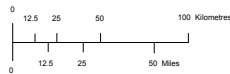


KEEYASK



Projection: UTM NAD 83, Zone 14
 Data Sources: Game hunting areas, water - Manitoba Conservation; Study areas - ECOSTEM Ltd.
 Created By: ECOSTEM Ltd.
 Date Created: July 14, 2009

Game Hunting Areas in Northern Manitoba

Figure B4-6

Appendix B5

Socio-economic Information

Table B5-1: Local Region Communities Covered by Statistics Canada Data	
First Nation	Community in Local Region to which Statistics Canada Data Applies
Tataskweyak	Split Lake
War Lake	Ilford
York Factory	York Landing
Fox Lake	Bird

Table B5-2: Population Distribution for Gillam and Thompson 2001 and 2006 ²				
Age Group	Gillam 2001	Gillam 2006	Thompson 2001	Thompson 2006
Total¹	1,175	1,210	13,255	13,445
0 - 4	110	105	1240	1,140
5 - 9	150	115	1255	1,210
10 -14	95	125	1235	1,250
15 - 19	85	75	1120	1,170
20 - 24	60	105	890	995
25 - 29	75	85	940	1,020
30 - 34	100	105	1165	1,050
35 - 39	160	105	1230	1,095
40 - 44	90	125	1065	1,190
45 - 49	95	75	975	1,000
50 - 54	75	95	940	855
55 - 59	45	50	555	640
60 - 64	10	25	325	400
65 - 69	10	15	160	210
70 - 74	5	10	70	110
75 +	10	0	85	95
% of Population over the age of 15	69.8%	71.9%	71.8%	73.1%
Source: Statistics Canada (2002, 2007)				
Notes:				
1. Population totals and individual cells are rounded to ensure confidentiality.				
2. 2001 and 2006 population data – 100%				

**Table B5-3: Population Distribution for KCN Communities
(Tataskweyak Cree Nation at Split Lake, War Lake First Nation at Ilford,
York Factory First Nation at York Landing,
And Fox Lake Cree Nation at Fox Lake 2 (Bird)) 2001 and 2006^{1,2}**

Age Group	Split Lake 2001	Split Lake 2006	Ilford 2001	Ilford 2006	York Landing 2001	York Landing 2006	Fox Lake 2 (Bird) 2001	Fox Lake 2 (Bird) 2006
Total³	1,581	1,819	143	116	420	415	145	105
0 - 4	185	240	15	10	50	50	15	5
5 - 9	210	210	20	10	60	50	25	5
10 -14	200	230	15	15	55	50	10	15
15 - 19	150	195	0	5	25	40	15	5
20 - 24	135	135	15	0	40	30	5	10
25 - 29	120	140	15	15	45	25	10	5
30 - 34	145	115	10	10	30	40	10	10
35 - 39	100	135	5	5	30	20	5	5
40 - 44	90	100	15	10	25	30	15	10
45 - 49	60	95	10	10	15	30	10	15
50 - 54	55	70	10	10	25	15	0	5
55 - 59	35	50	0	5	10	10	10	0
60 - 64	35	40	5	0	10	5	5	0
65 - 69	45	45	5	5	0	5	10	10
70 - 74	25	20	0	0	0	0	0	0
75 +	25	20	0	0	10	10	5	0
% of Population over the age of 15	64.5%	63.8%	62.9%	64.7%	63.1%	62.7%	69.0%	71.4%

Source: Statistics Canada (2002, 2007)

Notes:

1. Statistics Canada refers to the Indian Reserves of Tataskweyak Cree Nation, War Lake First Nation, York Factory First Nation, and Fox Lake Cree Nation respectively as Split Lake, Ilford, York Landing and Fox Lake 2 (Bird).
2. 2001 and 2006 population data – 100%
3. Population totals and individual cells are rounded to ensure confidentiality.

