METH LAB TRENDS

in

WASHINGTON STATE

2016

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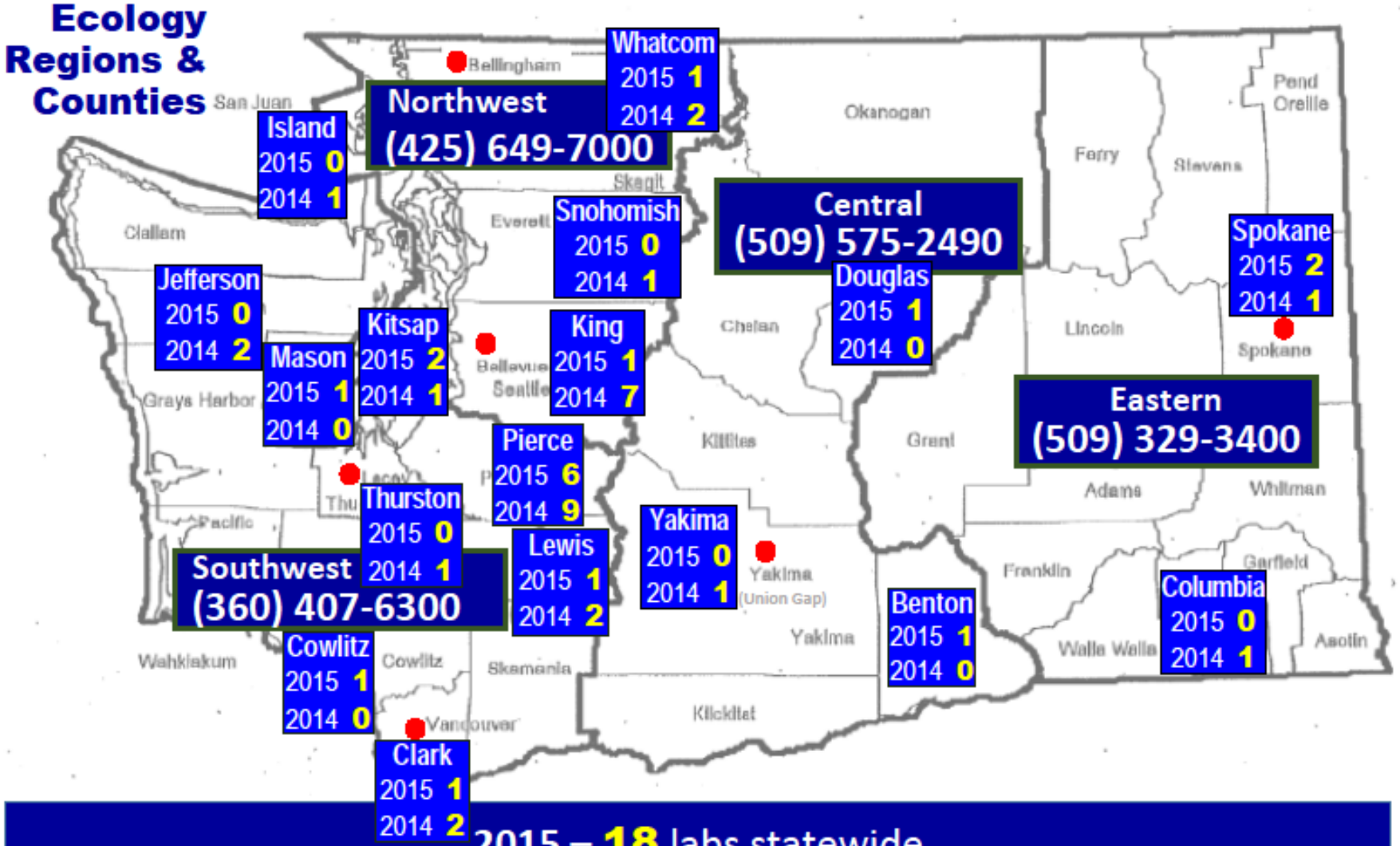
Southwest Region Spill Response

Washington State Department of Ecology

- **One Pot** or **Shake and Bake** method - finding statewide
- **Medium** to **large** labs (rare)
- **Mexican national** labs - found primarily in Central Washington

METH TRENDS from WASHINGTON STATE PATROL

Ecology Regions & Counties



2015 – **18** labs statewide

2014 – **31** labs statewide

2010 was the last time Ecology responded to **>100** labs statewide.

