

# LEGEND

Margin of major reef complexes of the middle Woodbend Group bounding the Ireton shale basin

Major reef chains, reef fields, and isolated reef occurrences of the middle Woodbend Group

Eastern limit of Winterburn Group East of this boundary Woodbend older beds form bedrock at Mesozoic erosion surface

Approximate location of transition zone from evaporites to dense limestone and dolomite, both of which form stable shelf back-reef deposits in the Woodbend Group

Approximate margin of Cooking Lake shoal or bank reef type of development. Basinward, the Cooking Lake thins or grades in to shale, the lowest unit of the Cooking Lake being the most extensive. Behind the margin, south and southeast towards the stable shelf, evaporites occur in the Cooking Lake formation

Isolated reef development in Duvernay formation

A ——— A'  
B ——— B'

For columnar sections of wells along line of section A-A' see Figure 2 Sheets 1,2,3 and for columnar sections of wells along line of section B-B' see Figure 3

Lines of sections and location of wells for Fence diagram see Figure 4

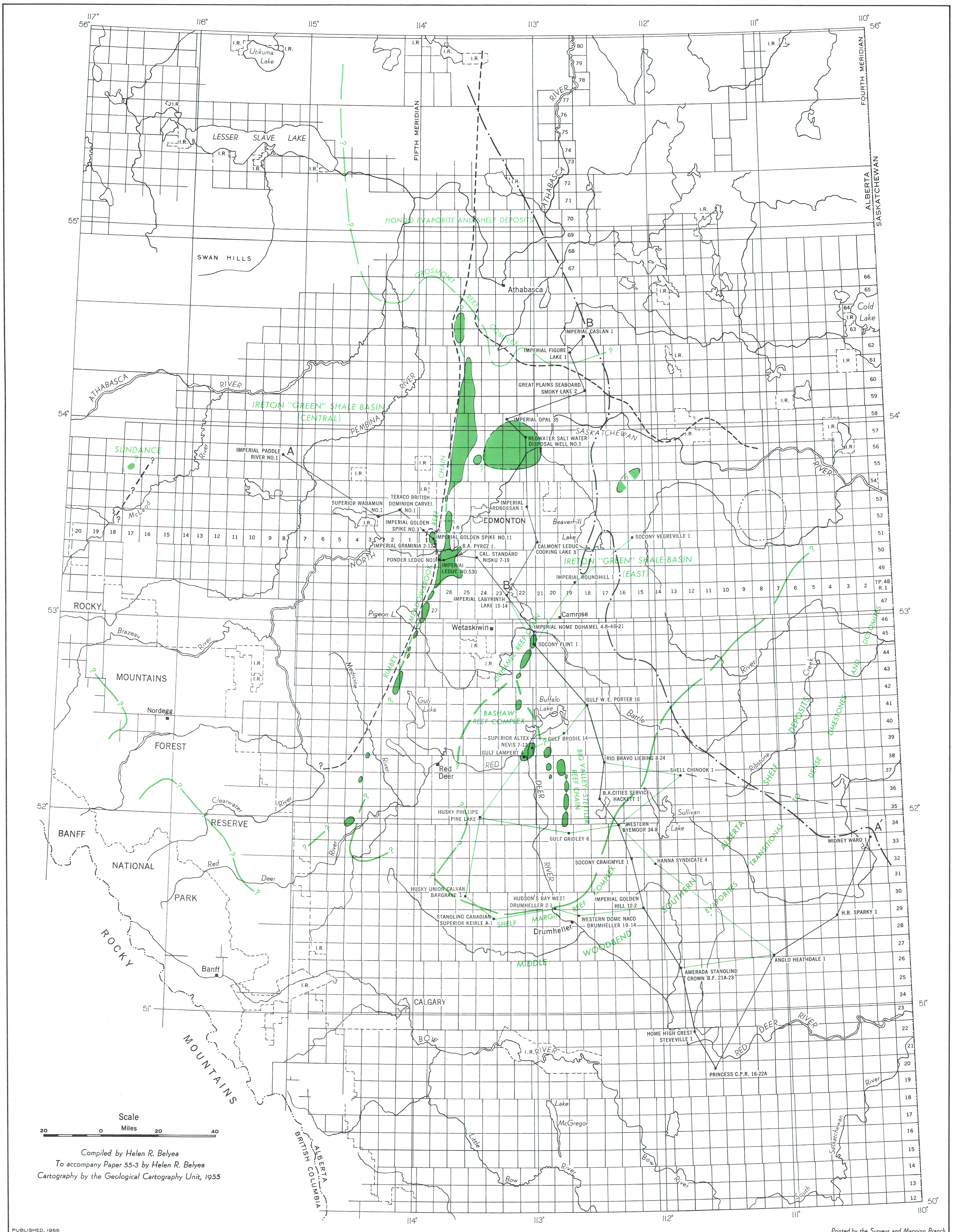


Figure 1

Index map showing location of the southern Alberta shelf margin reef complex. The Bashaw and Grosmont reef complexes and the major reef chains, fields, and isolated reef occurrences of the Woodbend group are indicated. Although shown as straight lines the outlines of the reefs and the distribution of the reefs in any chain may be irregular.