Table B5-4: Population Distribution For Northern Manitoba and Manitoba 2001 and 2006 ¹				
Age Group	Northern Manitoba² 2001	Northern Manitoba 2006	Manitoba 2001	Manitoba 2006
Total³	82,435	84,600	1,119,580	1,148,400
0 - 4	8,795	8,615	70,675	68,100
5 - 9	9,375	8,830	80,345	73,840
10 -14	8,810	9,150	82,695	83,235
15 - 19	7,430	8,065	80,420	83,825
20 - 24	5,655	6,070	72,850	77,750
25 - 29	5,955	5,505	70,400	70,250
30 - 34	6,070	5,650	72,775	70,725
35 - 39	6,230	5,735	87,405	73,660
40 - 44	5,725	5,915	89,725	88,080
45 - 49	4,825	5,470	82,340	89,730
50 - 54	4,250	4,615	73,370	81,845
55 - 59	2,915	3,700	55,420	71,730
60 - 64	2,160	2,505	44,740	53,755
65 - 69	1,535	1,855	40,750	78,930
70 - 74	1,040	1,200	37,815	36,815
75 +	1,675	1,695	77,855	82,965
% of Population over the age of 15	67.3%	68.6%	79.1%	83.6%
Source: Statistics Canada (2002, 2007)				
Notes:				
1. 2001 and 2006 population data – 100%				
2. Northern Manitoba region defined by Statistics Canada as census divisions 19, 21, 22 and 23.				
3. Population totals and individual cells are rounded to ensure confidentiality.				

Appendix B5-2

**Manitoba Hydro
Camp Regulations
Keeyask Infrastructure Project**

The Keeyask Infrastructure Project camp practices and enforces a Zero Tolerance Policy in all areas of the facility. This includes, but is not limited, to verbal/physical abuse, sexual harassment and vandalism and illegal Drugs. Smoking is permitted in designated areas only. Smoking in any non-smoking area is subject to a \$500 fine and/or loss of accommodation privileges.

1. A person who has been assigned a room in Camp may not change rooms without the consent of the Camp Administrator (or Delegate).
2. Janitorial Service is provided and includes the making of beds, changing of linen, cleaning floors. The occupants of a room are responsible for tidiness of that room. Janitorial Services do not include picking up items from floor i.e. laundry, boots, etc.
3. Persons who have been assigned to a room are liable for all damage to that room, and all costs incurred in repairing such damage will be charged to the occupant(s).
4. Electric heating appliances of any kind (for example, hotplates, irons, toasters, kettles, heaters, etc.) other than those provided by the camp owner, are not to be used in the rooms.
5. All persons shall take reasonable precautions to avoid causing a nuisance or disturbance to other persons in the Camp. Quiet time is from 11:00 PM to 07:00 AM. Fighting is strictly prohibited.
6. No person shall engage in any activity which is in violation of *The Liquor Control Act* or *The Controlled Drugs and Substances Act* (or successor legislation) while within the camp area.
7. No person shall engage in any gambling activity which is in violation of the gambling laws of the Province of Manitoba while within the camp area.
8. There shall be no tampering with fire protection and prevention equipment. Any person who is found tampering with such equipment will be prosecuted.
9. Smoking is strictly prohibited at any Manitoba Hydro site except in designated areas. No smoking is permitted within 10 meters of any building entrance. Smoking is not permitted in dorm rooms or any other buildings. Any person who causes a fire of any sort in any of the facilities at site will be liable for all resulting damages. Caution is to be exercised with cigarettes, cigars, etc. near the camp buildings and forested areas. All cigar and cigarette butts are to be discarded in approved disposal containers.
10. Except as may be specifically otherwise provided, Manitoba Hydro will not be liable for loss or damage to personal belongings of persons occupying rooms within the Camp, whether the loss or damage is due to fire, theft, negligence or any other cause.
11. Accidents and sickness must be immediately reported to the worker's employer.

