

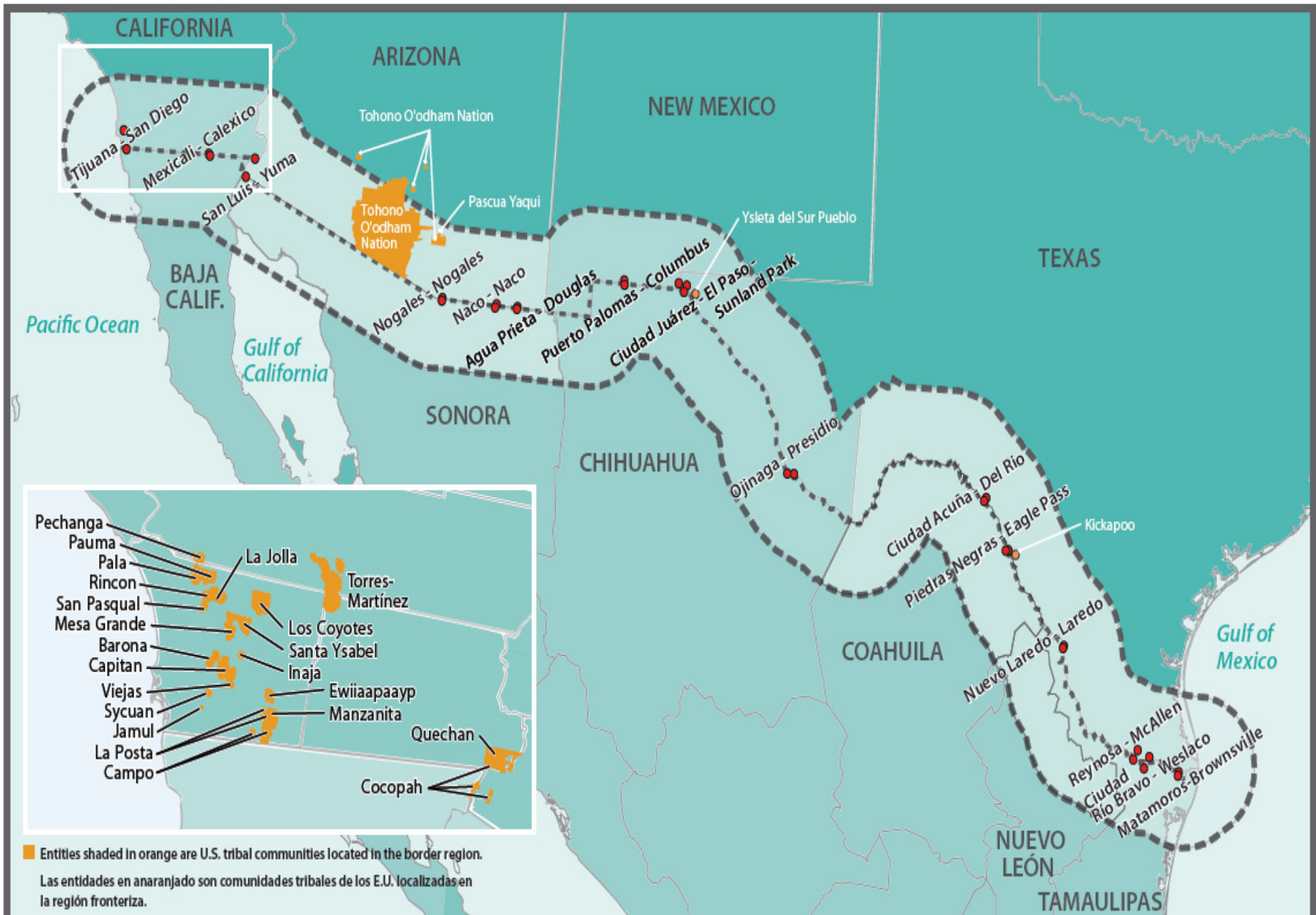


Border 2020: U.S.-Mexico Environmental Program

**Jeff Scott
Director, Land Division
U.S. Environmental Protection Agency Region 9**

**Protecting Children's Environmental Health
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U.S.-Mexico Border Region – Región Fronteriza México-Estados Unidos





Border 2020

BORDER 2020: U.S.-MEXICO ENVIRONMENTAL PROGRAM



- Agreement between EPA, SEMARNAT, 10 States, 26 U.S. Tribes
- Five Goals and Six Fundamental Strategies
- Collaboration and Partnership
 - Regional Workgroups and Task Forces
 - Communications and Indicators Committees
- 2-Year Action Plans: account for shifts in resources / priorities



Border 2020 Goals

GOAL 1

Reduce Air Pollution



GOAL 2

Improve Access to Clean and Safe Water



GOAL 3

Promote Materials Management and Clean Sites



GOAL 4

Enhance Joint Preparedness for Environmental Response



GOAL 5

Enhance Compliance Assurance and Environmental Stewardship





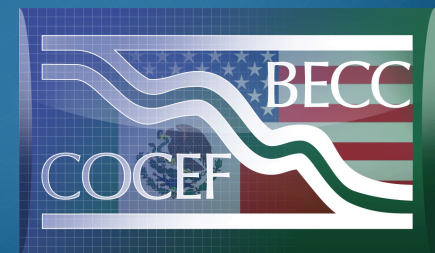
Border 2020 Fundamental Strategies

- Working to Improve Children's Health
- Promoting Environmental Health
- Protecting Disadvantaged and Underserved Communities
- Promoting Environmental Awareness
- Building Capacity towards Climate Change Resiliency
- Strengthening Tribal, State, Federal, and International Communications and Partnership



