

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

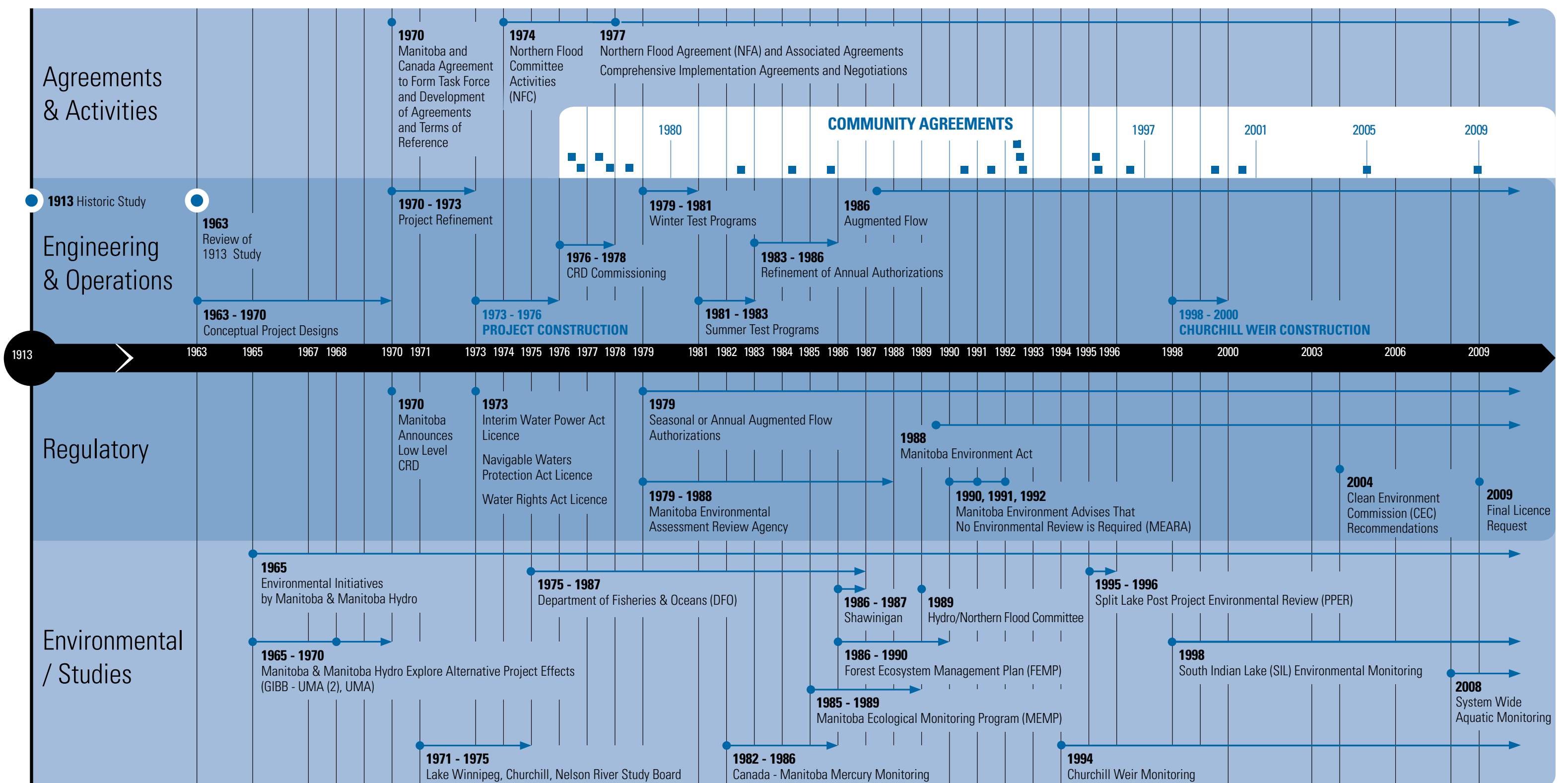
Coordinated System Wide Monitoring

- 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.)

