

Case 9: Moncton Sediment Compaction, CANADA

- Due to the external electric field the cations are moved away from the negative clay particles of the sediment as the particles induced to polarize
- H^+ created on the particle surface will react with iron and aluminium hydroxides and released the multivalent Fe^{3+} and Al^{3+} cations
- The clay particles adhere irreversibly to each other as the multivalent cations solidify the tighter structure and the water discharged by the electric field can not return to the space between them.

