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# BC Spill Reports Characterization

An analysis of spill reports received in 2011 and  
2012

Examples of major spills attended by Ministry of  
Environment staff (2005 to 2012)



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## Spill Reports Characterization Disclaimer

- Analysis is based upon initial spill report information received through BC's Spill Reporting Line.
- Information is provided by the spiller, or members of the public reporting spills.
- Initial reporting information may change once further information is received, however, this is not reflected in the data.
- Data is not to be considered absolute or used for decision making purposes.

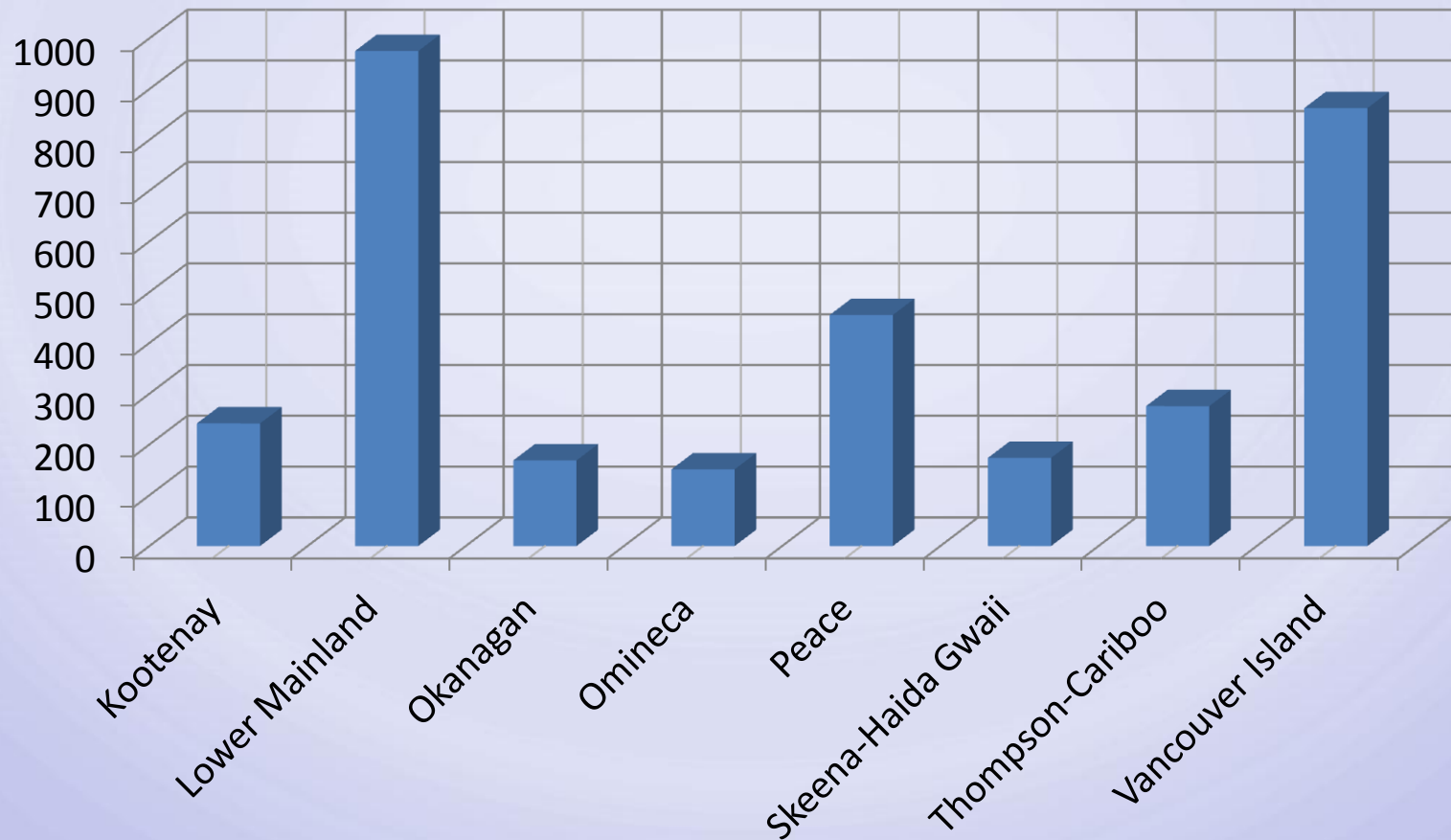


## Spill Reports Analysis

- 3500 spills of hazardous materials or other materials that can be harmful to the environment reported annually in BC (based on 10 year average).
- Analysis is based upon a new data collection approach implemented in mid 2010.
- Designed to capture basic information.
- Disclaimer - does not allow for detailed analysis and based on best available data.

