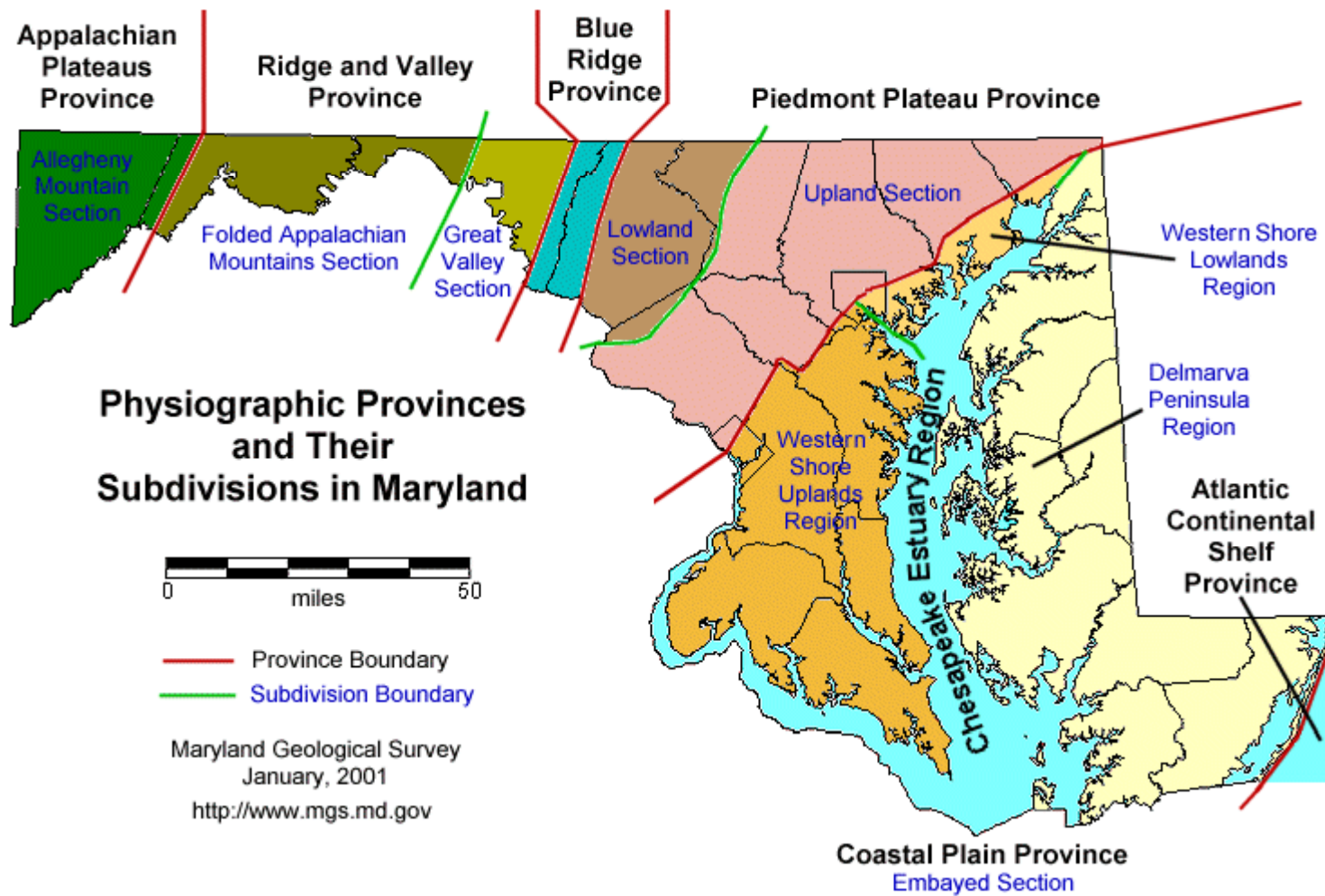


# Diversity of Water Use in Maryland

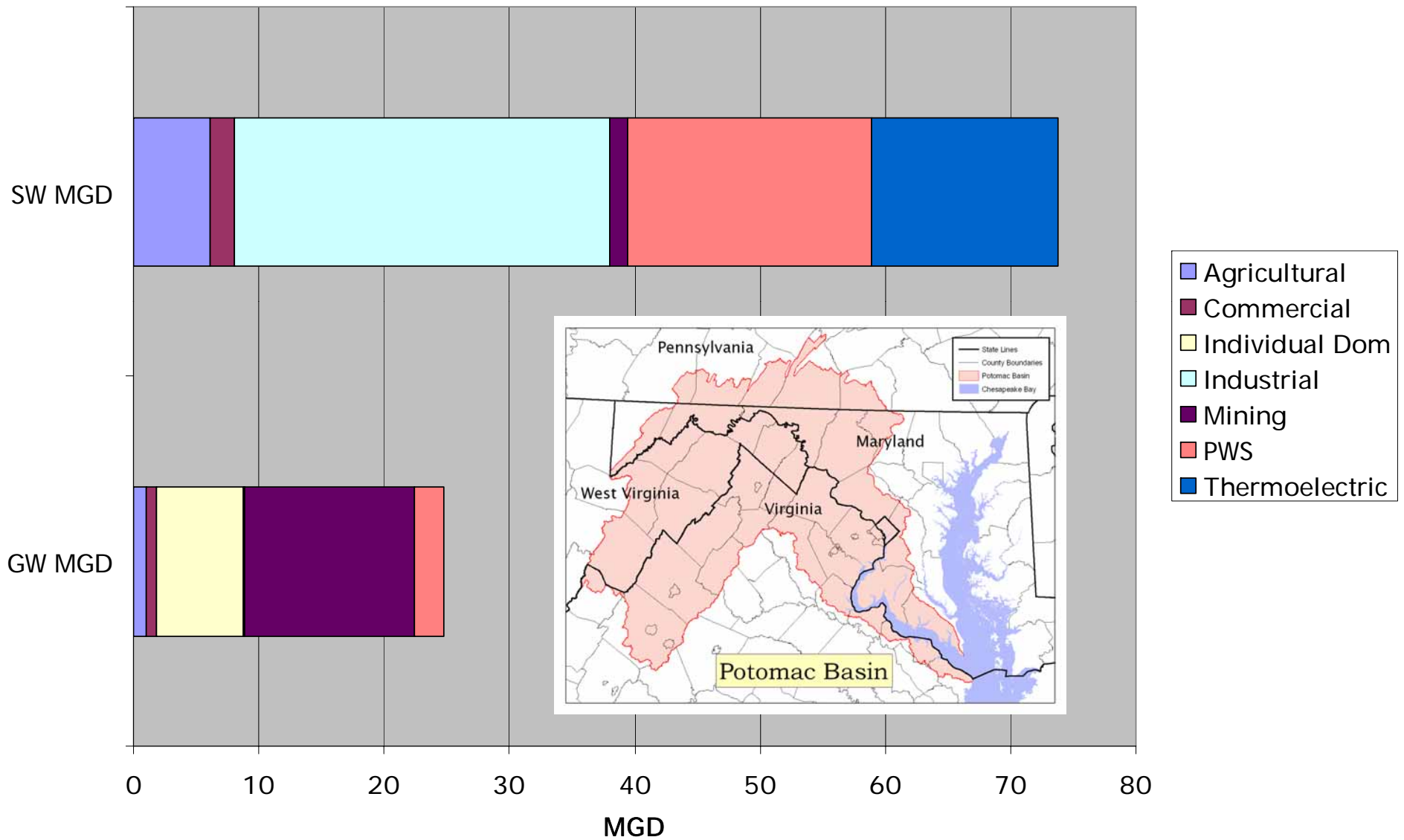
John H. Smith, PE  
&  
John W. Grace

April 19, 2010

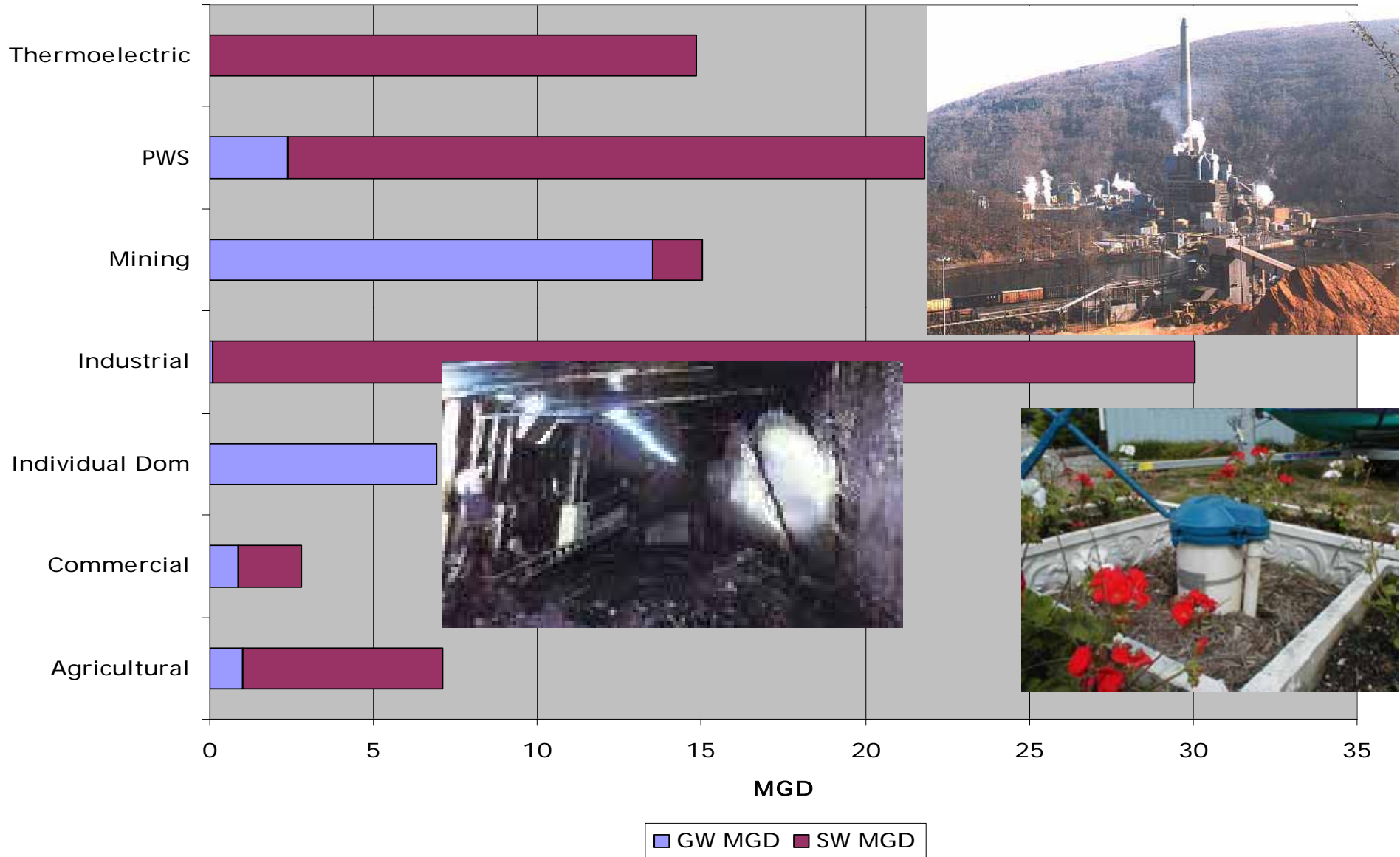