Partnership with BECC

- Partnership with the Border Environment Cooperation Commission (BECC)
 - Binational organization created by U.S. and Mexico
 - Certifies and finances environmental infrastructure projects in the border region
 - Works closely with communities on both sides of border region
 - Since 2005 has helped EPA meet goals and objectives of Border Program, e.g., by helping to administer funds and manage grants
 - Have implemented close to 120 projects in CA/Baja CA and AZ/SON Regions





Notable Accomplishments

- EPA investment of \$680 Million has eliminated over 350 million gallons per day of untreated sewage entering binational rivers
 - Benefited 8.8 M border residents through improvement projects
- Removed more than 20M scrap tires from clandestine dump sites borderwide
- Created and updating 15 Sister City emergency contingency plans (two are tri-national) and conducted over 130 binational emergency preparedness training events and exercises





Notable Accomplishments

(cont.)

- Removed over 2,200 tons of trash from entering the Tijuana and New Rivers and piloted demonstration projects to repurpose trash
- Collected 73 tons of unused and/or obsolete pesticides from rural areas in Arizona/Sonora and California/Baja California.
- Developed Initial Climate Change Action Plans for Baja CA & Sonora
- Developed Toxics Release Inventory of top emitters of reported toxic pollutants





Recent Environmental Health Accomplishments in Border Region in CA and AZ

- Renewed Collaborative Agreement with Border Health Commission. Past successes included
 - Establishment of a PEHSU along the border
 - Series of 10 promotor workshops in 8 cities border-wide
- Healthy Homes Healthy Breathing Project
 - 97 families reached so far
- Assessment of Border Environmental Health along CA-BC Region
 - Asthma ED visits 50% higher in Imperial County compared to rest of CA
 - Heat-related ED visits 5-7 times higher in Imperial County compared to rest of CA





Environmental Challenges Remain

- All Binational Airsheds exceed health-based air quality standards
- All Binational Rivers remain impaired by pollution
- Growing population (18.6 M by 2020)
 - Insufficient and aging drinking water & sanitation infrastructure
 - Inadequate management of solid and haz waste
- Climate Change





Environmental Challenges Affect Human Health



Asthma Attacks



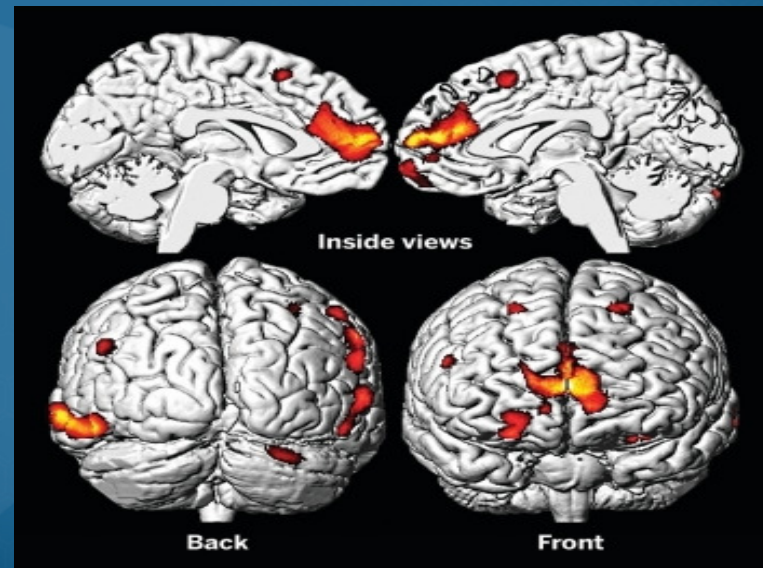
Heat Exhaustion/Stroke



Poisoning from Toxics



Acute: Emergency Room Visits



Chronic: Impaired Brain Development



Important Border 2020 Updates

- 5 projects in California-Baja California totaling \$361K and 7 projects in Arizona-Sonora totaling \$305K leveraging an additional 330K. Projects include (among others):
 - Identification of emission reduction measures and actions in Nogales, Sonora
 - Evaluation of environmental health status along the Arizona-Sonora border
 - An “ocean friendly” restaurants campaign in the Tijuana/San Diego Region
- EPA FY16 Appropriation
 - \$10 million BEIF (increase of \$5 million)



Fundamental Strategy: Improving Environmental Health

Actions over the next 2 years:

- Implement new EPA/HHS Border Health Commission Collaborative Agreement renewed in September 2015 and first signed in August 2014. Among the identified actions:
 - Develop a curriculum for the “Leaders Across Borders” leadership development program
 - Follow-up with the ~100 promotoras trained in 2015 to continue provide information on preventing chemical and pesticides exposure
 - Engage philanthropic organizations
- Increase asthma awareness in low income housing communities in Imperial County
- Evaluation of Environmental Health Status along the Arizona/Sonora Border



Border 2020 Information

- Go to www.epa.gov/border2020 for more information about the Border 2020 program.