

# ENVIRONMENTAL STUDIES

## PRE-CRD ASSESSMENTS/STUDIES

### Underwood-McLellan and Associates (1965/1970)

- 1965 - primarily focused on economics; not sufficiently considered natural resources.
- 1970 - broader based study; focused on various diversion options on natural resource use.

### Lake Winnipeg, Churchill and Nelson Rivers Study Board (1971-1975)

- Biophysical, heritage, and socio-economic studies.
- Included Canada Department of Fisheries and Oceans/ Department of Energy, Manitoba (5 departments including Water Resources), universities, and several consulting firms;
- \$2,000,000 budget (1975\$) and 3 years of study; considered one of the most comprehensive studies of its time.
- The research conducted is still relevant today.

### MEARA Review: Proposal to Deviate from Interim License

- 1978, Hydro request to test CRD over a greater range of flows.
- The review included: winter and open water tests; erosion and water quality studies; and annual erosion monitoring reports.
- 1979, the Minister of Mines, Natural Resources, and Environment stated that there were no objections on environmental grounds.



Stabilized shoreline at Nelson House old settlement site

## CRD STUDIES AND MONITORING

### A broad range of CRD studies have been conducted including:

- CRD Erosion Monitoring (1981-Present)
- Federal, Provincial Mercury Monitoring Program (1982-1986)
- Long-term Mercury Monitoring Studies (1991-Present)
- Provincial Ecological Monitoring Program (1985-1989)
- Augmented Flow Program assessments
  - 1987 - Shawinigan and InterGroup Consultants study
  - 1989 - A collaborative study was conducted with the Northern Flood Committee to evaluate the effects of the AFP on the communities of Nelson House, Split Lake, and York Landing.
- Federal Ecological Monitoring Program (1986-1992)
- Limestone GS Assessment and Monitoring Studies (1985-2003)

## ONGOING / FUTURE MONITORING

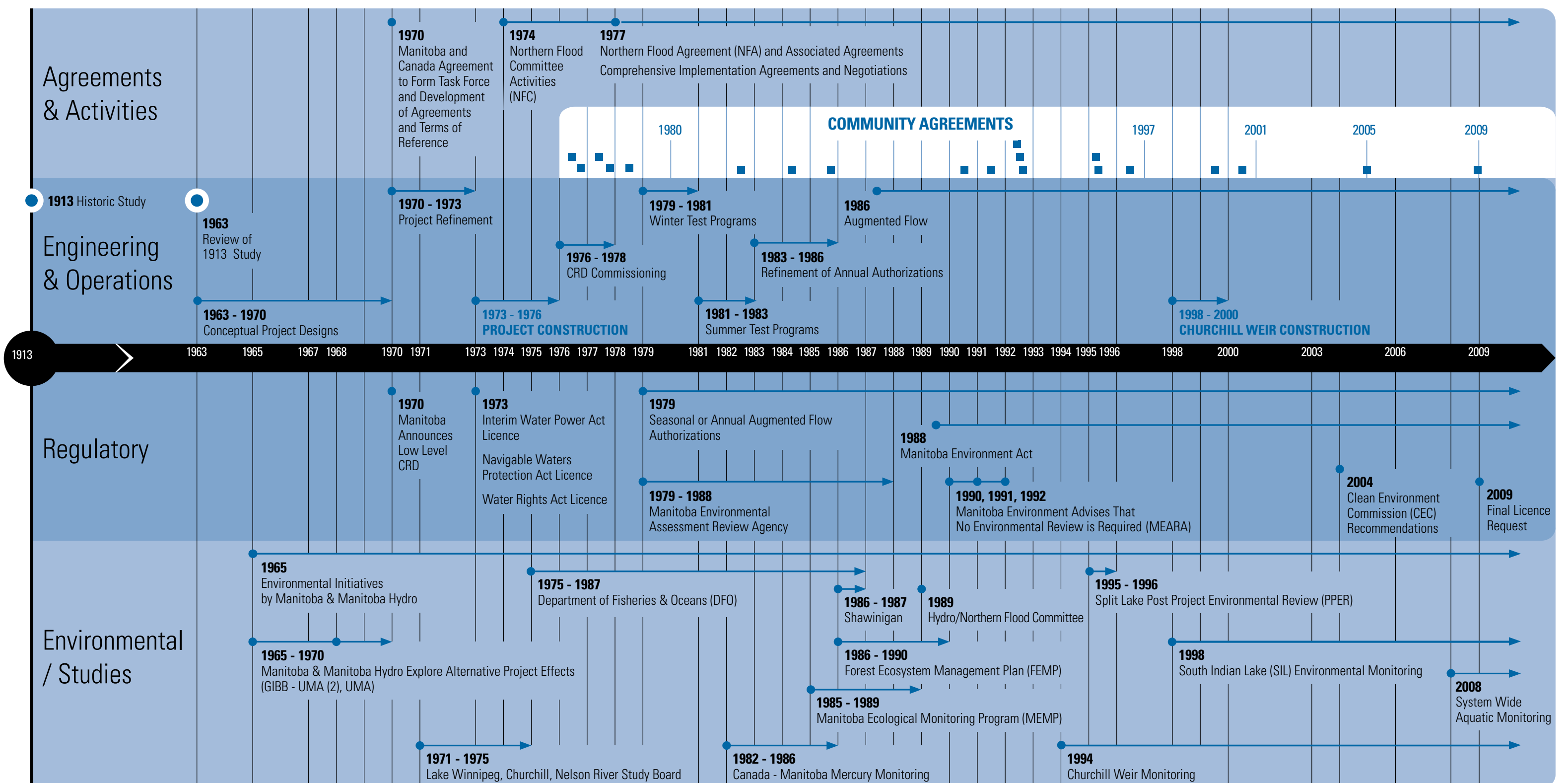
### Coordinated System Wide Monitoring

- Coordinated Aquatic Monitoring Pilot Program (CAMPP) (since 2007) to provide long-term data on the physical, chemical, and biological condition of Hydro affected waterways. (Parameters include water quality, lower trophic levels, and fish populations.)

