

The background of the slide is a light blue map of the Great Lakes region, showing the outlines of the five Great Lakes (Superior, Michigan, Huron, Erie, and Ontario) and the surrounding landmasses. The map is repeated in a grid pattern across the entire slide.

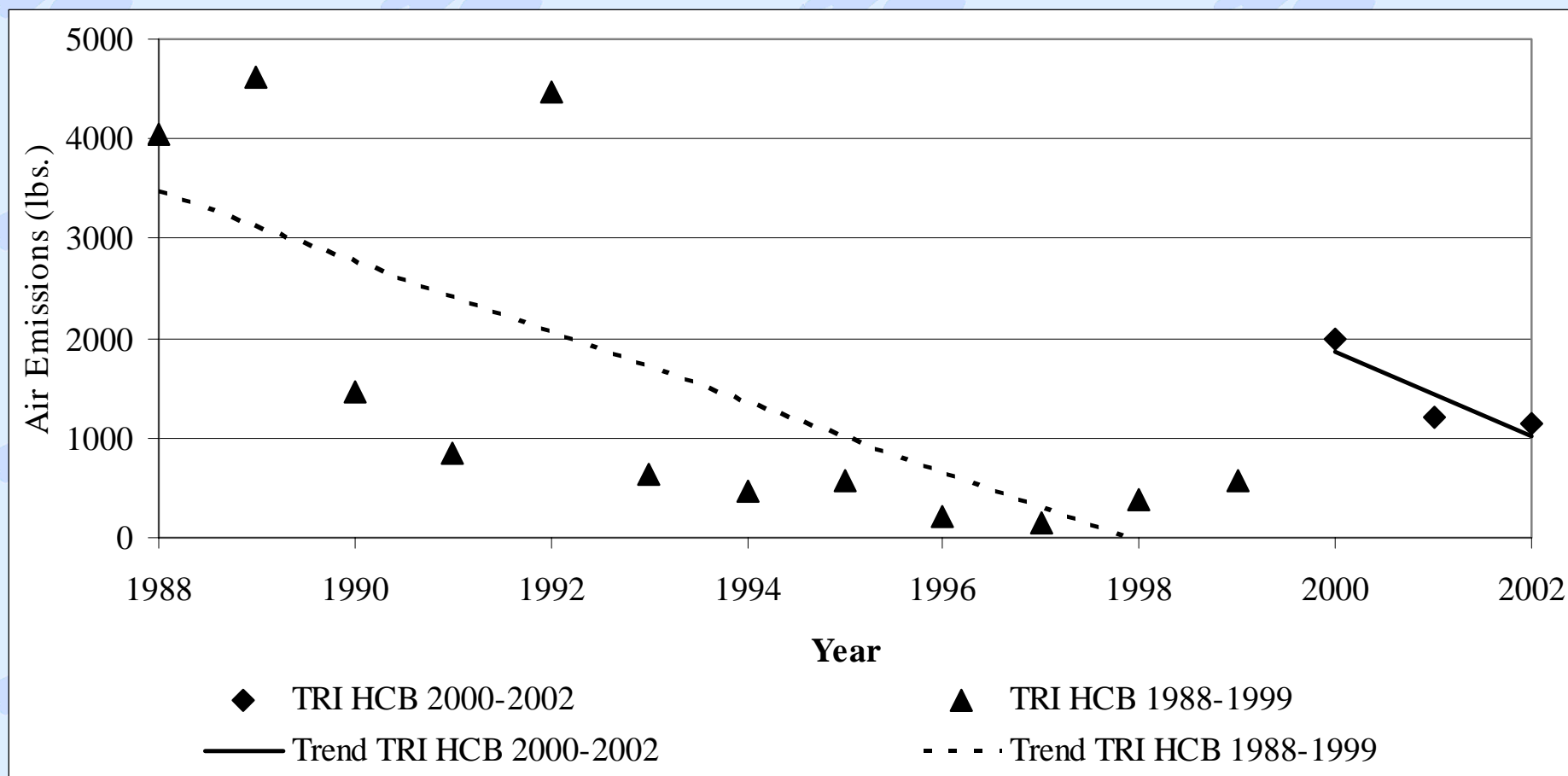
Using Emissions Inventories to Inform Decisions Under the Binational Toxics Strategy