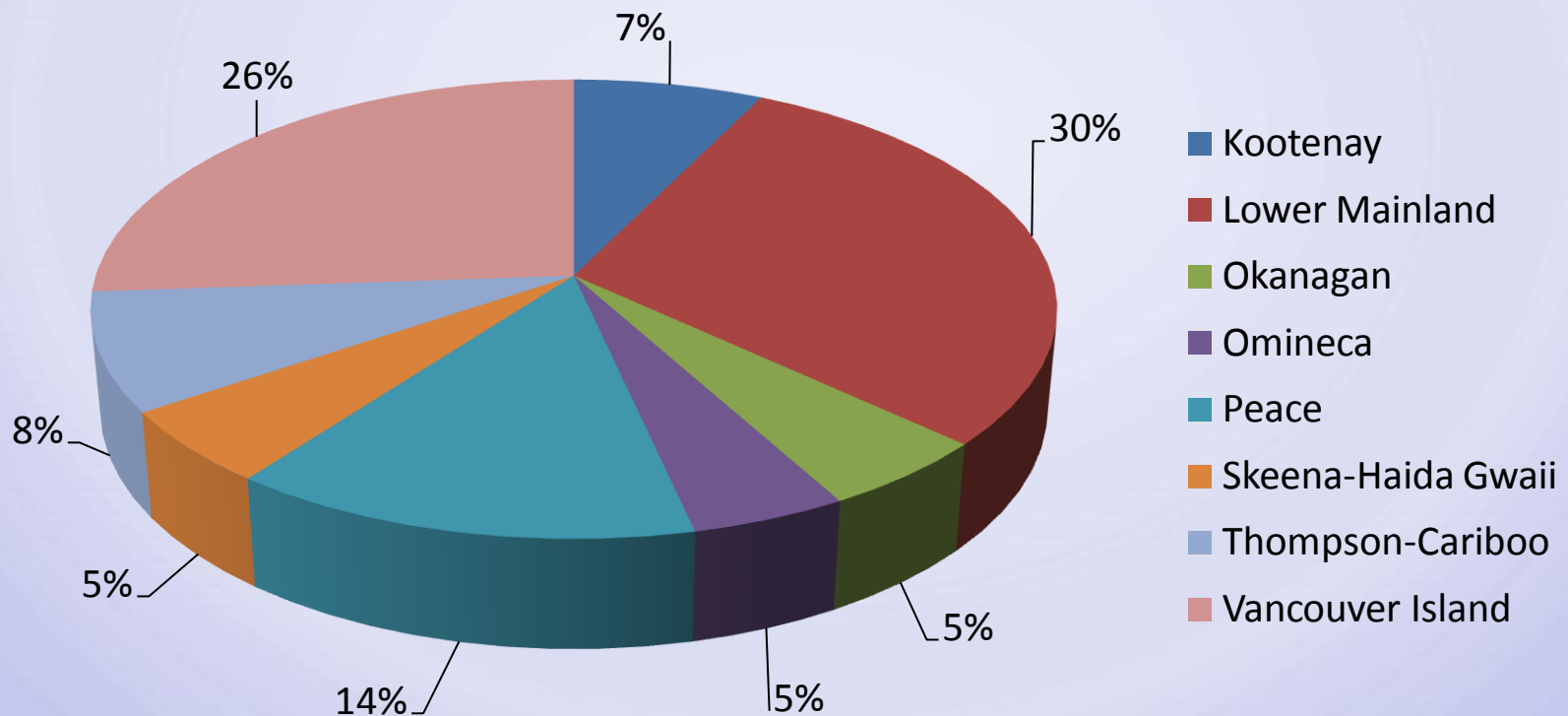


## Spill Reports Analysis – Geographic Distribution (2011/2012 average)



