

# San Juan Pressures

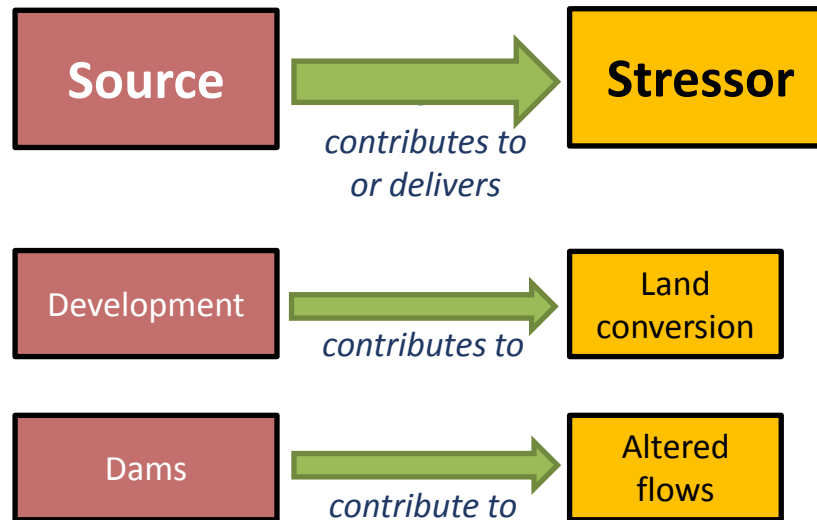
Crosswalk between LIO Pressures and  
PSPA taxonomy