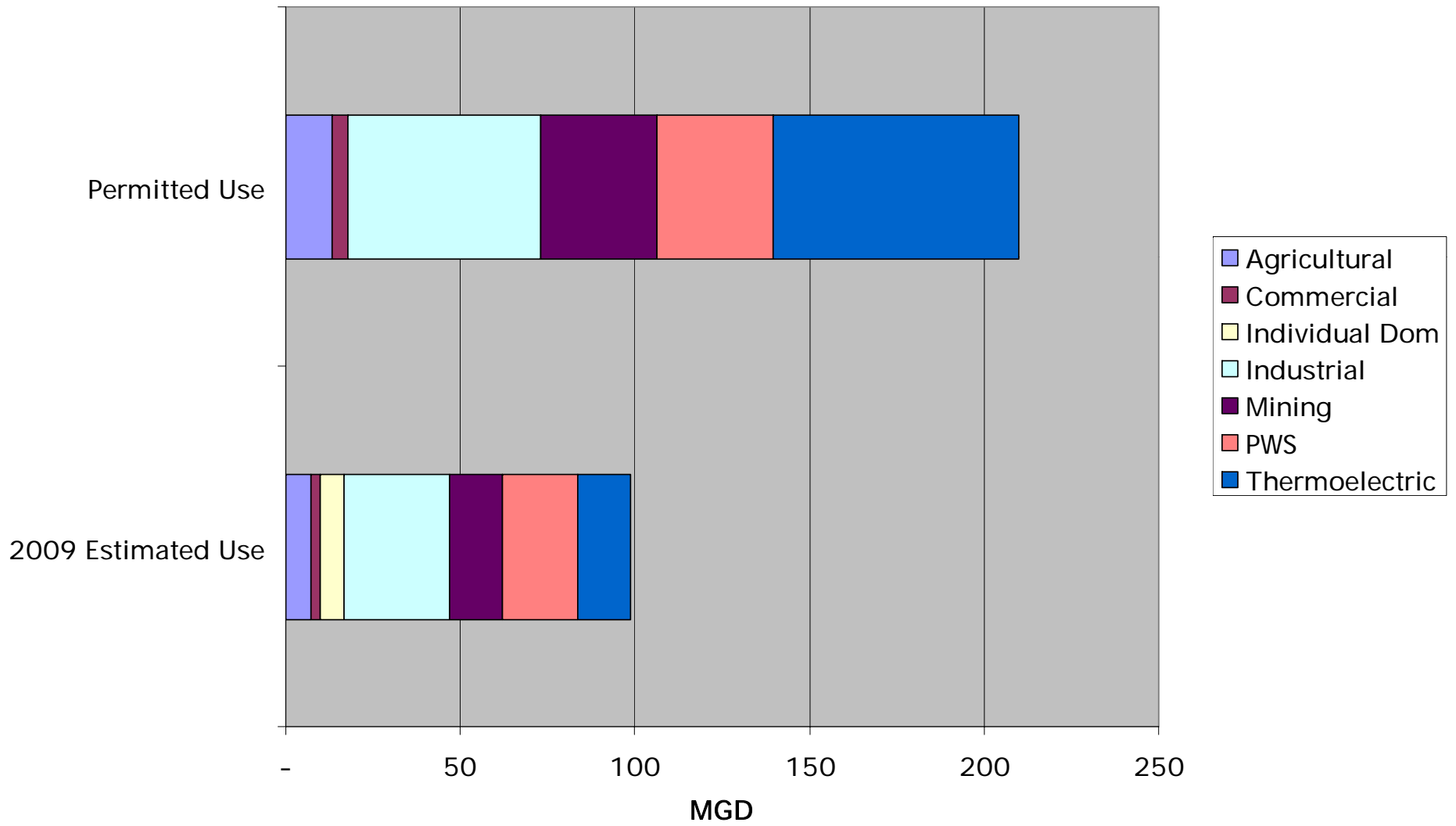
# 2009 Western Region Fresh Water Use by Source



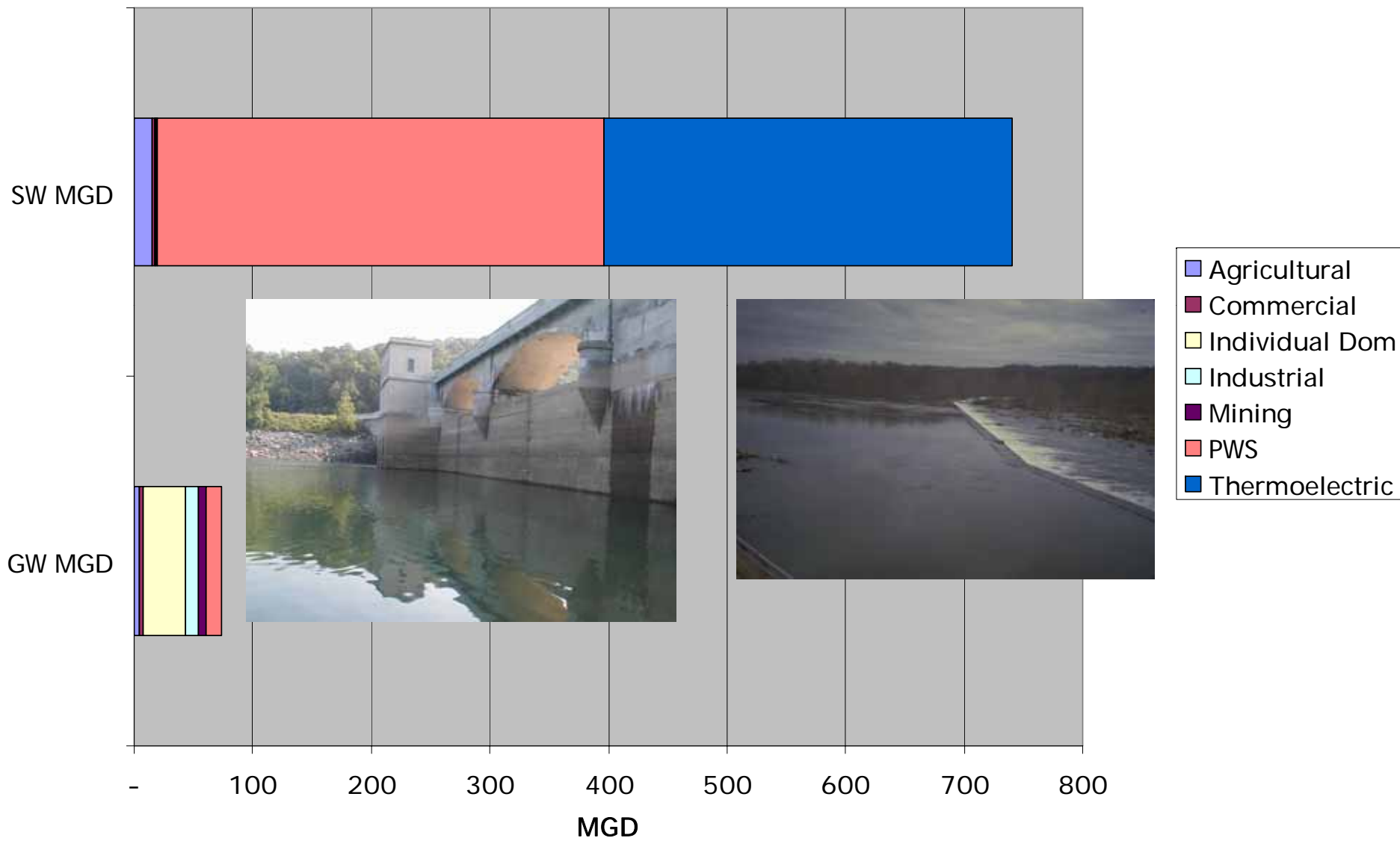
# 2009 Fresh Water Use in the Western Region