- **Nazi method**

  One-Pot or **Shake and Bake** – for smaller or personal use, statewide

- **Red phosphorous**

METHODS for MANUFACTURING METH

- **Ephedrine** or **pseudoephedrine** - mainly from cold tablets
- **Solvents** - acetone, toluene

EPHEDRINE EXTRACTION

Nasal Decongestant Antihistamine
Acta-Tabs
Nasal Decongestant Antihistamine
Acta-Tabs
Nasal Decongestant Antihistamine
Acta-Tabs
COLD & ALLERGY
COLD & ALLERGY
WESTERN FAMILY
HISTA TABS
WESTERN FAMILY
HISTA TABS
LOSE WEIGHT FAST

GLACIER WATER
GLACIER WATER
GLACIER WATER

JUL 26 2006

- **Ephedrine**
- **Solvents** - acetone, xylene, toluene, etc.
- **Acids** - sulfuric acid, hydrochloric acid
- **Bases** - sodium hydroxide (lye)
- **Metals** - lithium, sodium (rare)
- **Gases** - anhydrous ammonia, hydrogen chloride, ammonia gas from generators

NAZI METHOD

WASHINGTON STATE
DEPARTMENT OF
ECOLOGY
SPILL RESPONSE TEAM
Toluene
Acetone

- Ephedrine
- Red phosphorus
- Iodine
- Solvents - lighter fluid, etc.
- Sodium hydroxide
- Hydrochloric acid

RED PHOSPHORUS METHOD

Red 2.
5 3:09 PM

2007 5 1

- **Red phosphorus**

  Fire - ignites by heat or friction; reaction can change **red p** to **white p**

- **White phosphorus**

  Fire - ignites in air

  Poisonous gas - phosphine formed by strong base or hot water on **white p**

IODINE A.C.S. REAGENT
HARMFUL
STOW AWAY
FROM
FOODSTUFFS
6
LLC

ONE POT OR
SHAKE AND BAKE METHOD

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- **Acids** - sulfuric acid, hydrochloric acid
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NAZI METHOD

- **Flammable liquids** - solvents, ether, etc.
- **pH 14** and **solvent mixtures**
- **pH 0** and **solvent mixtures**
- **Sodium hydroxide**
- **Acids** - hydrochloric, sulfuric, hydriodic
- **Hydrogen chloride gas generators** - plastic bottles, plastic gas can (rock salt/sulfuric acid)
- **Anhydrous ammonia** in **high-pressure containers** - propane tanks, oxygen tanks
- **Ammonia gas generators** - plastic bottles, most often in plastic gas cans

HAZARDOUS WASTE AT METH LABS

Parker
pH 14?
OCT 11 2002

APR 10 2002

- **Contain**

  anhydrous ammonia,
  hydrogen chloride gas generators,
  ammonia gas generators

PRESSURIZED TANKS

- **Anhydrous Ammonia (NH_3) -** toxic inhalation hazard

FEB 26 2002

FEB 26 2002

MAY 8 2002

- **HCl Generators** - corrosive solids and toxic gas, rock salt/sulfuric acid

- **Ammonia generators** - corrosive solids, ammonium sulfate, sodium hydroxide, water

Crackdown on ammonia thefts has led to . . .

"Make your own"

WE DON'T WANT TO
SEE ANY OF YOU
TWEEKERS
No checks
Allowed
Beyond
This Point
PAST 9 P.M. OR Before Noon
No Exception's
At All Go home
Thank
Shane
and
Family