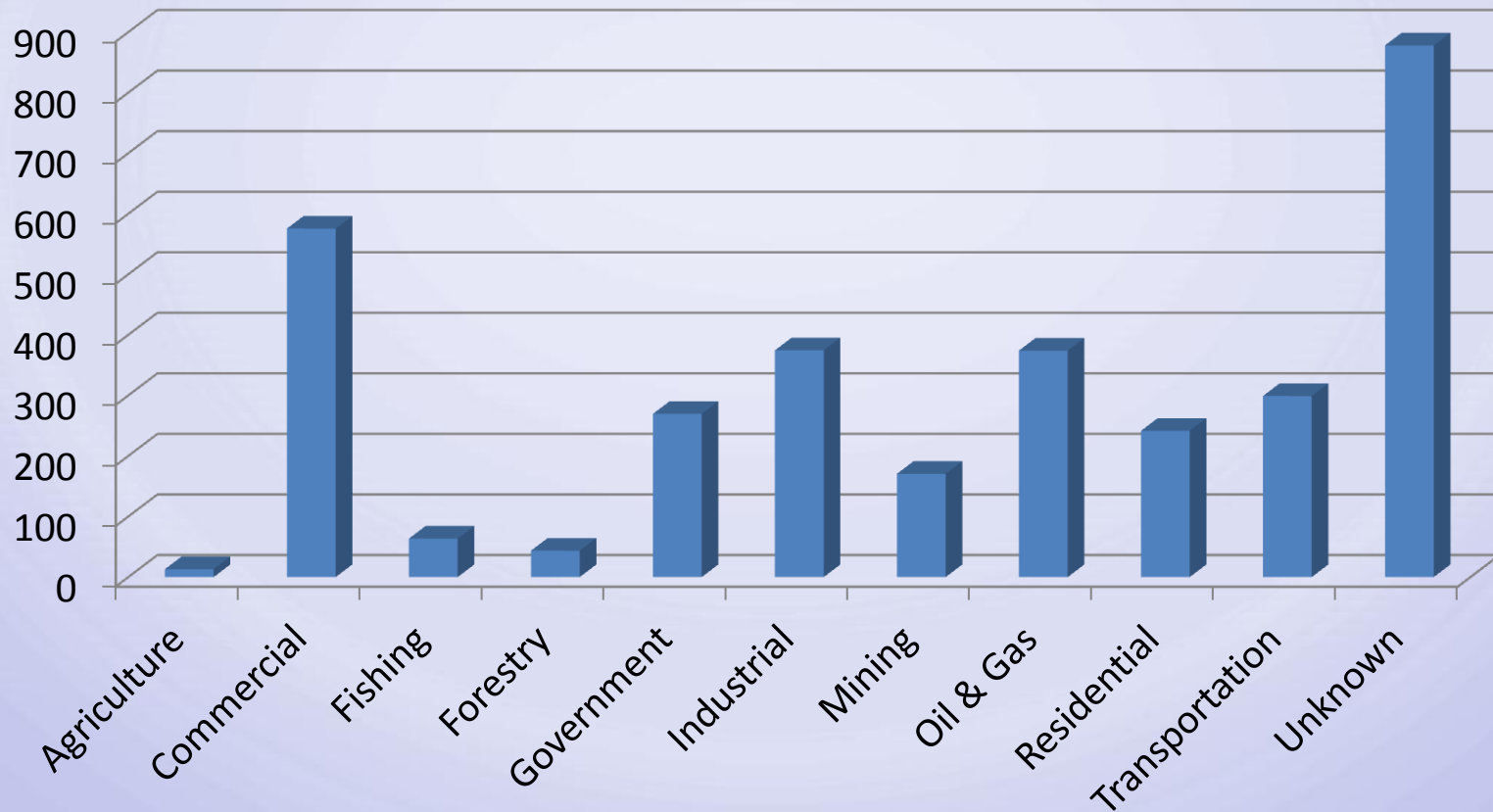


## Spill Reports Analysis – Geographic Distribution (2011/2012 average)