Jon Dettling
Great Lakes Commission
May 18, 2005

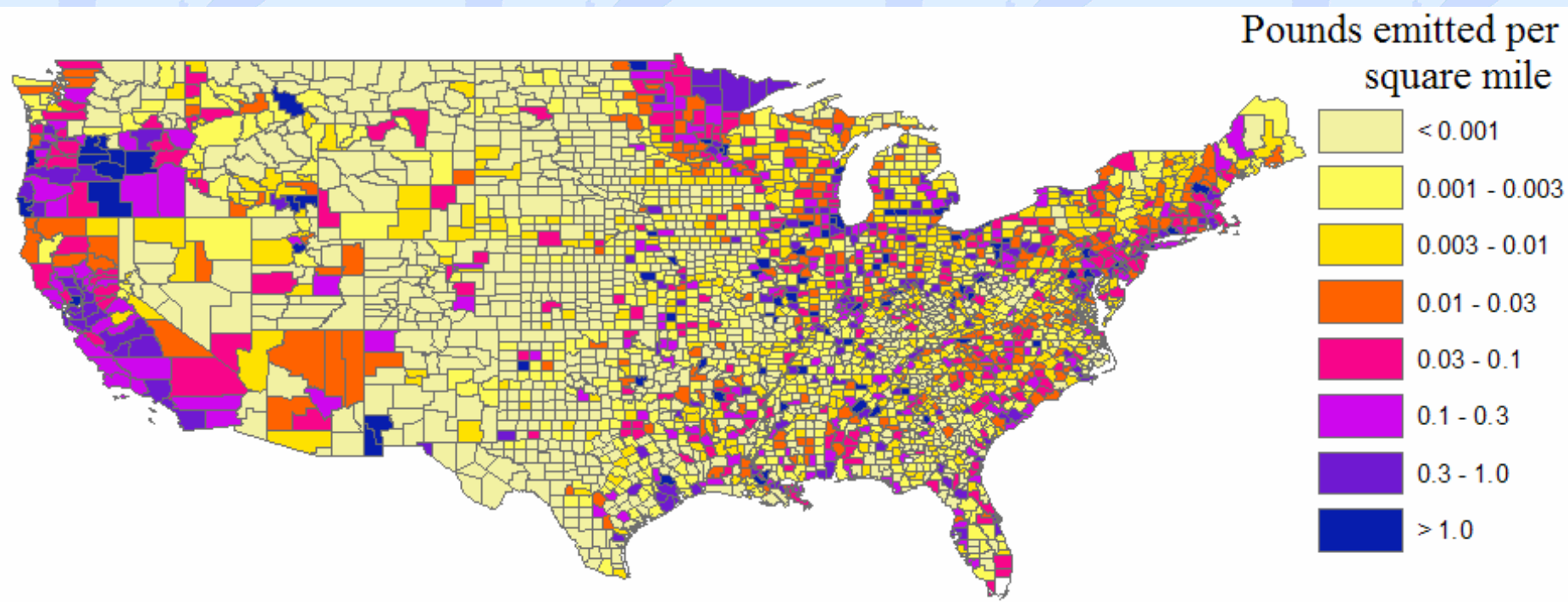
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Trend of Hexachlorobenzene emissions from the TRI (1988-2002)



Geographic distribution of cadmium emissions from the NEI (1999)



