Figure 7-2: Pathways of Industrial Impacts on the Culture of Fort McKay

Pre-Development Baseline (1960s)

- Community supported by mixed economy of hunting, trapping, gathering; sale of furs; later, some seasonal wage work

Select Traditional Activities Measured:
- Hunting
- Trapping
- Fishing
- Berry Picking
- Education
- Visiting
- Raising Children

Fort McKay Community Work, Work for Industry

Direct Oil Sands Industry Stressors
- Loss of Land (e.g., land disturbance)
- Pollution (e.g., impacts to air and water quality)
- Industrial Water Use (e.g., decreased water quantity)

Indirect Oil Sands Industry Stressors
- Access to Land (e.g., decreased access for Community hunters, trappers, gatherers)
- Increased Non-Aboriginal Population (e.g., increased presence of non-Community members using the land)

Current Case (2008)

Select Traditional Activities Impacted
- Hunting
- Trapping
- Fishing
- Gathering

Activities fueled by Regional Industrial Development (1960s–2008)
- Work for Industry
- Work for Fort McKay

Stressors on Traditional Activities from Industrial Development & Examples of Measuring Change in Industry Stressors
- Access to Land (e.g., increased linear disturbance, changes to Traditional Trapline)
- Loss of Land (e.g., changes to wildlife habitat and plant gathering areas)
- Pollution (e.g., impacts to groundwater quality, industry affects on air quality)
- Wage Economy (e.g., # of Community members working for industry)
- Increased Population (e.g., regional population growth; # of hunting permits)
- Industrial Water Use (e.g., change in flow and % of disturbance in watershed)

Select Traditional Activities Impacted
- Raising Children
- Education
- Visiting

Stressors on Traditional Activities from Industrial Development & Examples of Measuring Change in Industry Stressors
- Loss of Land which alters opportunity to teach traditional knowledge (e.g., % loss of Community traplines)
- Wage Economy affects people time and schedules (e.g., # of Community members working for industry)
- Access to Land near the Community changes how frequently people share traditional environmental knowledge (e.g., % of land disturbance within a 20 km radius of Fort McKay)
- Increased Population which decreases feelings of safety when on the land (e.g., # of camps within 20 km radius of Fort McKay and population of camps)

1700 through 1960s
Traditional Way of Life
(Traditional Activities)

Self: Tradition
- Maintained: Peace
- Strengthened or strengthened: Purpose
- Weakened: Respect

Cohesion/Bonding
- Strengthened or strengthened: Cooperation
- Maintained: Connectedness
- Weakened: Rootedness

Caring
- Strengthened or strengthened: Purpose
- Maintained: Peace
- Weakened: Respect

Respect
- Strengthened or strengthened: Bonding
- Maintained: Rootedness
- Weakened: Cooperation

Self: Rootedness
- Maintained: Peace
- Weakened: Purpose

Tradition
- Strengthened or strengthened: Bonding
- Maintained: Cooperation
- Weakened: Respect

Bonding
- Strengthened or strengthened: Cooperation
- Maintained: Purpose
- Weakened: Rootedness

Cooperation
- Strengthened or strengthened: Purpose
- Maintained: Peace
- Weakened: Respect

Caring
- Strengthened or strengthened: Connectedness
- Maintained: Rootedness
- Weakened: Cooperation

Respect
- Strengthened or strengthened: Bonding
- Maintained: Cooperation
- Weakened: Purpose

Peace
- Strengthened or strengthened: Cooperation
- Maintained: Purpose
- Weakened: Rootedness

Purpose
- Strengthened or strengthened: Cooperation
- Maintained: Peace
- Weakened: Rootedness

Rootedness
- Strengthened or strengthened: Cooperation
- Maintained: Purpose
- Weakened: Respective

Connectedness
- Strengthened or strengthened: Cooperation
- Maintained: Peace
- Weakened: Rootedness

Correlation of Traditional Activities Measured:
- Hunting Changes - Impacts on Core Cultural Values
- Trapping Changes - Impacts on Core Cultural Values
- Fishing Changes - Impacts on Core Cultural Values
- Gathering Changes - Impacts on Core Cultural Values

Impacts on Cultural Heritage:
- Pre-Development Baseline (1960s)
- Current Case (2008)

1700 through 1960s
Core Cultural Values Maintained
(how impacts on cultural heritage are measured)

Self: Tradition
- Maintained: Respect
- Strengthened or strengthened: Rhythm of Nature

Cohesion/Bonding
- Strengthened or strengthened: Rootedness
- Maintained: Cooperation

Caring
- Maintained: Purpose
- Strengthened or strengthened: Connectedness

Respect
- Strengthened or strengthened: Bonding
- Maintained: Rootedness

Self: Rootedness
- Maintained: Peace
- Strengthened or strengthened: Purpose

Tradition
- Strengthened or strengthened: Bonding
- Maintained: Cooperation

Bonding
- Strengthened or strengthened: Cooperation
- Maintained: Purpose

Cooperation
- Strengthened or strengthened: Purpose
- Maintained: Peace

Caring
- Strengthened or strengthened: Connectedness
- Maintained: Rootedness

Respect
- Strengthened or strengthened: Bonding
- Maintained: Cooperation

Peace
- Strengthened or strengthened: Cooperation
- Maintained: Purpose

Purpose
- Strengthened or strengthened: Cooperation
- Maintained: Peace

Rootedness
- Strengthened or strengthened: Cooperation
- Maintained: Purpose

Connectedness
- Strengthened or strengthened: Cooperation
- Maintained: Peace

Figure 7-2: Pathways of Industrial Impacts on the Culture of Fort McKay