Scott Williamson

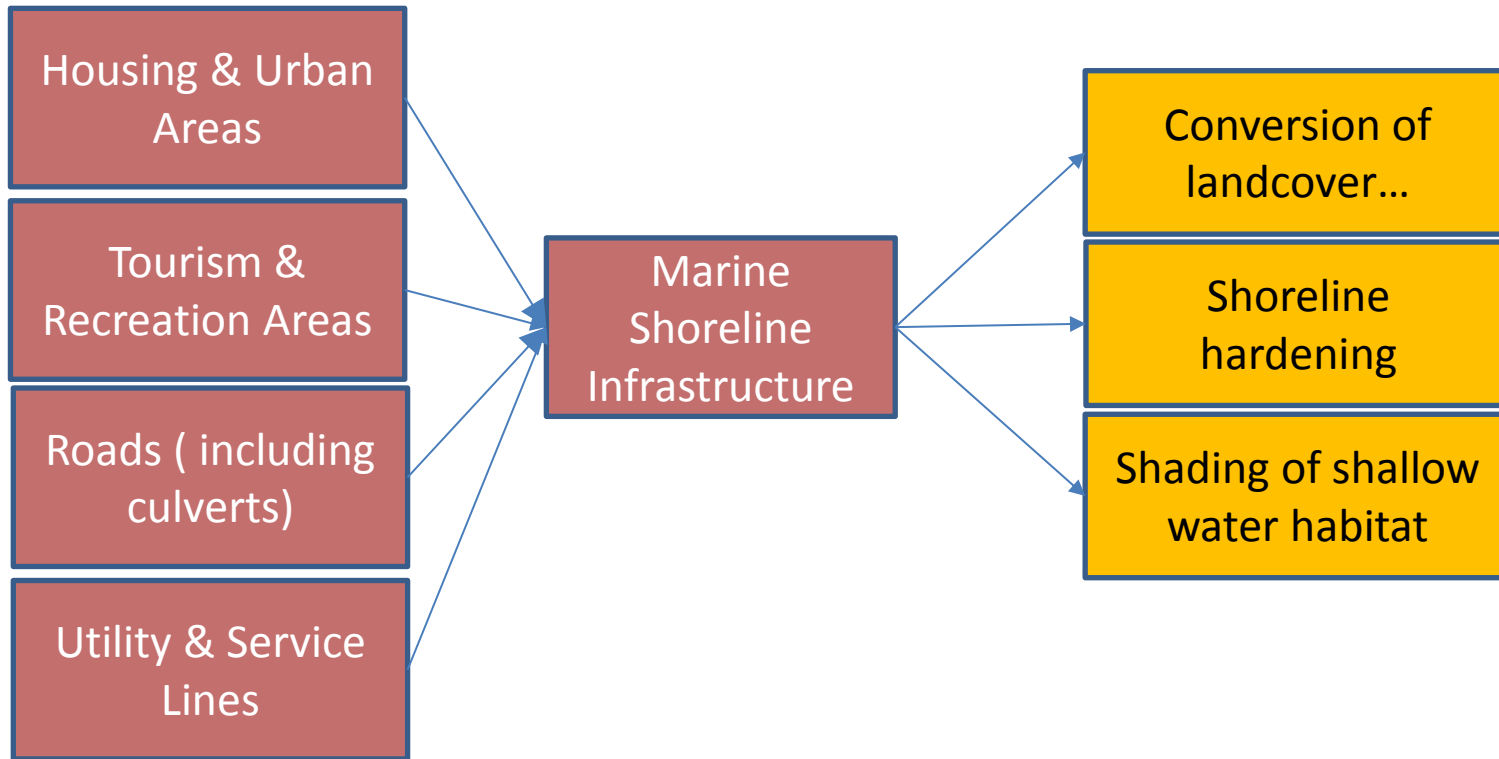
4/30/2015

# Key

Pressure =



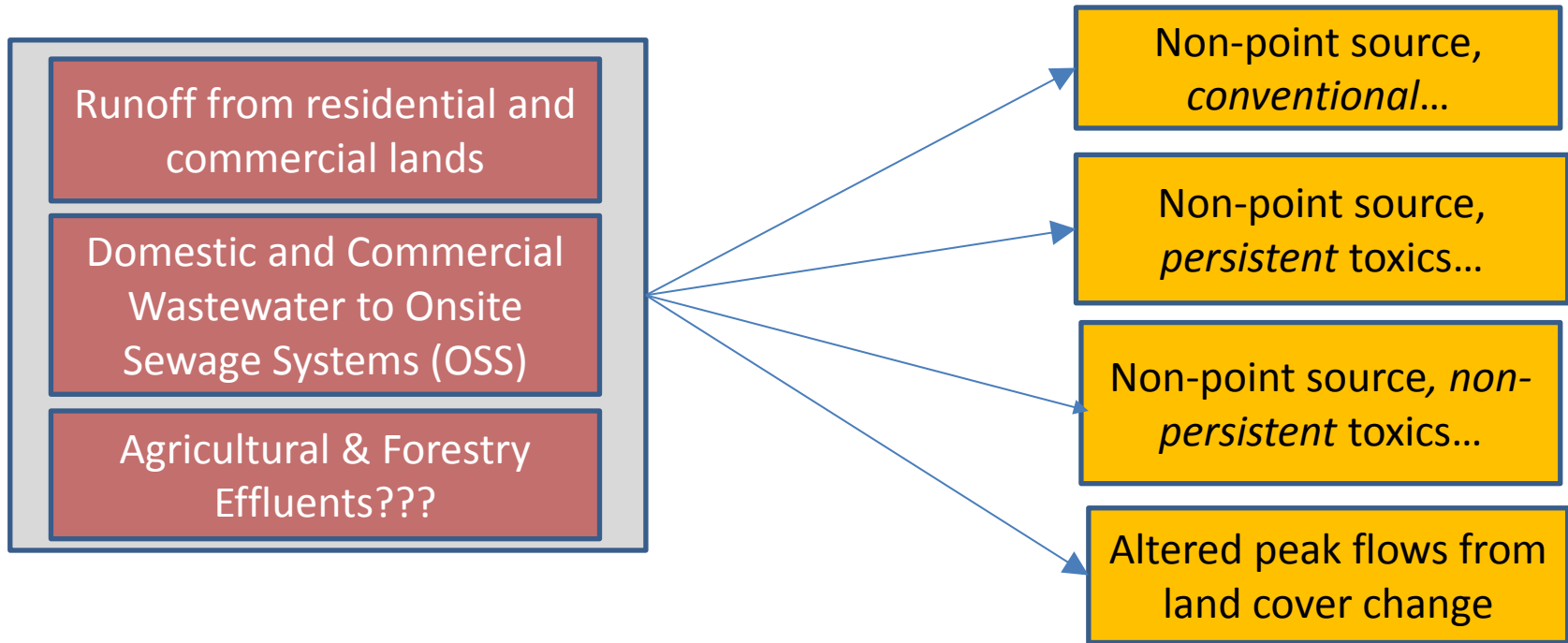
# Shoreline Development (including Armoring)



## NEW Description for 2016 (Recommended)

Shoreline Development = **Roads** (and driveways; including Culverts), **Utility & Service Lines**, **Housing & Urban Areas**, and **Tourism & Recreation Areas** on shoreline properties, leading to increased demand for **Marine Shoreline Infrastructure**, which can all produce stressors on ecosystems via **conversion of landcover, shoreline hardening, shading of shallow water habitat, etc.**

