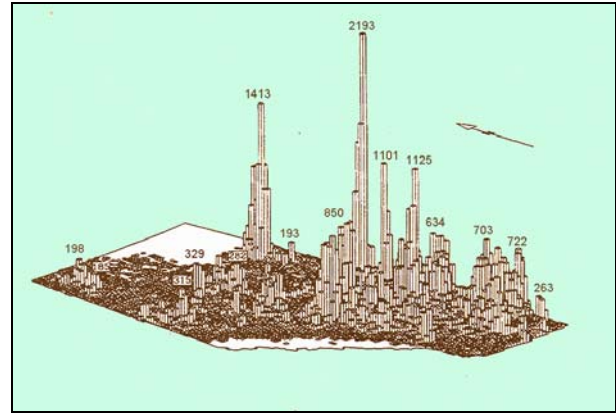


# Report on the environmental effect of the Alberta Petroleum Industry; joint venture with Alberta Environment and the Alberta Cattle Commission

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<b>Project Location:</b>	Alberta
<b>Client(s):</b>	Alberta Cattle Commission
<b>Date Completed:</b>	1995
<b>Project Budget:</b>	\$ 90,000

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Density of Petroleum Industry Wells in Alberta per 100 km<sup>2</sup> as of 1993.

## Project Summary

Upon initiation by the Alberta Cattle Commission, a review of available international scientific literature and previous investigations within Alberta were undertaken in cooperation with the Vegreville Alberta Environmental Centre of Alberta Environment. A four person WDA team was responsible for all technical topics but for direct impact evaluation on cattle.

A 900 page report was prepared encompassing sources and chemistry of contaminants, contaminant pathways in air, water and soil, impact on cattle, impact reduction, as well as regulations and guidelines.

## Services Provided

- \* Search for and evaluation of international and national literature on the above topics.
- \* Search for and evaluation of Alberta-specific consultant's reports and data on the above topics.
- \* Calculation of a series of numerical models dealing with the effect of petroleum wells on groundwater flow.
- \* Preparation of a summarizing report of findings and of a joint report of findings with Alberta Environment.

## Deliverables or Results

- \* preparation of a 900 page report summarizing all aspects of the impact of the petroleum industry on cattle raising in Alberta.