Laboratory



**Sponsored by:  
The Boeing Company, DOE, and NASA in  
cooperation with the California Department of  
Toxic Substances Control (DTSC)**



# Groundwater U: Why Now?

- DOE, NASA, and Boeing submitted a highly technical site-wide Groundwater Investigation Report to DTSC
- DTSC will invite public review and comment on the Groundwater Investigation Report
- The series of education sessions was designed to help you prepare to review the Groundwater Investigation Report

# Groundwater U: The Plan

- Six sessions and a geology field trip
- All presentations will begin at 6:30 p.m.
- It's not too late to register:  
<http://groundwateru1.eventbrite.com>
- Informational materials provided for registered participants
- Geology field trip will be on Saturday, April 30 – following the 4<sup>th</sup> presentation

# Two Sets of Sessions

## Introductory Sessions

1. Geology/  
Hydrogeology
2. Contaminant Fate and  
Transport
3. Remedial Alternatives

## SSFL-Specific Sessions

4. Groundwater Flow at SSFL
5. Contaminant Sources at  
SSFL
6. Contaminant Fate and  
Transport at SSFL

# Dates and Locations

## **Introductory Sessions**

Grand Vista Hotel  
999 Enchanted Way  
Simi Valley, CA

1. Tuesday, March 8<sup>th</sup>
2. Tuesday, March 15<sup>th</sup>
3. Tuesday, April 5<sup>th</sup>

## **SSFL-Specific Sessions**

Corporate Point West Hills  
Auditorium  
8413 Fallbrook Avenue  
West Hills, CA

4. Thursday, April 28<sup>th</sup>
5. Thursday, May 5<sup>th</sup>
6. Thursday, May 19<sup>th</sup>



# Introductory Sessions

- **Geology/Hydrogeology**, Dr. Richard Laton, Associate Professor of Hydrogeology, Department of Geological Sciences, California State University, Fullerton
- **Contaminant Fate and Transport**, Dr. Matthew Becker, Professor and Conrey Endowed Chair of Hydrogeology, Department of Geological Sciences, California State University, Long Beach
- **Groundwater Remediation Approaches**, Dr. Matthew Becker

# SSFL-Specific Sessions

Presenters - the SSFL Groundwater Advisory Panel:

- Dr. John Cherry, Distinguished Professor Emeritus, University of Waterloo, and Adjunct Professor, University of Guelph
- Dr. David McWhorter, Distinguished Professor Emeritus, Department of Chemical & Agricultural Engineering, Colorado State University
- Dr. Beth Parker, Professor, School of Engineering, University of Guelph, and Industrial Research Chair in Fractured Rock Contamination Hydrology for the Natural Sciences and Engineering Research Council of Canada

# What's in your notebook?

- In the front, a copy of this presentation
- Tabs for each session – we will give you copies of each presentation as you arrive for future sessions for you to slip into the notebook
- Presentation handouts will be posted on DOE's ETEC website at: <http://www.etc.energy.gov/>
- In the back: a glossary of terms, a list of acronyms, additional background information, and a section with brief biographies for each of our presenters

# Tonight's Presentation

- Topic: **Geology/Hydrogeology**
- Presenter: **Dr. Richard Laton, Cal State Fullerton**
- Agenda:
  - 6:30 – 6:40** **Welcome and Introductions, Wendy Lowe & Tom Seckington**
  - 6:40 – 7:30** **Presentation, Dr. Laton**
  - 7:30 – 8:00** **Demonstration, Dr. Laton**
  - 8:00 – 8:30** **Questions and Answers, All**

# Proposed Ground Rules

- Limit distractions (silence cell phones, leave the room for conversations)
- Allow the presenters to provide as much information as possible by holding questions until the end
- Ask questions that are relevant to the topic being discussed this evening
- Use the microphone to ask questions so that others will be able to hear you
- Save comments on the Groundwater Report until the DTSC's public comment period



# Questions...

*What questions do you have  
about geology and  
hydrogeology?*

# Questions...

*If you think of questions later about the information presented today, feel free to contact:*

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