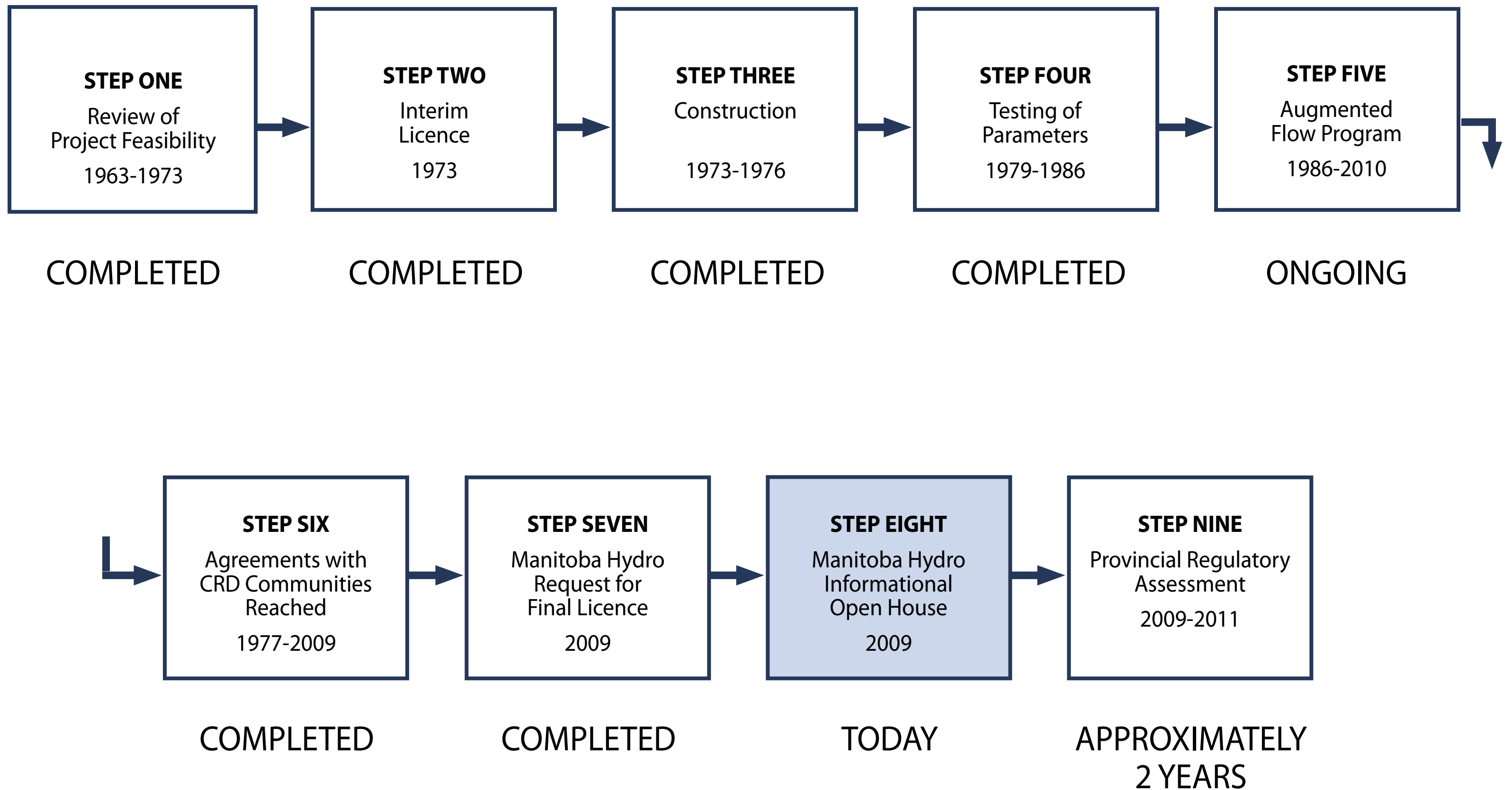
Site Specific

- 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



WE INVITE YOU TO PROVIDE FEEDBACK:

Fill out a comment form
and leave it with us today, or

Email your comments to
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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