Dynamics Of A Mine Aquifer System
Kingston, New York

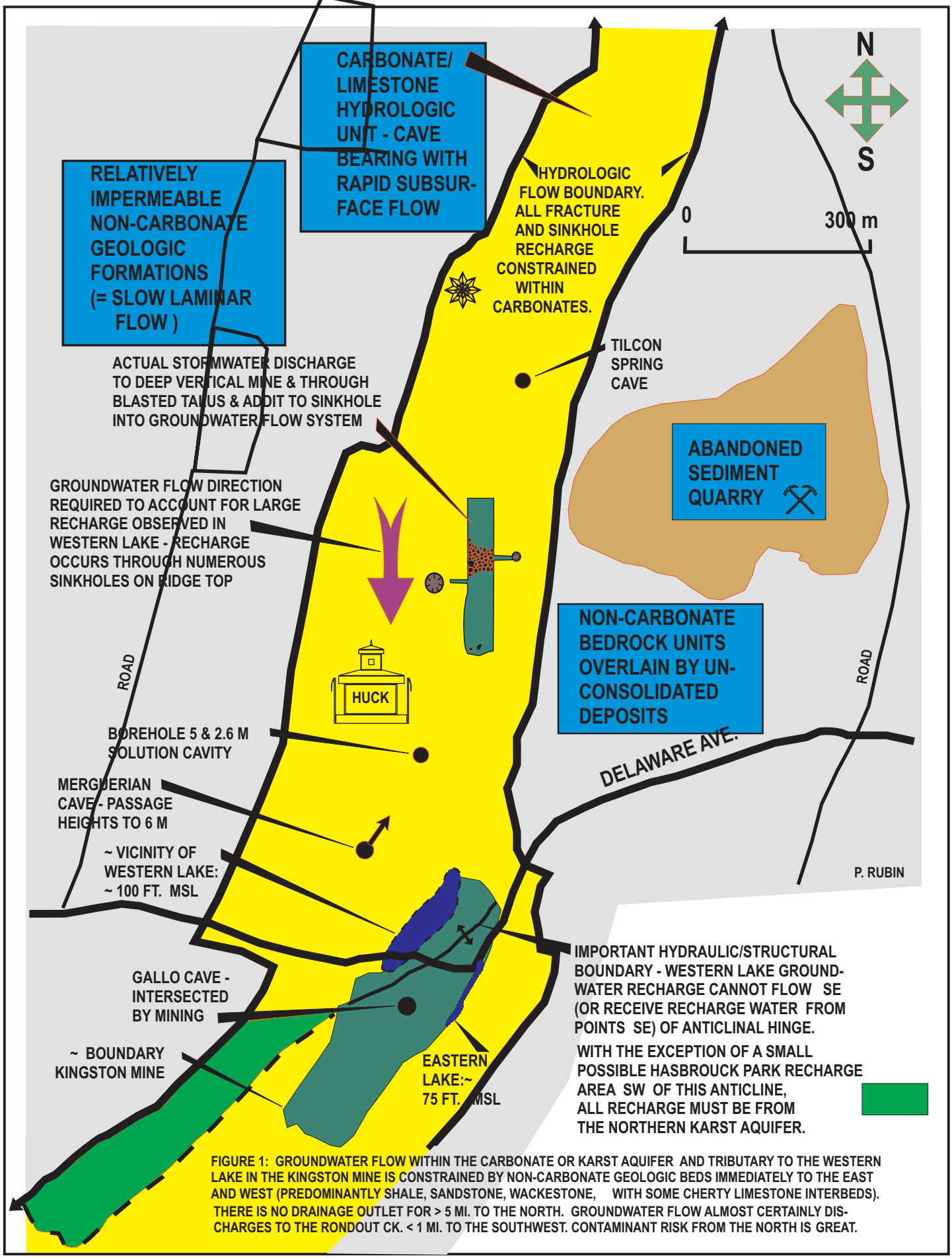

FIGURE 1: GROUNDWATER FLOW WITHIN THE CARBONATE OR KARST AQUIFER AND TRIBUTARY TO THE WESTERN LAKE IN THE KINGSTON MINE IS CONSTRAINED BY NON-CARBONATE GEOLOGIC BEDS IMMEDIATELY TO THE EAST AND WEST (PREDOMINANTLY SHALE, SANDSTONE, WACKESTONE, WITH SOME CHERTY LIMESTONE INTERBEDS). THERE IS NO DRAINAGE OUTLET FOR > 5 MI. TO THE NORTH. GROUNDWATER FLOW ALMOST CERTAINLY DISCHARGES TO THE RONDOUT CK. < 1 MI. TO THE SOUTHWEST. CONTAMINANT RISK FROM THE NORTH IS GREAT.