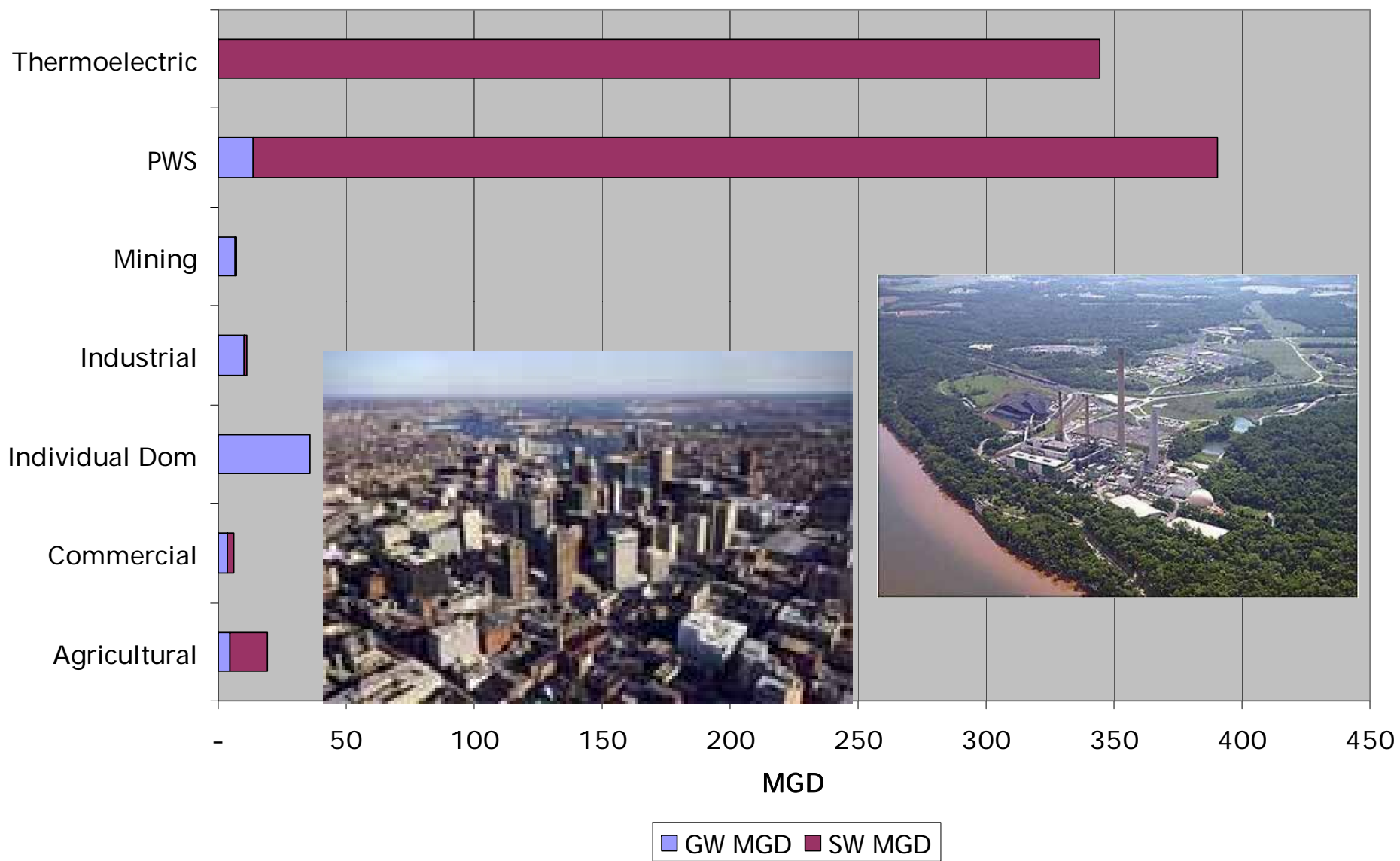
# Western Region: Permitted vs 2009 Reported and Estimated Fresh Water Use



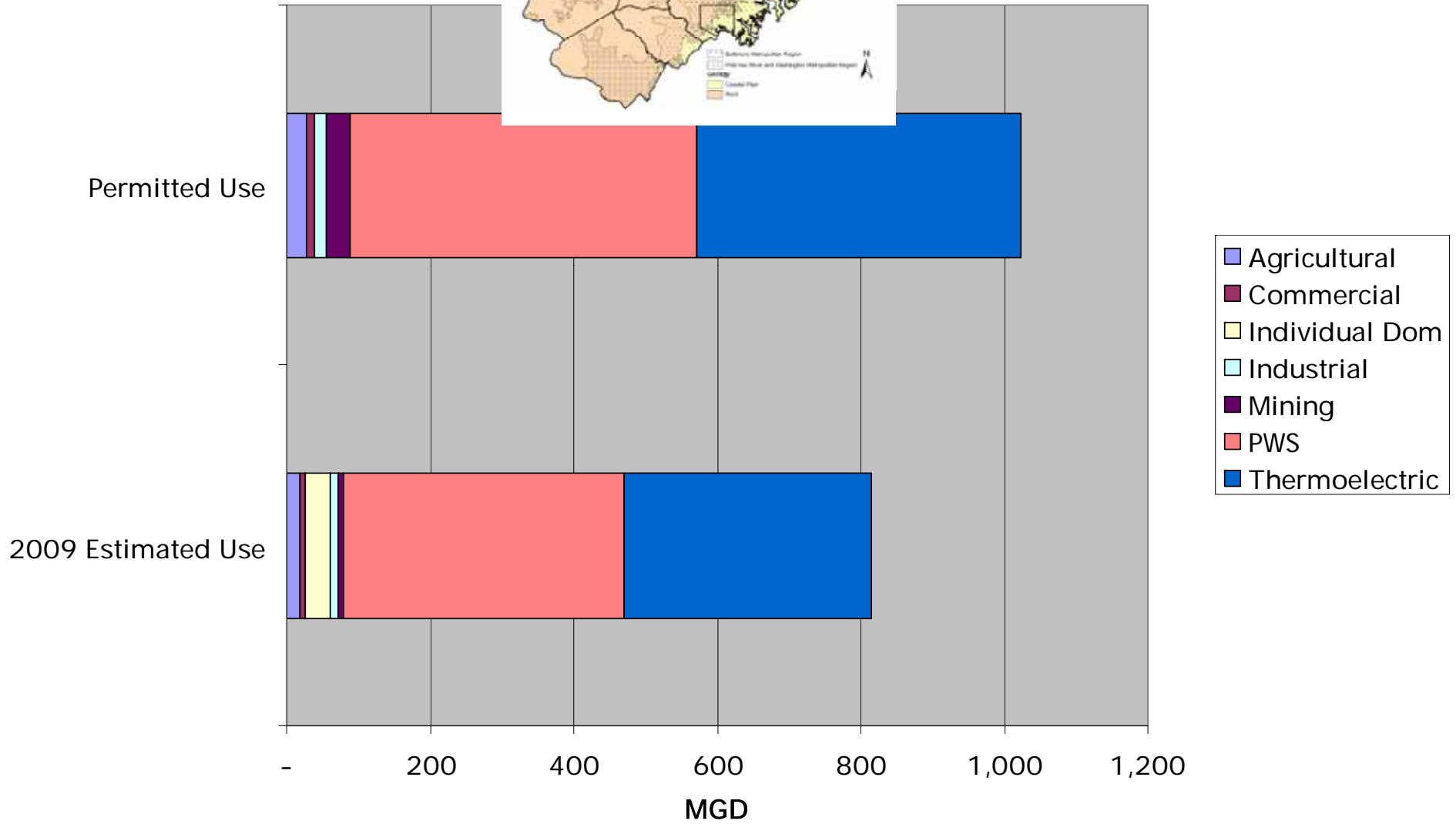
# 2009 Central Region Fresh Water Use by Source