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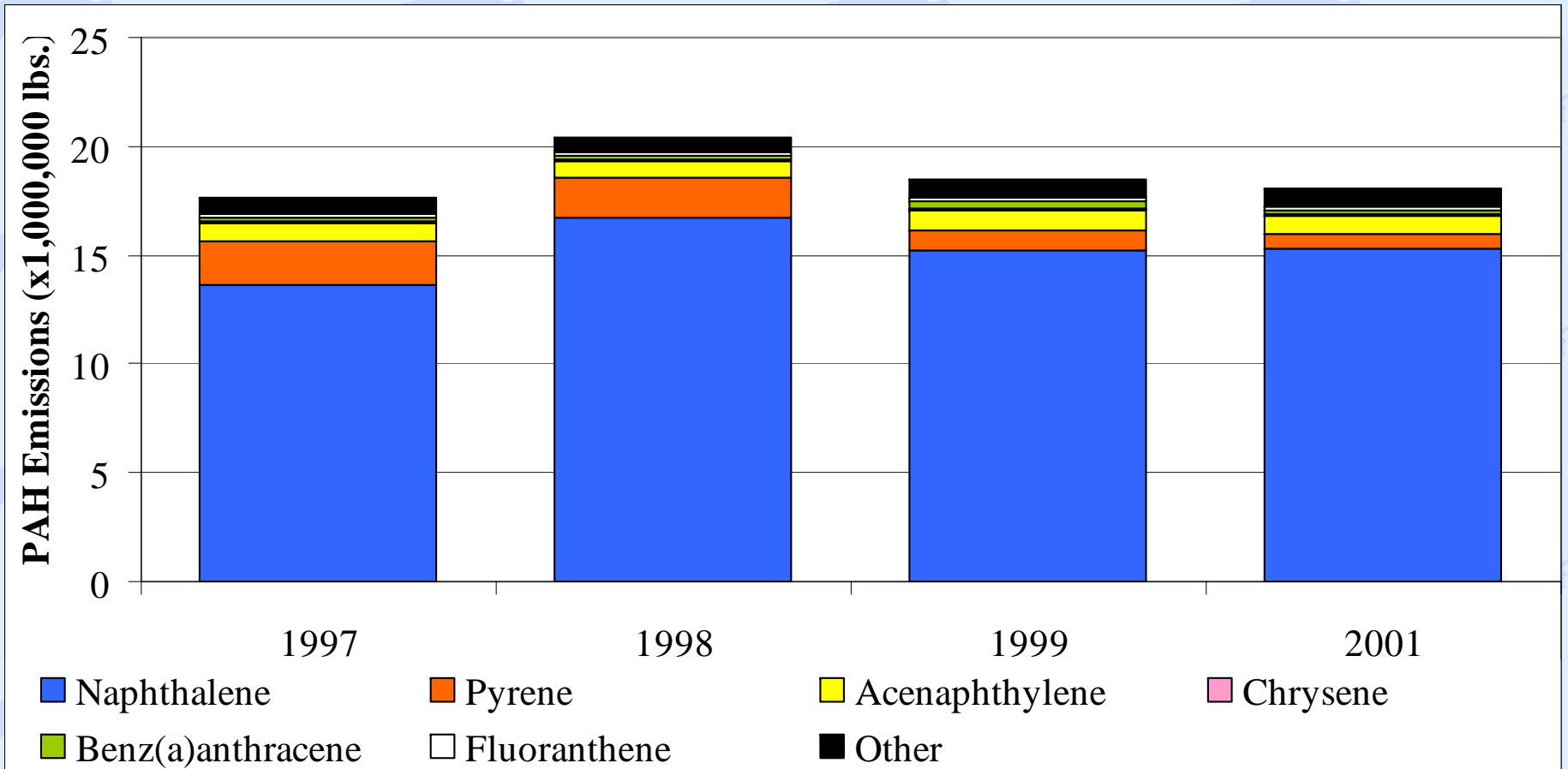
PAH emissions from NEI, TRI and GLATEI (1999)

Compound or Group	TRI PAC*	NEI 7-PAH	NEI 15-PAH	1999 Total Air Emissions (lbs.)		
				TRI	NEI	GLATEI
Acenaphthene			X			152,680
Acenaphthylene			X			904,140
Anthracene			X	78,173		152,063
Benz(a)anthracene	X	X	X			308,371
Benzo(a)pyrene	X	X	X			51,022
Benzo(b)fluoranthene	X	X	X			33,354
Benzo(g,h,i)perylene			X	40,812†		65,601
Benzo(k)fluoranthene	X	X	X			18,197
Chrysene		X	X			102,617
Dibenz(a,h)anthracene	X	X	X			11,739
Fluoranthene			X			194,967
Fluorene			X			141,977
Indeno(1,2,3-c,d)pyrene	X	X	X			42,389
Naphthalene				2,723,319	38,701,303	15,211,359
Phenanthrene			X	262,739		156,635
Pyrene			X			922,620
7 PAH Group					15,654,472	15,736,659
15 PAH Group					29,386,931	18,427,342
Non-15 PAH Group					4,259,525	
TRI PAC Group*				1,374,589		

* In addition to the compounds listed, the TRI PAC group includes Benzo(j)fluoranthene; Benzo(j,k)fluorene; Benzo(r,s,t)pentaphene; Benzo(a)phenanthrene; Dibenz(a,h)acridine; Dibenz(a,j)acridine; 7H-Dibenzo(c,g)carbazole; Dibenzo(a,e)fluoranthene; Dibenzo(a,e)pyrene; Dibenzo(a,h)pyrene; Dibenzo(a,l)pyrene; 7,12-Dimethylbenz(a)-anthracene; 3-Methylcholanthrene; 5-Methylchrysene; and 1-Nitropyrene.

