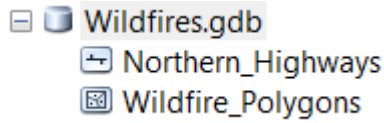


### QUIZ#6 Wildfires Within 100Km of Highway

Download the and unzip **quiz6\_Wildfires.zip** from :  
[http://dverbyla.net/nrm435/quiz\\_data\\_2017/](http://dverbyla.net/nrm435/quiz_data_2017/)



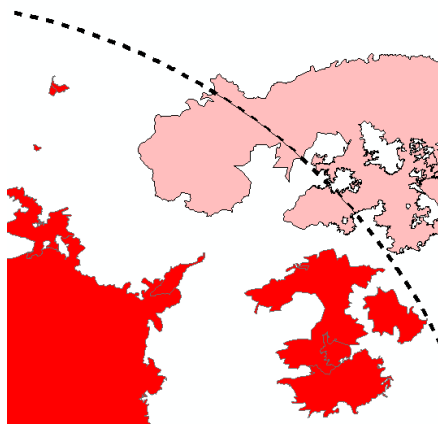
The line feature class represents roads in the northern Alaska measured in miles.

Northern_Highways	
Shape *	ROAD_NAME
Polyline M	Elliott Hwy
Polyline M	James Dalton Hwy
Polyline M	Steese Hwy

The polygons represent wildfire polygons since 2000

Wildfire_Polygons			
Shape *	FireName	FireYear	
Polygon	Kandik River	2005	
Polygon	Slate Creek	2007	
Polygon	Folger Creek	2008	
Polygon	Veh-Tenjerlow	2008	
Polygon	Tiinkdhul Lake	2008	
Polygon	Kiliovilik	2007	
Polygon	McKinley River	2007	

For the wildfires **totally within** 100 km of a highway line,



create a table of total area burned in hectares burned by year.

	FireYear	Total Fires	Total_HA_Burned
	2000	0	0.0
	2001	0	0.0
	2002	0	0.0
	2003	0	0.0
	2004	0	0.0
	2005	0	0.0
	2006	0	0.0
	2007	0	0.0
	2008	0	0.0
	2009	0	0.0
	2010	0	0.0
	2011	0	0.0
	2012	0	0.0
	2013	0	0.0
	2014	0	0.0
	2015	0	0.0
	2016	0	0.0

All output should be in your Wildfires.gdb geodatabase container.

Email me ( [dlverbyla@alaska.edu](mailto:dlverbyla@alaska.edu) ) your map package **mpk** file. (not your .mxd file) as an attachment