# 2009 Fresh Water Use in the Central Region

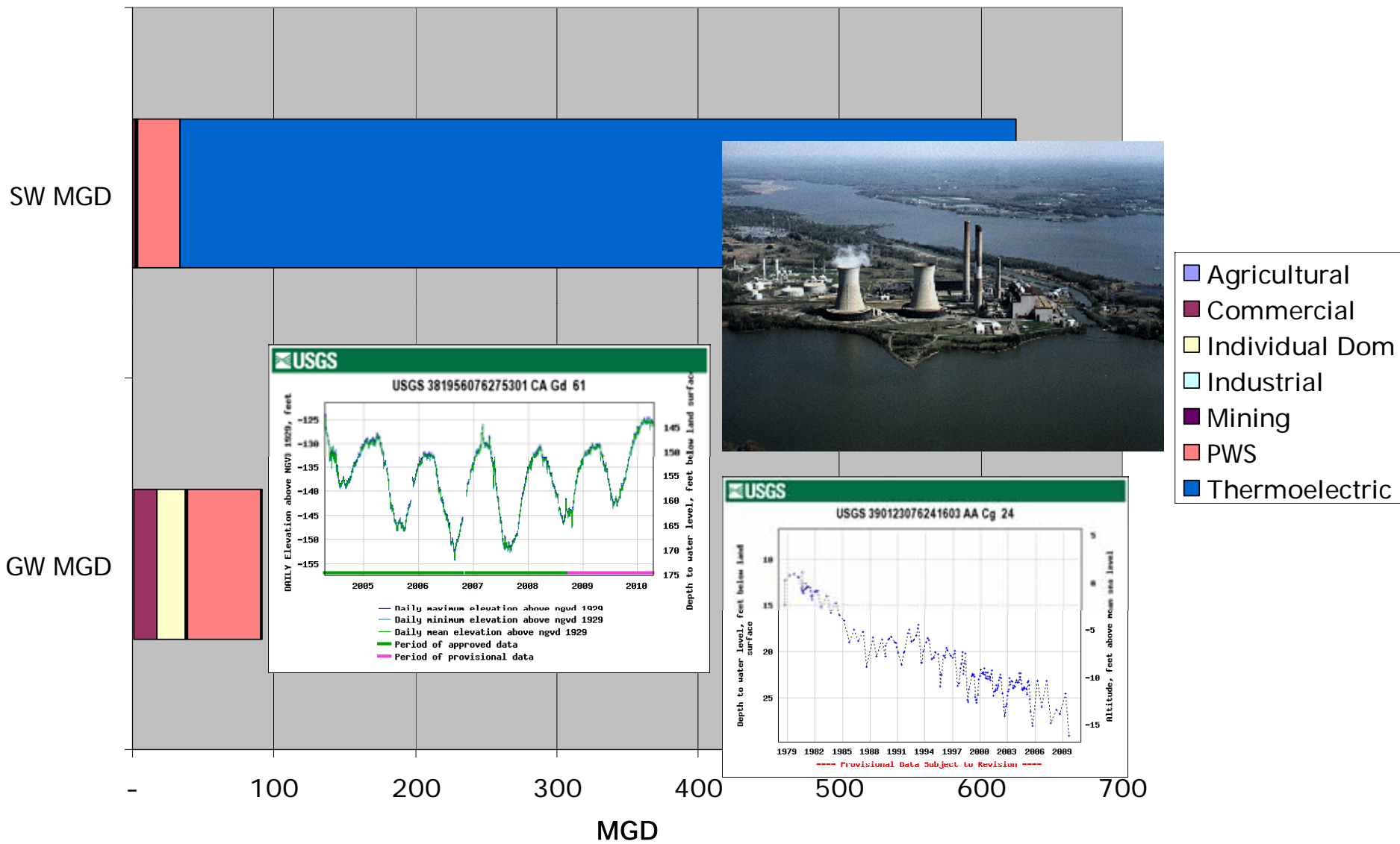


# Central Region: Permitted vs 2009 Reported and Estimated Fresh

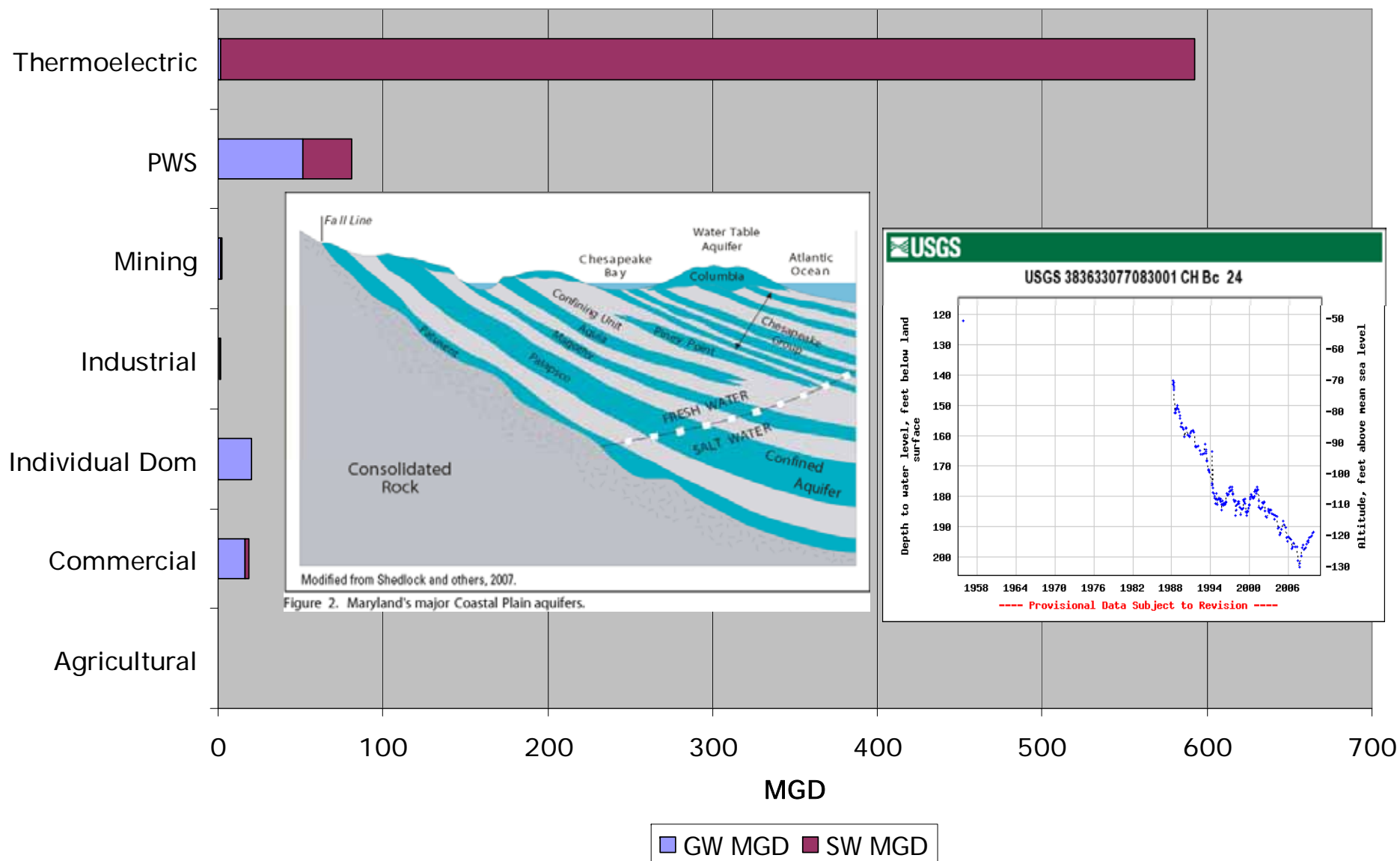