# Runoff from the Built Environment (including septic systems)



## New Description for 2016 (Recommended)

Runoff from the Built Environment = **Runoff from residential and commercial lands AND Domestic and Commercial Wastewater to Onsite Sewage Systems (OSS)**, *have direct impacts on the ecosystem via non-point pollution – conventional water pollutants, non-point source, non-persistent and persistent toxic chemicals in the aquatic systems, and volume and timing of runoff*

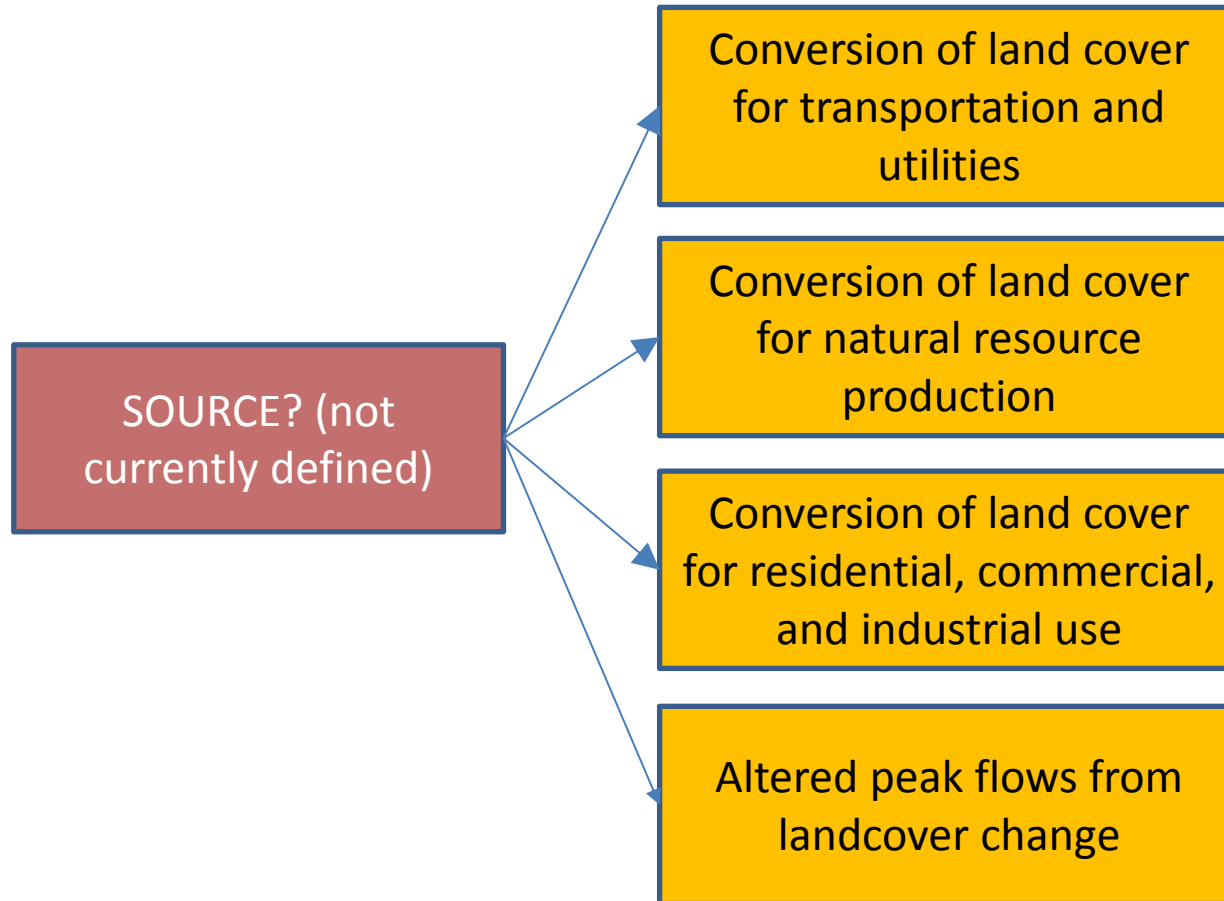
# Major Oil Spills



## New Description for 2016 (Recommended)

Major Oil Spills – Major **Oil Spills** (including Oil and Hazardous Spills).

# PSPA stressors with undefined sources



Consider the following potential sources: **Roads** (and driveways), **Utility & Service Lines**, **Housing & Urban Areas**, **Tourism & Recreation Areas**, **Annual & Perennial Non-Timber Crops**, **Logging & Wood Harvesting** (historic), **Livestock Farming & Ranching**.