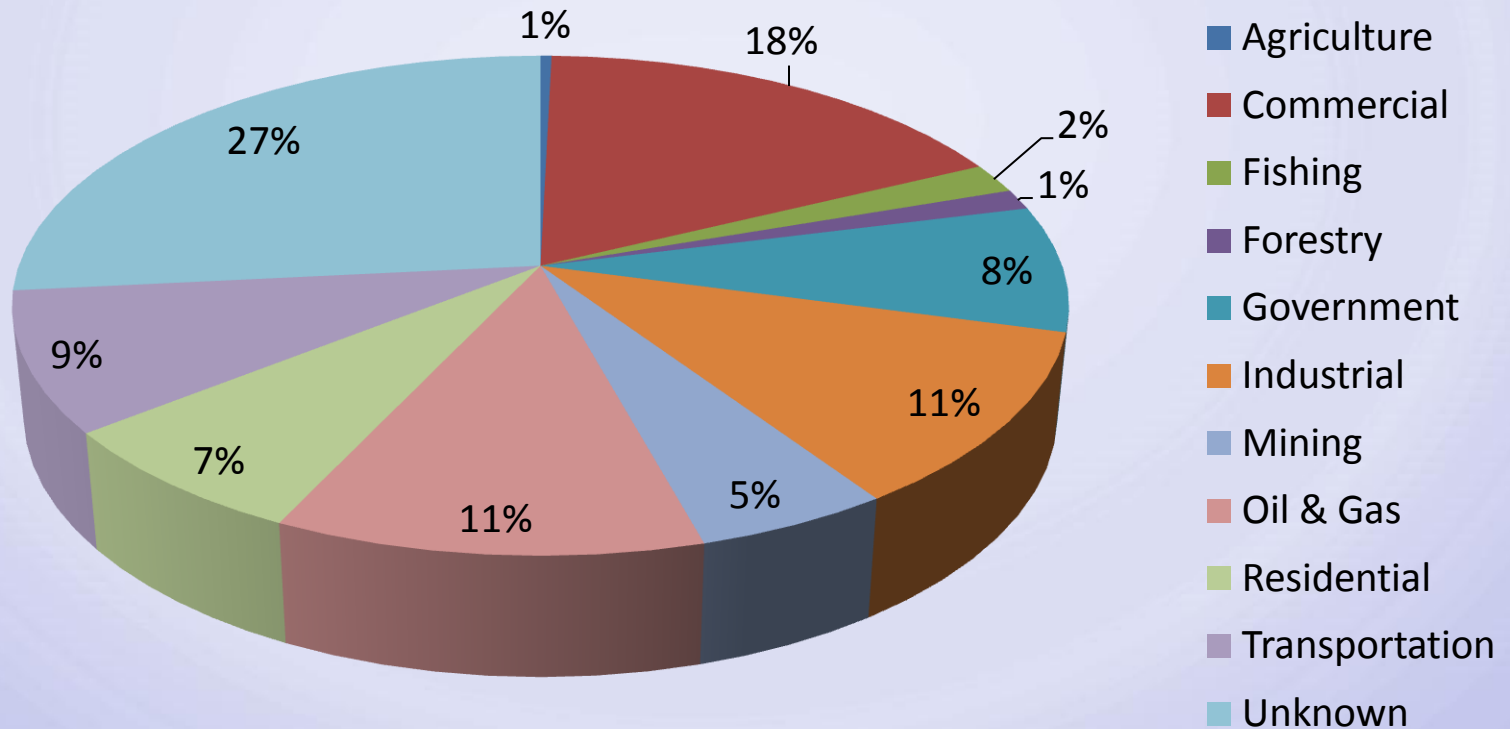


## Spills Report Analysis – Distribution by Sector (2011/2012 average)