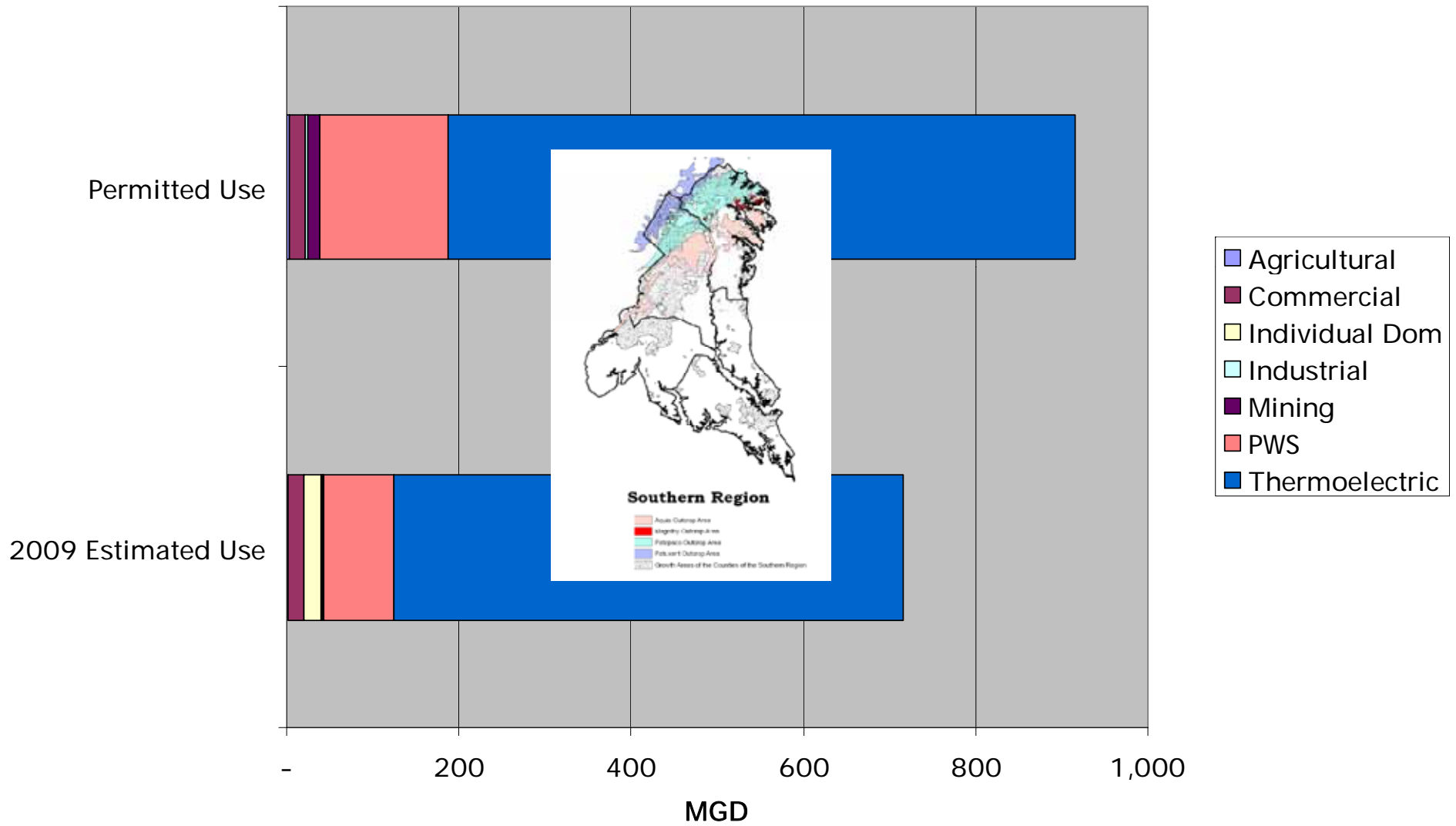
# 2009 Southern Region Fresh Water Use by Source



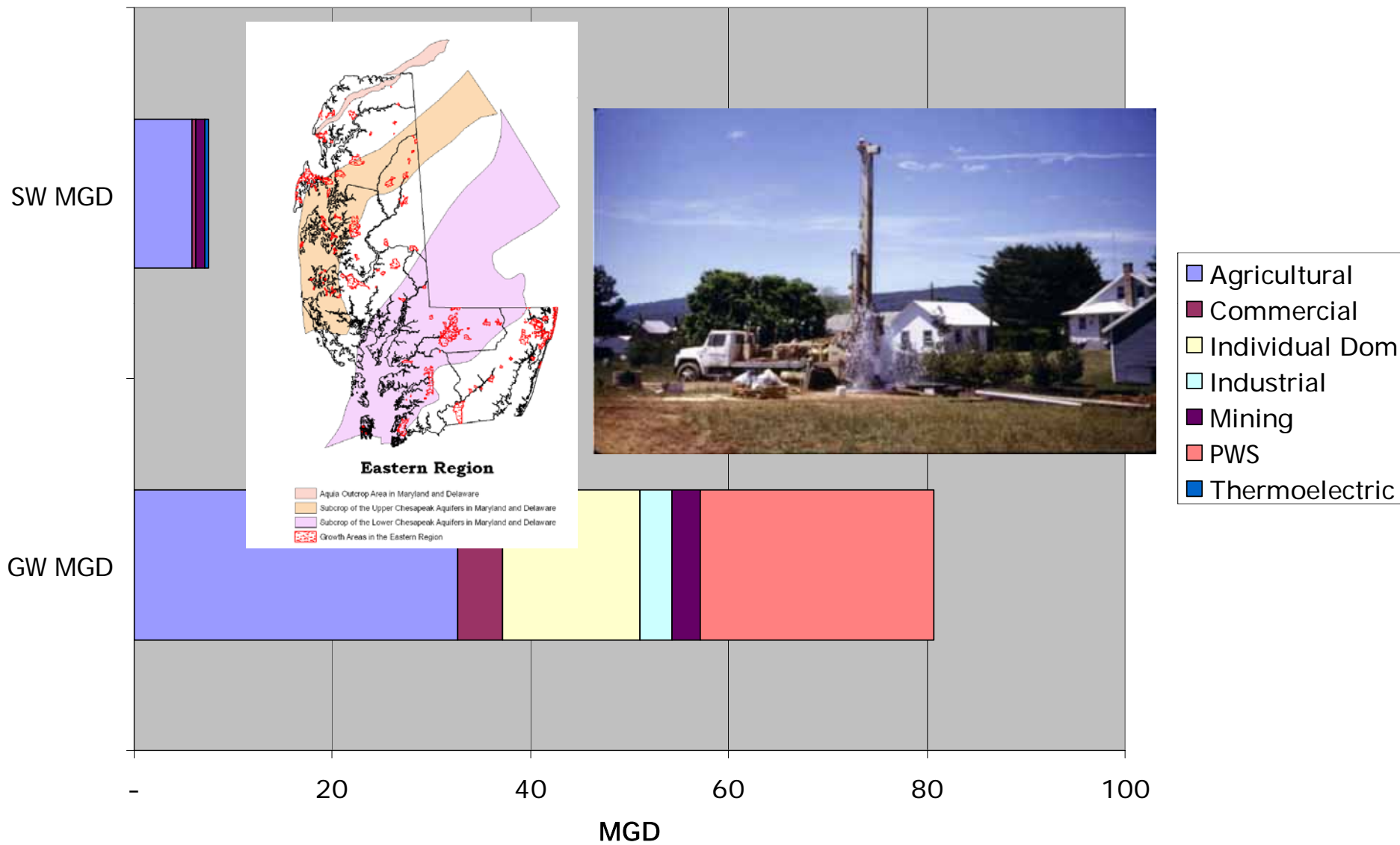
# 2009 Fresh Water Use in the Southern Region



