From: Juliusson, Lara
To: Turner, Ed
Cc: Heather McPherron; Amy Nicholas; Joy Gober; James Lindstrom
Subject: Re: GRSG Landfills and some FAA stuff
Date: Tuesday, March 17, 2015 2:58:46 PM

Hey Ed,

Regarding landfills, I remembered this dataset I had come across a while back that might be useful. Using historic and current DEMs, USGS found areas of significant topographic change. They've classified these areas into types of activities thought to cause the changes.

http://topochange.cr.usgs.gov/download.php

abstract:

The U.S. Geological Survey has developed a national inventory of significant topographic changes based on seamless multitemporal elevation data and land cover data. The National Elevation Dataset (NED) and the Shuttle Radar Topography Mission (SRTM) data form a unique pair of seamless elevation datasets that can be used to detect and analyze 20th century topographic surface changes in the United States. The primary types of topographic changes resulting from human geomorphic activity include surface mining, road construction, urban development, dam construction, and landfills.

Purpose:

The need for more comprehensive information on the nature and extent of recent human geomorphic activity led to a spatial emphasis for the first ever accounting of topographic change across the United States. Historical NED data values were subtracted from the recently collected SRTM data to determine significant topographic changes. The National Land Cover Dataset (NLCD) provided land cover information at a 30-meter resolution that matched the NED and SRTM data.

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On Tue, Mar 17, 2015 at 3:51 PM, Turner, Ed <ed_turner@fws.gov> wrote:

> Hello Heather, I went through the 2010 National Land Use data set, and could not find any landfills within our study area. Source: *Theobald DM (2014); Development and Applications of a Comprehensive Land Use Classification and Map for the US. PLoS ONE 9(4): e94628.doi:10.1371/journal.pone.0094628*
>
> In these NLUD2010, it appears that they didn't classify any areas as landfill. Because of this we will have to do some data searches to see what we find and go from there.

More on that as I find stuff.

On the FAA data. After today's call and using some of the information Jim mentioned; I went back and pulled any FAA structure that was classified with an Action = Dismantle. Sorry I missed that on the first go-round.
I will use the resulting newly created data for the model builder process to update numbers. I'll hold off till I check the Met Towers data that Jim will be sending.

More on this as I update it.

Thanks, Ed

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