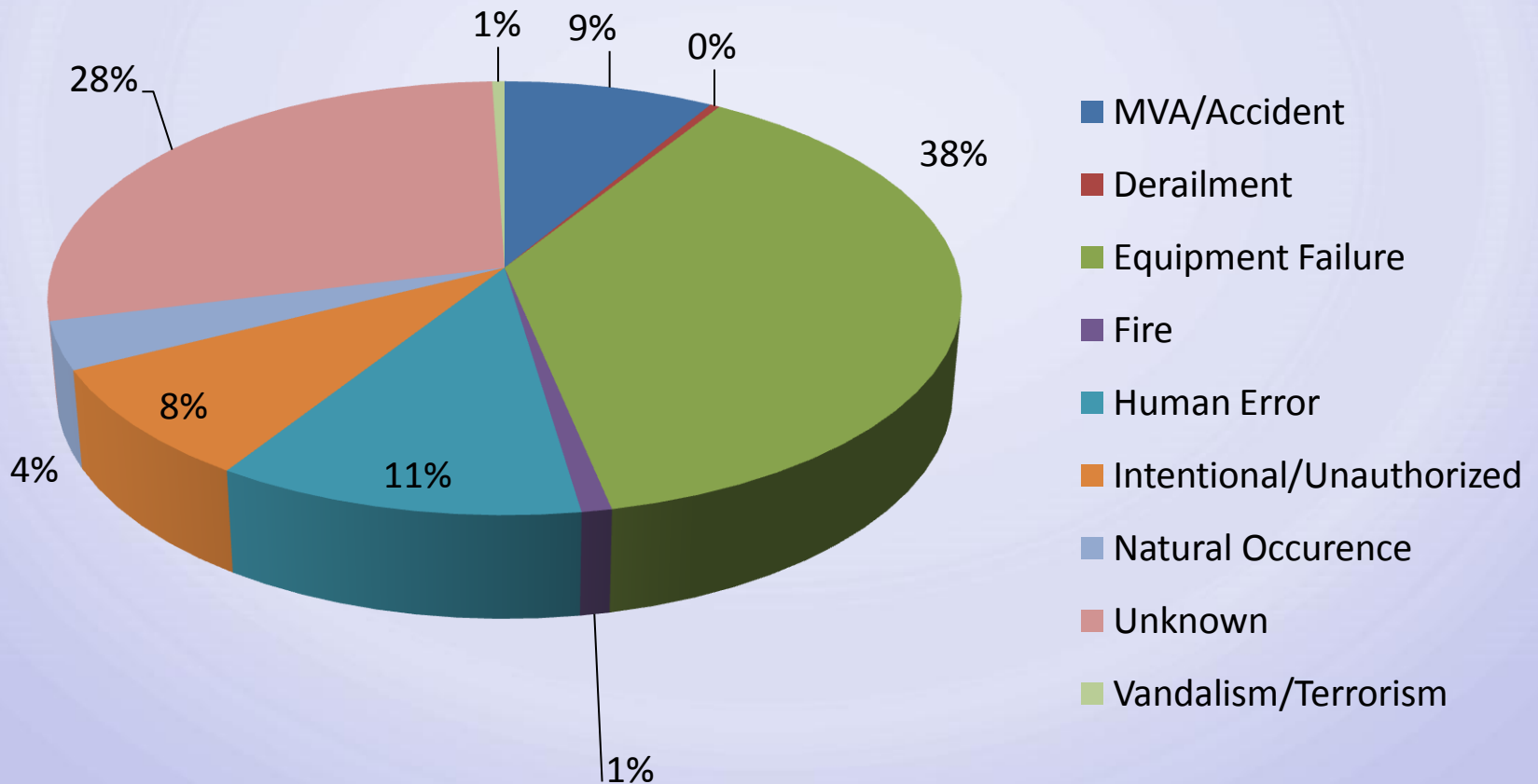


## Spills Report Analysis – Distribution by Sector (2011/2012 average)