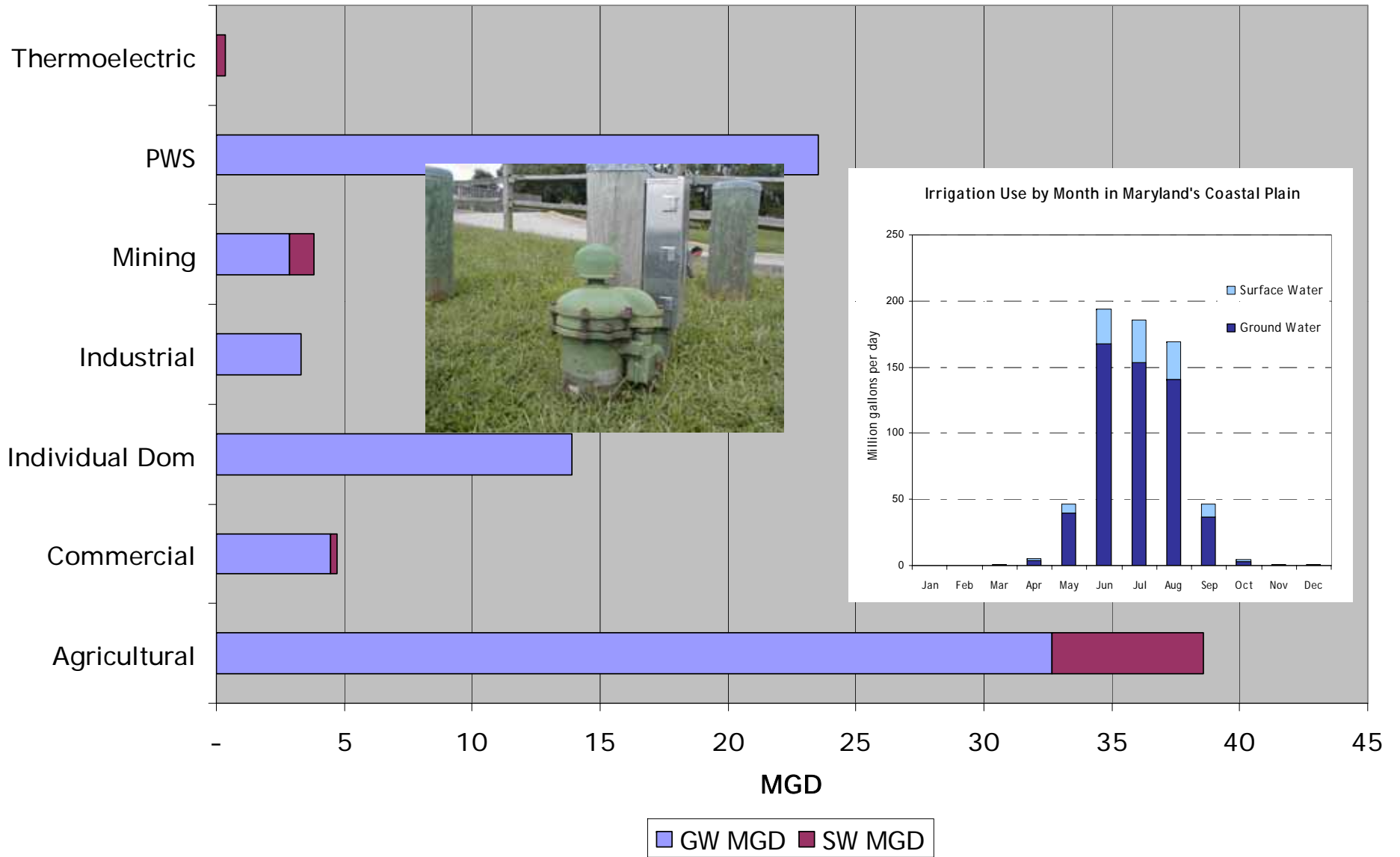
## Southern Region: Permitted vs 2009 Reported and Estimated Fresh Water Use



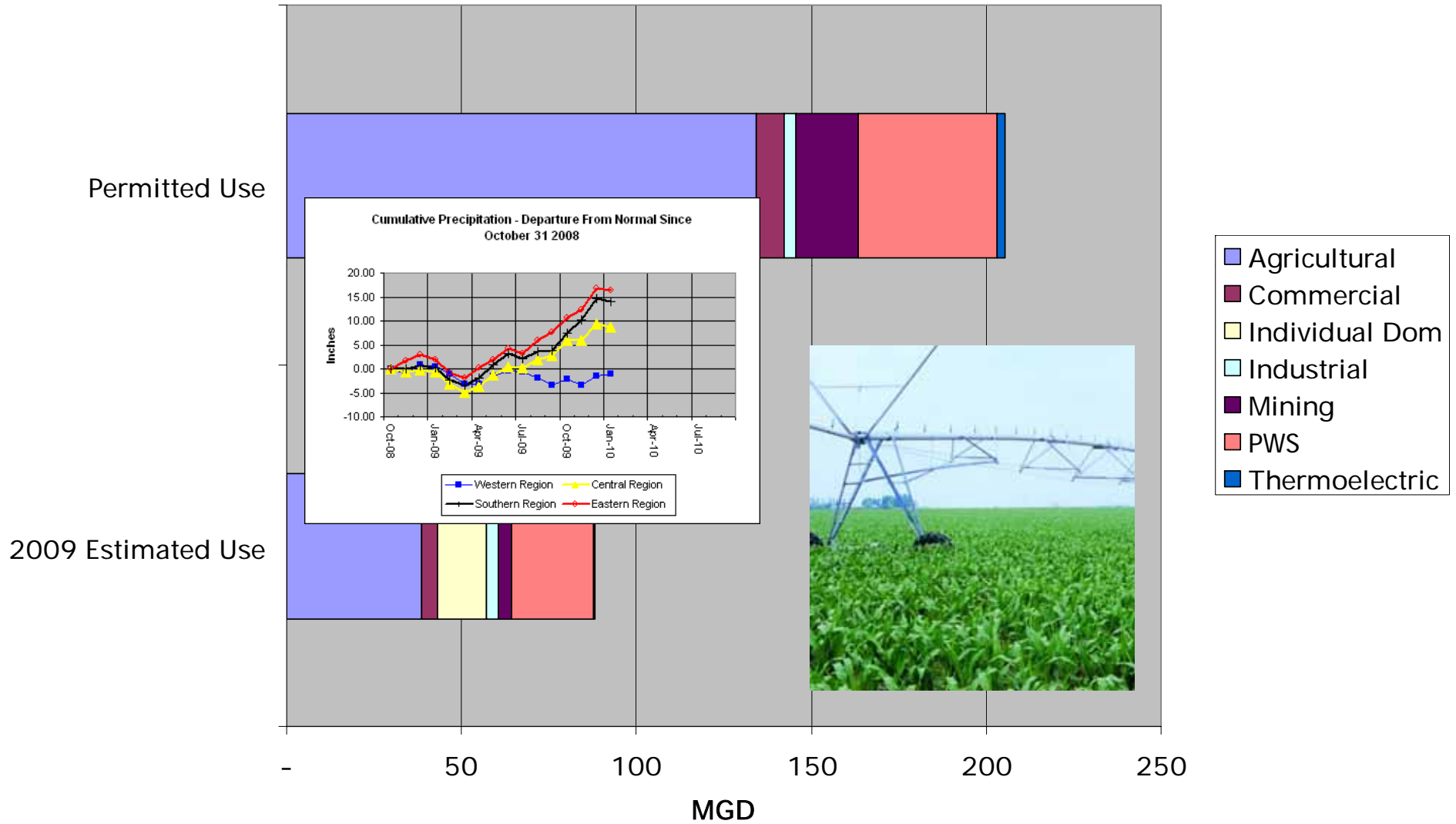
# 2009 Eastern Region Fresh Water Use by Source



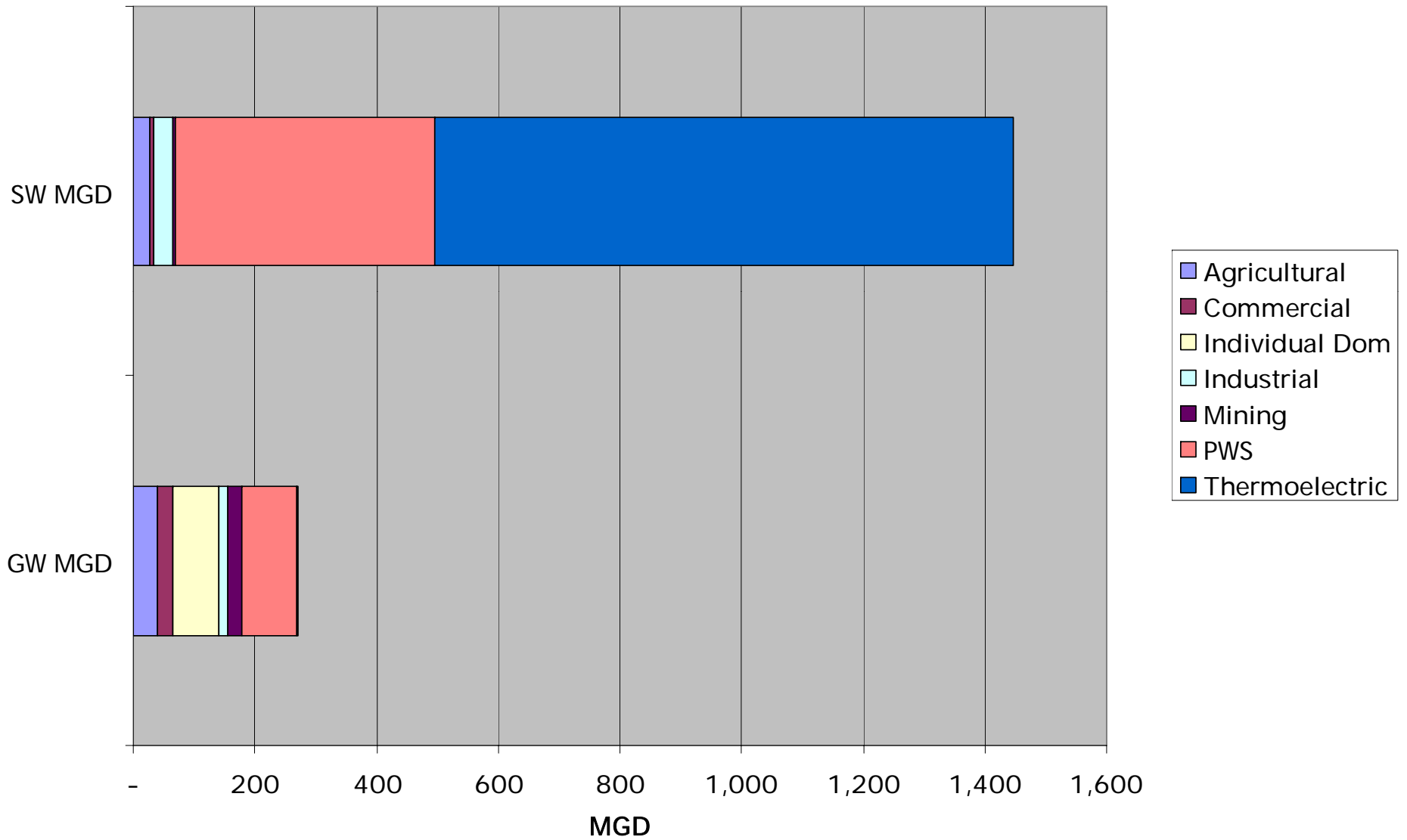
# 2009 Fresh Water Use in the Eastern Region



