Kickoff Meeting for Minute 320

Presentation by:
Jose A. Nuñez, Principal Engineer
Engineering Department
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The International Boundary and Water Commission, United States and Mexico, is responsible for applying the boundary and water treaties between the two countries and settling differences that arise in their application.
Trash migration from south to the north is an issue along the international boundary in the San Diego/Tijuana area.

Binational Meetings were held on April 17, 2013 and April 24, 2014.

IBWC worked on a Minute against the 1944 Water Treaty to address trash and sediment migration.
Trans-Boundary Issues

Trash and Sediment Issues

- Trash dumped on the sides of Canyons is contributing to migration from south to north via Laureles/Matadero canyons, Tijuana River Channel, Steward’s Drain
- Unprotected side slopes in Tijuana contributing to sediment transport from south to north via Los Laureles/Matadero canyons, and Tijuana River
- Soil Material dumped into water courses contributing to sediment migration

1. Trash thrown into Tijuana Canyons

2. Development adjacent to Los Laureles Canyon.

3. Soil dumped into Los Laureles Canyon
Water Quality Improvements

Enhance Binational Monitoring Program
Trans-Boundary Issues

Water Quality Improvements

Reduce Tijuana River Dry Weather Flows

Improve Pump Station CILA Operations
Trans-Boundary Issues

Sedimentation

Tijuana hillsides

Impacts in Estuary
Trans-Boundary Issues

Sedimentation

• On-going loss of saltmarsh, tidal prism
  – Winter 2005: 18 Acres lost in one storm
Trans-Boundary Issues

2. Los Laureles Canyon
Trans-Boundary Issues
Trans-Boundary Issues

2. Channel, Matadero Canyon
Trans-Boundary Issues
Trans-Boundary Issues

Points of entry for trash and sediment:

United States

Mexico
Trans-Boundary Issues
Binational Site Visits
October 1, 2014

• Both United States and Mexican Sections of the International Boundary and Water Commission with Stakeholders from both countries conducted a binational visit of areas of concern in the Tijuana River Valley

• Areas visited in Mexico were:
  1) Los Laureles Canyon
  2) Matadero Canyon
  3) El Pasteje Canyon

1. Los Laureles, Canyon

2. Channel, Matadero Canyon

3. Basin, El Pasteje/Aviacion
Binational Site Visits
October 2, 2014

Areas visited in the United States were:

1. Basin at La Media and Siempre Viva Roads

2. Tijuana River Channel

1. Goat Canyon/Smugglers Gulch

2. Tijuana River Channel

3. Goat Canyon and Smugglers Gulch
Trans-Boundary Issues, Potential Improvements

Potential Improvements Suggested by Mexican and U.S. Stakeholders on October 3, 2014

1. Install new or replace missing trash racks on Tijuana Basins
2. Construct new basin in Los Laureles Canyon at El Milenio
3. Install weirs in existing Tijuana basins to catch sediment before it enters the main channel of the canyons

1. Basin Camino Verde No. 8 – Install trash racks on Tijuana Catch Basins where missing

2. Construct a basin in El Mileno like Mega Tanque in Los Laureles main stem

3. Add weirs to Tijuana Basins to trap sediment
Trans-Boundary Issues, Potential Improvements

Other Potential Improvements Recommended by Mexican and U.S. Stakeholders

- Improve the stormwater conveyance canal in Los Laureles Canyon water course.
- Conduct improvements to reduce flow velocities in El Matadero Canyon water course by widening and flattening the flow path by possibly adding gabions in the stream.
- Test the placement of trash boom in Tijuana Catch Basins.
- Consider the placement of Drop Inlet structures at the base of Los Laureles and Matadero Canyons at the International Boundary.
- Develop the Nelson Sloan site for deposition and processing sediment from the Tijuana River, Smugglers Gulch, Matadero Canyon and Goat Canyon.
- Develop a Trash Management Plan.
- Develop Sediment Management Plan.
- Develop a Binational Monitoring and Assessment Plan.
USIBWC Headquarters

4171 N. Mesa C-100

El Paso, Texas 79902

Jose.Nunez@ibwc.gov