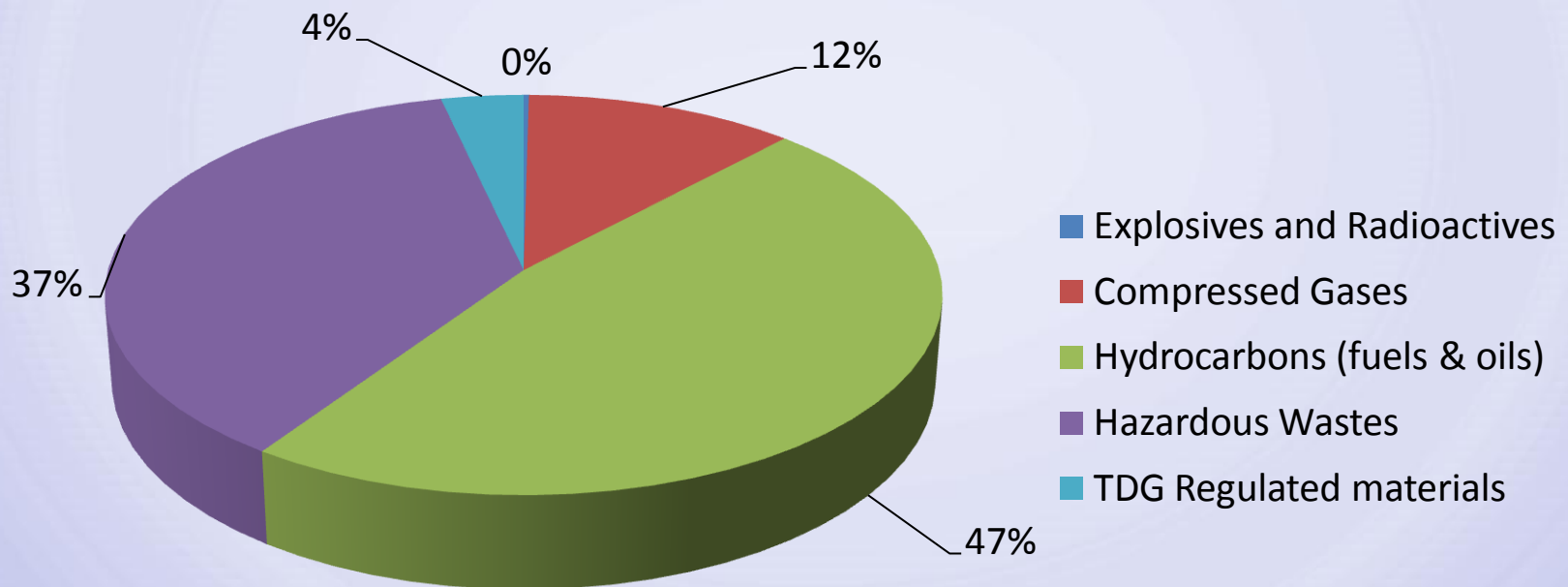
# Spill Reports Analysis – Unverified Cause of Spill (2011/2012 average)