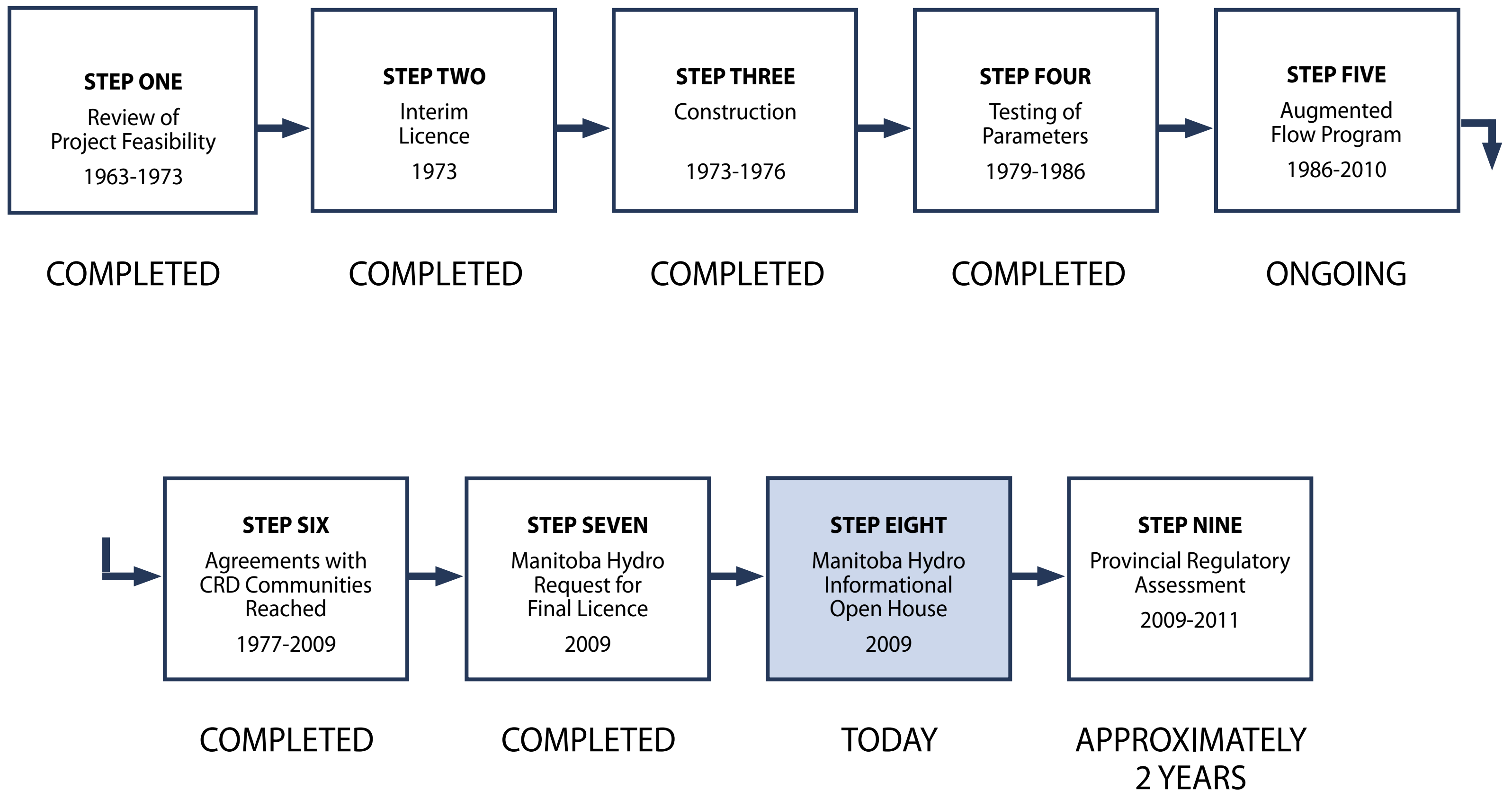
### Site Specific

- Churchill River Weir Assessment and Monitoring Studies (since 1994)
- SIL Environmental Monitoring Program (since 2003)
- Future Development Studies (since 1998)
- Site-specific programs (e.g., the Wuskwatim Aquatic Effects Monitoring Program, future developments monitoring commitments) will continue to be conducted and the information will be incorporated into CAMPP where appropriate.

# CHURCHILL RIVER DIVERSION TIMELINES



# WHERE WE ARE TODAY



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and leave it with us today, or

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[publicaffairs@hydro.mb.ca](mailto:publicaffairs@hydro.mb.ca), or

Mail the completed  
comment form to:



1994 – Lower Churchill River

## CHURCHILL RIVER DIVERSION LICENCE FINALIZATION

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THANK YOU

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