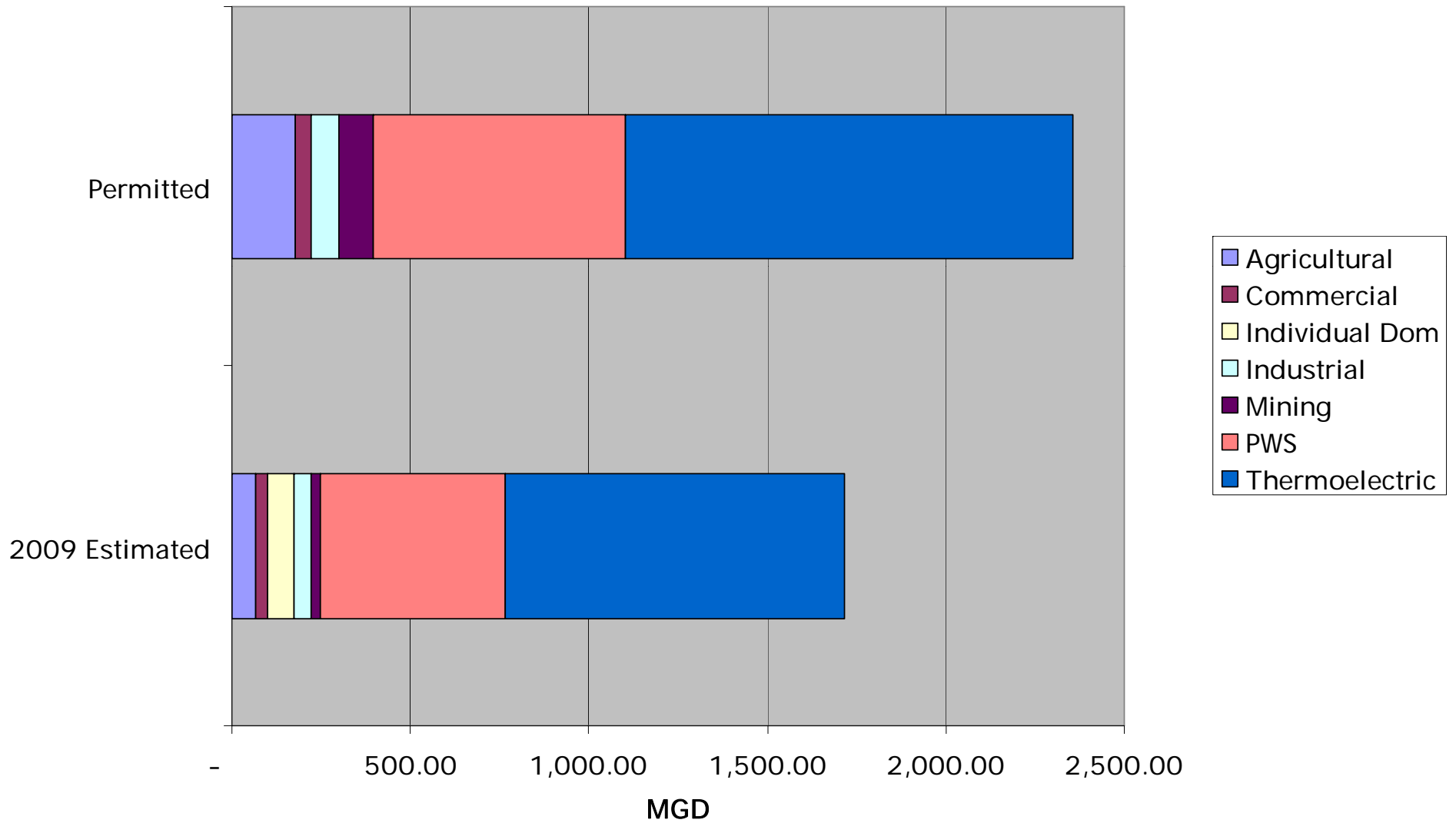
# Eastern Region: Permitted vs 2009 Reported and Estimated Fresh Water Use