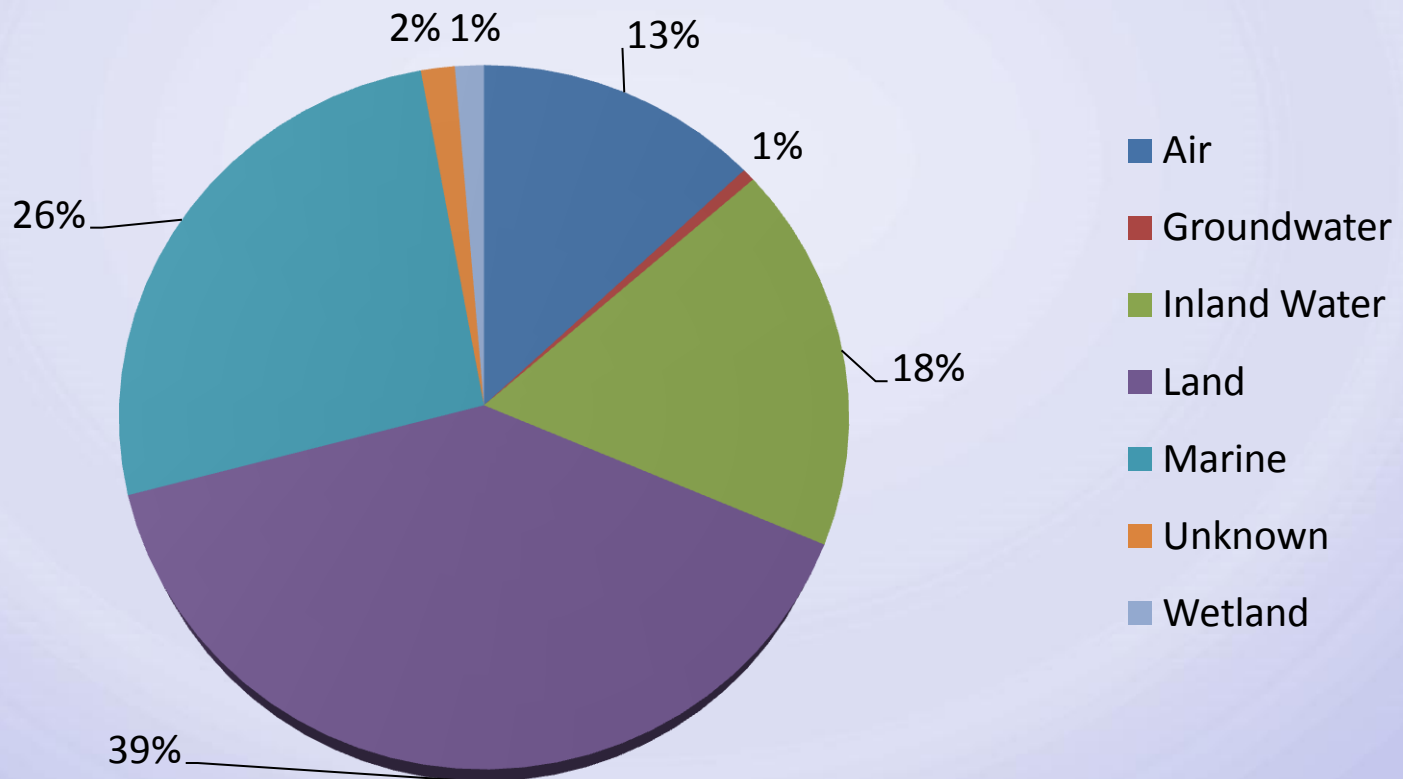


## Spills Reports Analysis – Hazardous/Harmful Materials (2011/2012 average)





## Spill Reports Analysis – Impacted Environment (2011/2012 average)





## Spill Reports Analysis – Examples of Major Spill Events attended by MOE (2005-2012)

- Robson Bight Barge Incident – cargo of logging equipment and vehicles containing diesel, gasoline and hydraulic fluids spilled into marine environment and impacted coastal shoreline.
- Queen of the North – sinking of ferry resulted in diesel fuel, light oil, hydraulic fluid, stern tube oil discharged into marine environment and impacted coastal shoreline.
- Motor Vessel departing Squamish dock punctured fuel tank spilling Bunker C oil to marine environment and impacted coastal shoreline.



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## Spill Reports Analysis – Examples of Major Spill Events attended by MOE (2005-2012)

- Cheakamus River Train Derailment - resulted in spill of sodium hydroxide to land and river environments.
- Train Derailment at the confluence of the Fraser and Thompson Rivers – resulted in spill of coal into the river environment.
- Train Derailment near Valemount – resulted in spill of coal into wetland environment that drained to the Fraser River.



## Spill Reports Analysis – Examples of Major Spill Events attended by MOE (2005-2012)

- Burnaby pipeline incident – resulted in discharge of oil onto land. Oil entered storm water drainage systems and entered Burrard Inlet (marine environment).
- Goldstream River Transport Truck accident – resulted in gasoline and diesel spilled to land and river environments.
- Transport truck accident near Williams Lake – resulted in copper ore concentrate and diesel fuel spilled to land and wetland.
- Illegal dumping near Golden – intentional dumping of unknown corrosive.