12. Defective camp equipment must be reported to the Camp Office as soon as it is noticed. Defective camp equipment must not be repaired or tampered with by unauthorized persons.
13. Firearms are strictly prohibited in the Camp and Project site area.
14. All persons are required to register at the Camp Office on arrival at the camp and on departure from the camp. Providing that this check-out procedure is followed, rooms will normally be held for the length of the approved leave. No unregistered guests allowed in the rooms.
15. All persons leaving the camp must report to the Security Office. In the interest of safety, persons leaving for recreational purposes are encouraged to report their plans to the Security Office.
16. Identification cards are issued upon arrival, and remain the property of Manitoba Hydro. Identification cards are to be available at all times. The Security Patrol is authorized to request identification of all persons. Manitoba Hydro may require the return of identity cards at any time, to modify or cancel them. Individuals are responsible for their identity cards and will be charged for the replacement cost (\$15.00) if a card is lost or not returned when they check out of camp. Exchanging keys or rooms without permission is not permitted. Allowing/Swiping unauthorized guests into any areas, such as Gym, Lounges and Dining Rooms will result in loss of site privileges.
17. All persons must display their identification at meals. Meals will be served at specified hours in the designated dining area. All dishes, trays, etc. must be returned to the designated area.
18. Pets are not permitted in any of the camp buildings or in the camp area. The feeding of any animals in the camp area is prohibited and is a chargeable offence by Manitoba Conservation under *The Wildlife Act*.
19. Women are not allowed to enter the men's bunkhouses, and men are not allowed to enter the women's bunkhouse unless married accommodations are provided.
20. Any person finding an object that may be of archaeological significance shall leave it in place and report it to the Manitoba Hydro Camp office immediately.
21. No person shall urinate or defecate in any area of the Camp other than in the appropriate locations in the washrooms. All persons shall leave the washrooms in a reasonable state of cleanliness after use.
22. No person shall litter or commit acts of vandalism in any area of the Camp.
23. It is expressly agreed and understood that the use and occupation of the Camp facilities is not intended to create, as between Manitoba Hydro and those persons occupying rooms in the camp, the relationship of landlord and tenant within the meaning of *The Landlord and Tenant Act*, Chapter L70 in the continuing Consolidated Statutes of Manitoba, and that the

right to remain in the camp may be revoked by Manitoba Hydro at any time and without notice.

24. All camp issued items must be returned upon check-out.
25. Personal vehicles are to be parked in designated areas only and are not to be used for transportation to the worksite unless written permission is obtained from the resident Site Manager (or his designate), and in that event, drivers must comply with all worksite regulations.
26. Hats or head wear, dirty boots, gym clothing and work clothing, including coveralls and Personal Protective Equipment (PPE) are not allowed in the dining or sandwich rooms.
27. Parking is permitted in designated areas only. Any vehicles parked improperly or unregistered may be towed or disposed of at the guest's expense. Vehicles parked improperly will receive and \$80 fine.

Manitoba Hydro corporate policy G598 & D595

**VIOLATIONS OF ANY OF THESE REGULATIONS MAY RESULT IN IMMEDIATE
EVICTON FROM THE CAMP.**

MAJOR OFFENCE: Any incident which involves the following:

- a) Fire or misuse of fire fighting equipment, or tampering with fire protection and/or fire prevention equipment;
- b) Vandalism, possession of a firearm, or smoking in bed;
- c) Bodily assault on a member of the security police, caterers or Corporation personnel involved in camp operations;
- d) Circumstances that, in the judgment of the Camp Administrator with the concurrence of the Camp Eviction Committee, constitute a major offence;
- e) Third minor offence.

MINOR OFFENCE: Any incident which violates the posted Camp rules and is not a major offence.

I have received a copy of the above Camp Regulations.

I have read them or have had them read to me, I understand them and agree to abide by the rules.

Print Name: _____

Signature of Employee

Date Signed

Witnessed By: _____
Camp Office Attendant

The Camp Manager may withdraw your camp accommodation and privileges if you violate posted camp rules and regulations (C.O.P.P. 11.08).

- If you commit a major offence (D595), you are evicted from camp and are denied camp accommodation and privileges at all Manitoba Hydro camps for a period of one year or longer.
- If you commit a minor offence (D595), you may be evicted from camp and may be denied camp accommodation and privileges at that camp for a period of 3 months.

-

1. Disciplinary Action

In addition to camp eviction, Manitoba Hydro has the right to impose other disciplinary action such as suspension or dismissal as outlined in Discipline (G594).

