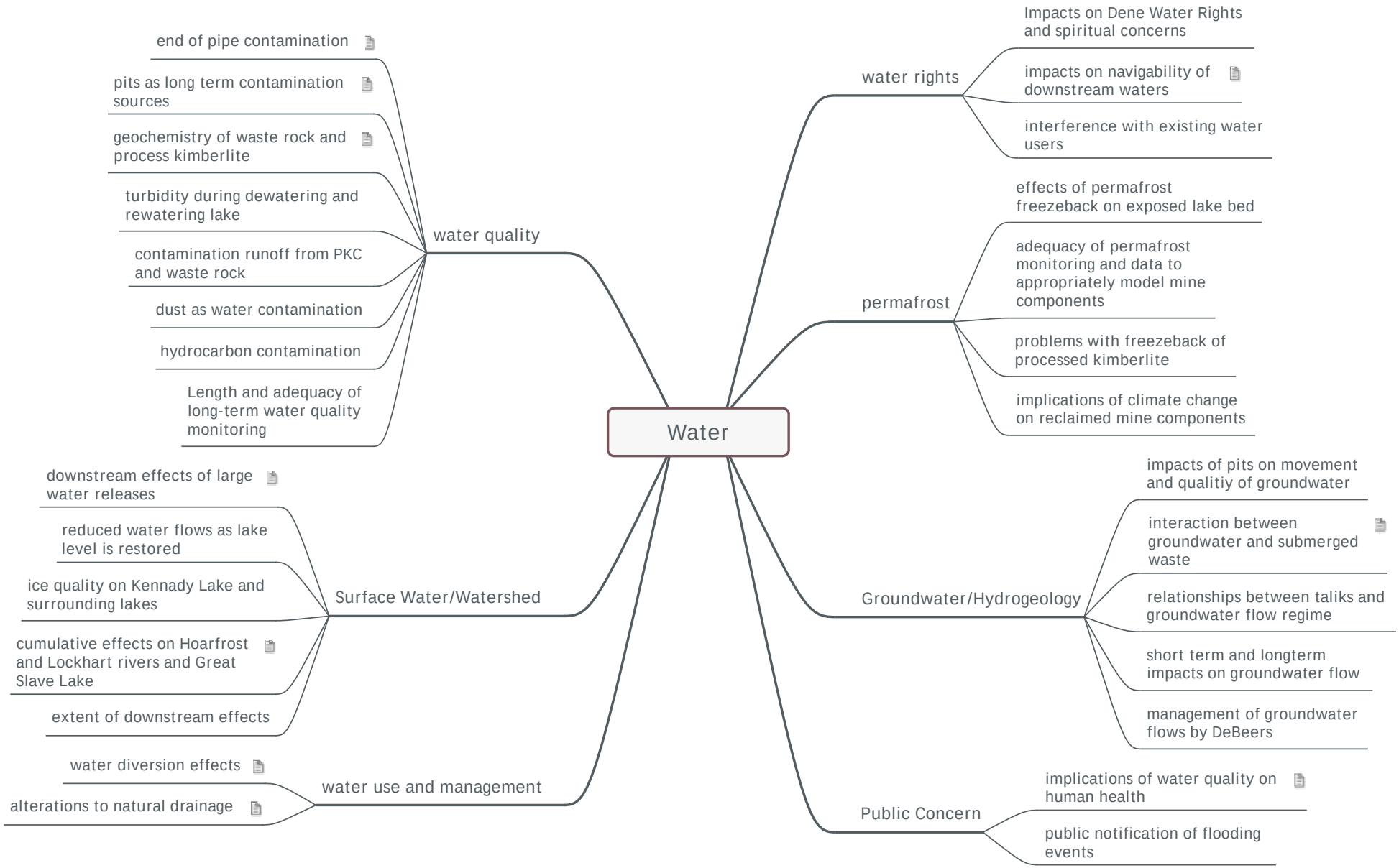
Water
water quality
end of pipe contamination
pits as long term contamination sources
geochemistry of waste rock and process kimberlite
turbidity during dewatering and rewatering lake
contamination runoff from PKC and waste rock
dust as water contamination
hydrocarbon contamination
Length and adequacy of long-term water quality monitoring
Surface Water/Watershed
downstream effects of large water releases
reduced water flows as lake level is restored
ice quality on Kennady Lake and surrounding lakes
cumulative effects on Hoarfrost and Lockhart rivers and Great Slave Lake
extent of downstream effects
water use and management
water diversion effects
alterations to natural drainage
water rights
Impacts on Dene Water Rights and spiritual concerns
impacts on navigability of downstream waters
interference with existing water users
permafrost
effects of permafrost freezeback on exposed lake bed
adequacy of permafrost monitoring and data to appropriately model mine components
problems with freezeback of processed kimberlite
implications of climate change on reclaimed mine components
Groundwater/Hydrogeology
impacts of pits on movement and qualitiy of groundwater
interaction between groundwater and submerged waste
relationships between taliks and groundwater flow regime
short term and longterm impacts on groundwater flow
management of groundwater flows by DeBeers
Public Concern
implications of water quality on human health
public notification of flooding events