† Because Benzo(g,h,i)perylene emissions are included in the TRI for 2000, but not 1999, the 2000 number is included here.

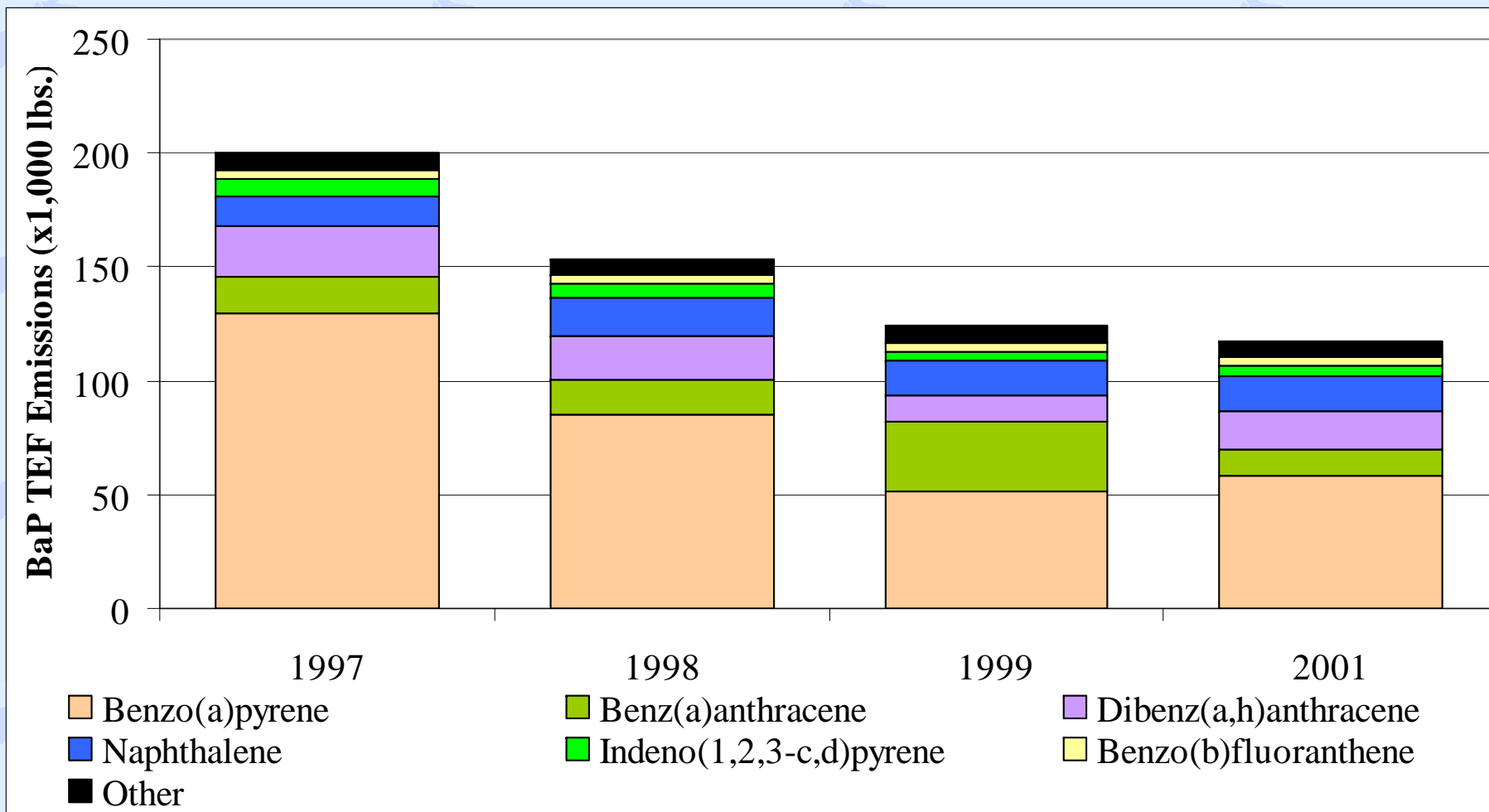
PAH emissions by weight from the GLATEI (1996-2001)



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PAH emissions by TEF from the GLATEI (1996-2001)



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