# State Wide 2009 Fresh Water Use by Source and Use

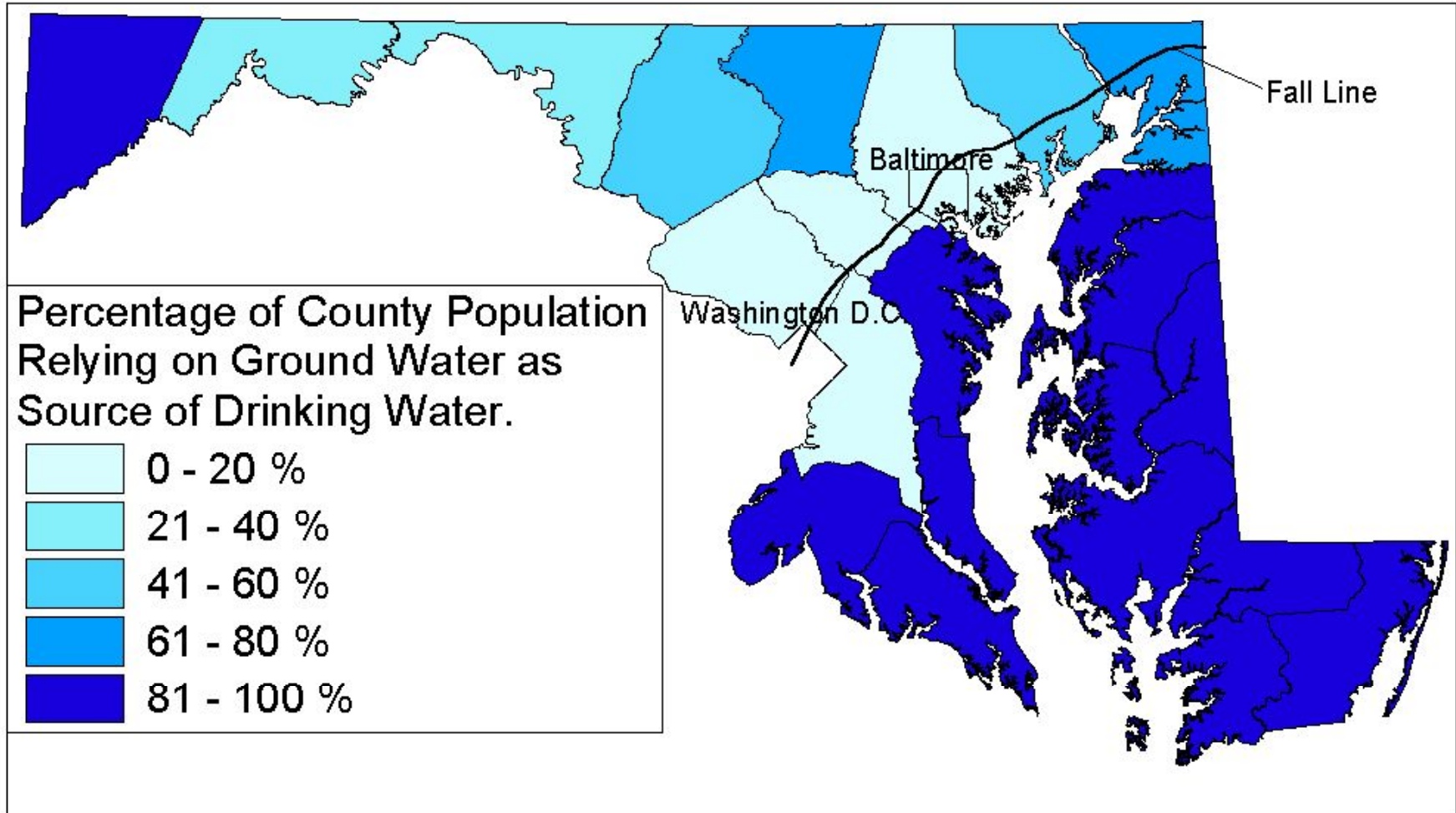


# State Wide: Permitted vs 2009 Reported and Estimated Fresh Water Use

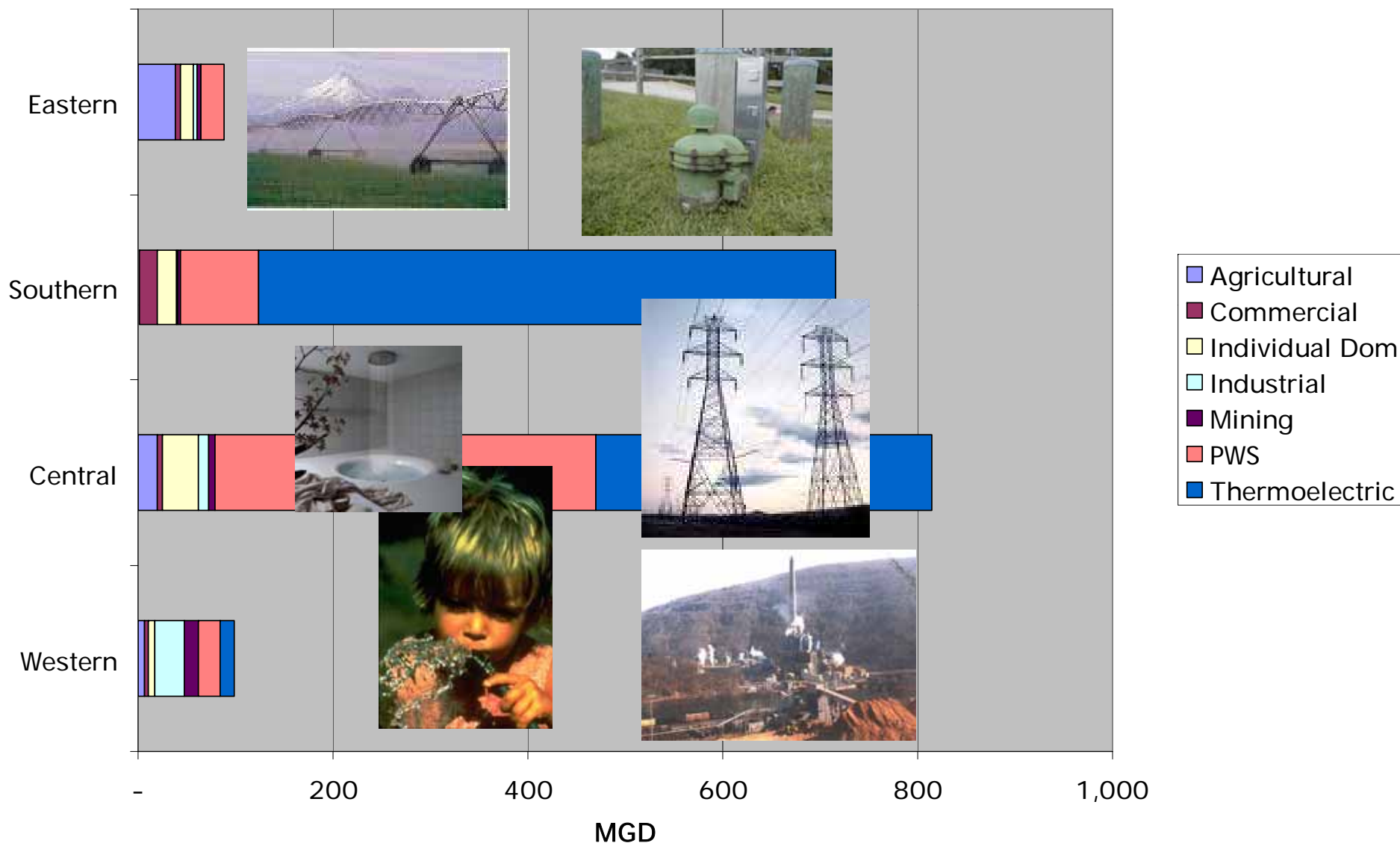




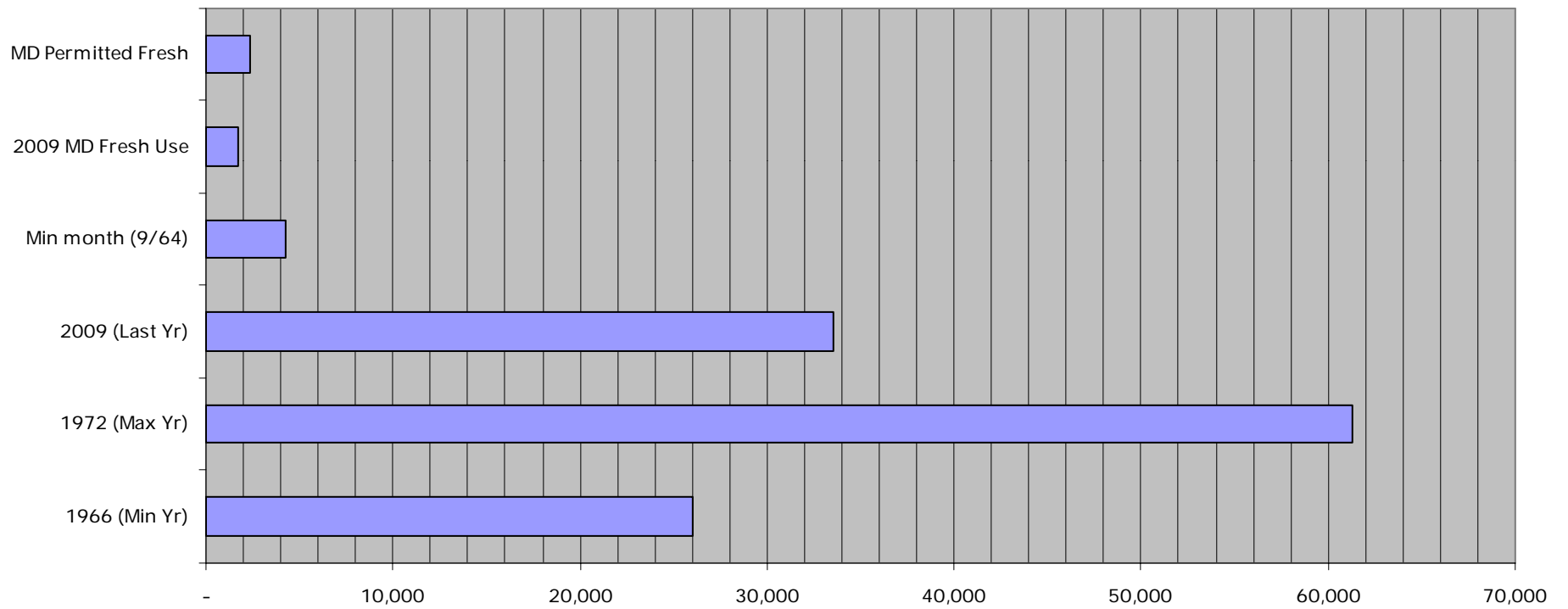
# Marylander's Reliance on Ground Water for Drinking Water



## 2009 Fresh Water Use for Each Region



**Chesapeake Inflows to X-Sect C (Below Potomac) in MGD For Selected Calendar Years and Maryland Fresh Water Appropriations**





Public supply, thermoelectric, domestic wells, irrigation and aquaculture water use in Maryland are expected to increase 16% by 2030

	<u>2000 Water Demand</u>	<u>Projected Water Demand Increase by 2030</u>
Public Supply	824	+ 58
Thermoelectric	379	+ 54
Domestic Self-Supplied	77	+ 17
Industrial	66	*
Irrigation	42	+ 84
Aquaculture	20	+ 20
Commercial	21	*
Livestock	10	*
Mining	8	*
<b>Total</b>	<b>1,447 (mgd)</b>	<b>+ 233 (mgd)</b>

(\* Not projected)



# Questions ?? Contact Us

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- 410 -537 -3714

