

## **Project Overview**

- · Locations of past slides
- Identify slope, soil type, and base rock at locations of slides
- Determine which combination of slope, soil type, and base rock are most often found at slide sites in Portland

### **Data Collection**

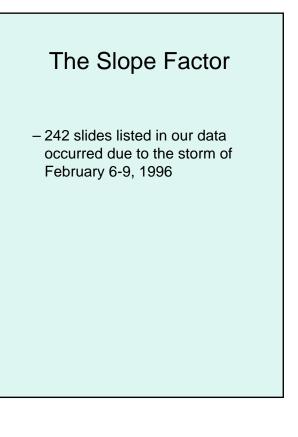
- PSU Geology Department in conjunction with Metro – survey conducted 1997-1998
- RLIS
- USGS SoilMart SSURGO (we did not actually need it though)

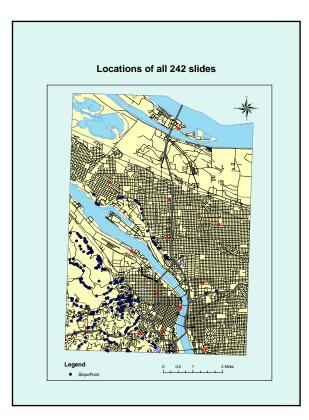
### Data Massage

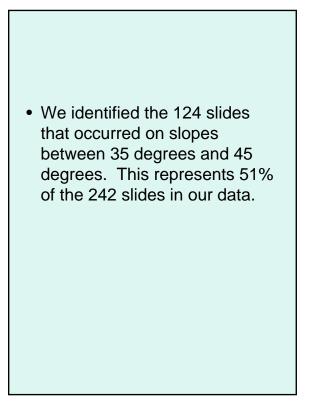
- Projection
  - Converted the projection of PSU/Metro data from Nad 27 to NAD 83
    - Then converted that data from NAD 83 projection to Nad 83 HARN

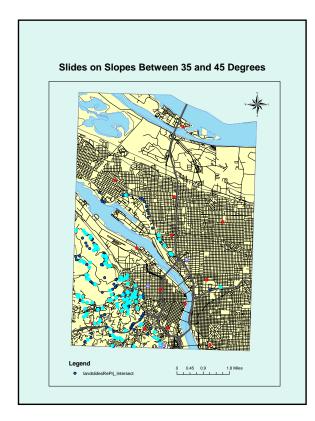
# Data Added for orientation

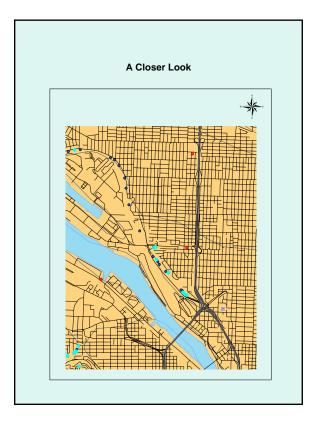
- Street layer
  - Arterials
    - Freeways
    - Major roads
- Water bodies layer
- Hospitals
- Fire Stations



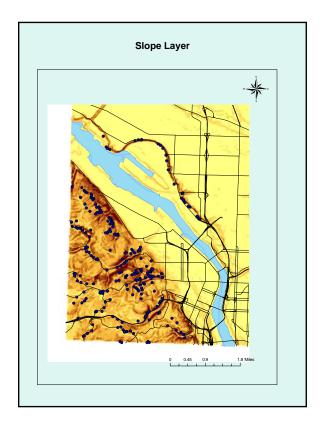


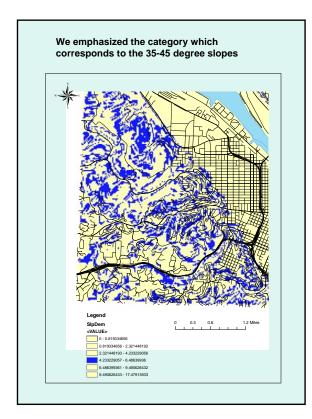






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	Cnt_U	
Rock Slope Soil	Ď	COUNT
Columbia River Basalt Group and related flows45Goble Silt Loam	18	18
Columbia River Basalt Group and related flows35Goble Silt Loam	14	14
Columbia River Basalt Group and related flows35Goble-Urban Land Complex	9	9
Columbia River Basalt Group and related flows45Wauld Very Gravelly Loam	8	8
Lacustrine and fluvial sedimentary rocks45Haploxerolls, Steep	6	6
Columbia River Basalt Group and related flows35Wauld Very Gravelly Loam	4	4
Columbia River Basalt Group and related flows40Goble Silt Loam	4	4
Columbia River Basalt Group and related flows40Wauld Very Gravelly Loam	4	4
Columbia River Basalt Group and related flows45Haplumbrepts	4	4
Sedimentary rocks35Goble Silt Loam	4	4
Basalt and basaltic andesite45Wauld Very Gravelly Loam	3	3
Basalt45Cascade-Urban Land Complex	3	3
Columbia River Basalt Group and related flows40Goble-Urban Land Complex	3	3
Columbia River Basalt Group and related flows40Haplumbrepts	3	3
Basalt and basaltic andesite35Goble-Urban Land Complex	2	2
Basalt and basaltic andesite40Goble-Urban Land Complex	2	2
Basalt and basaltic andesite40Haplumbrepts	2	2
Basalt and basaltic andesite40Wauld Very Gravelly Loam	2	2
Basalt35Cascade Silt Loam	2	2
Basalt35Cascade-Urban Land Complex	2	2
Columbia River Basalt Group and related flows35Haplumbrepts	2	2
Columbia River Basalt Group and related flows40Cascade-Urban Land Complex	2	2
Columbia River Basalt Group and related flows45Cascade Silt Loam	2	2
Columbia River Basalt Group and related flows45Cascade-Urban Land		

Alluvial deposits35Haploxerolls, Steep	1	1
Basalt and basaltic andesite35Goble Silt Loam	1	1
Basalt and basaltic andesite35Haplumbrepts	1	1
Basalt and basaltic andesite35Wauld Very Gravelly Loam	1	1
Basalt and basaltic andesite45Goble-Urban Land Complex	1	1
Basalt and basaltic andesite45Haplumbrepts	1	1
Basalt45Cascade Silt Loam	1	1
Columbia River Basalt Group and related flows35Cascade Silt Loam	1	1
Columbia River Basalt Group and related flows35Cascade-Urban Land Complex	1	1
Columbia River Basalt Group and related flows39Wauld Very Gravelly Loam	1	1
Columbia River Basalt Group and related flows41Goble Silt Loam	1	1
Columbia River Basalt Group and related flows45Goble-Urban Land Complex	1	1
Glaciofluvial, lacustrine, and pediment sedimentary deposits45Haploxerolls, Steep	1	1
Lacustrine and fluvial sedimentary rocks40Haploxerolls, Steep	1	1
Sedimentary rocks35Cascade Silt Loam	1	1
Sedimentary rocks40Goble Silt Loam	1	1
Sedimentary rocks45Cascade Silt Loam	1	1