2. Camp Reinstatement

Your Camp accommodation and privileges are reinstated automatically when the eviction period expires.

The Camp Administrator may deny your reinstatement because of your repeated offences.

CAMP RULES

1. Firearms & Offensive Weapons

Firearms or offensive weapons are prohibited in the Camp or Project worksite area (Camp Regulation No. 13). These items must remain at the Security Office outside of the Project area. These items are identified, tagged and locked in a cabinet by Security until the resident chooses to use them outside the area. The owner is given a portion of the claim tag to allow them to claim their property at a later date. When the owner claims his/her property, both sections of the claim tag are destroyed and the transaction is recorded in Security's register.

2. Recreational Vehicles

Personal recreational vehicles (i.e., snowmobiles, ATVs, boats) are not permitted at the worksite.

3. Alcohol

No alcohol will be permitted to be in possession or consumed by any residents in the Camp dormitories. .

4. Loss of accommodation keys

Each resident will leave a \$5.00 deposit when registering in Camp; in the event the key is lost the subsequent deposit will be \$25.00 for the second loss and \$50.00 for the third. Loss of keys represents a security concern and the costs associated with re-cores will be covered by this increase in deposits.

5. No Visitors

Non-employees are not permitted to visit the Camp or Construction site.

Note: Infractions of any of the Camp Regulations or these rules may result in disciplinary action being taken, which could include a warning letter, eviction from camp, assessment for damages, and/or criminal prosecution.

Appendix B6

Heritage Resources Information

METHODS OF SURVEY

The investigation of the access road, adjacent borrows locations and portions of the proposed Project Footprint consisted of aerial and pedestrian surveys conducted between 2002 and 2005. A total of 66 shovel tests were carried out (Table 3.6-1); of these 5 were positive for artifacts. These positive tests were located on the north bank of the Nelson River at Keeyask Rapids.

Table B6-1: Shovel Tests Completed for the Keeyask Infrastructure Project

	Date	Region	Result	UTMX	UTMY
1	July 30/05	N. Access Road	Negative	358948	6250424
2	July 30/05	N. Access Road	Negative	358949	6250376
3	July 30/05	N. Access Road	Negative	358943	6250384
4	July 30/05	N. Access Road	Negative	358928	6250437
5	July 30/05	N. Access Road	Negative	358924	6250489
6	July 30/05	N. Access Road	Negative	358921	6250936
7	July 30/05	N. Access Road	Negative	358892	6250568
8	July 31/05	N. Access Road	Negative	350656	6253413
9	July 31/05	N. Access Road	Negative	350782	6253397
10	July 31/05	N. Access Road	Negative	350870	6253422
11	July 31/05	N. Access Road	Negative	351019	6253393
12	July 31/05	N. Access Road	Negative	351201	6253401
13	July 31/05	N. Access Road	Negative	351416	6253398
14	July 31/05	N. Access Road	Negative	351535	6253390
15	July 31/05	N. Access Road	Negative	349015	6253720
16	July 31/05	N. Access Road	Negative	348862	6253803
17	July 31/05	N. Access Road	Negative	348712	6253894
18	July 31/05	N. Access Road	Negative	348558	6253958
19	July 31/05	N. Access Road	Negative	348391	6254063
20	July 31/05	N. Access Road	Negative	348081	6254247
21	July 31/05	N. Access Road	Negative	347885	6254405
22	July 31/05	N. Access Road	Negative	347776	6254442
23	July 31/05	N. Access Road	Negative	346765	6254332

Table B6-1: Shovel Tests Completed for the Keeyask Infrastructure Project

	Date	Region	Result	UTMX	UTMY
24	July 31/05	N. Access Road	Negative	346458	6254356
25	July 31/05	N Access Road	Negative	346322	6254452
26	July 31/05	N Access Road	Negative	346184	6254583
27	Aug 1/05	N Access Road	Negative	343988	6254620
28	Aug 1/05	N Access Road	Negative	344177	6254598
29	Aug 1/05	N Access Road	Negative	344337	6254543
30	Aug 1/05	N Access Road	Negative	344435	6254473
31	Aug 1/05	N Access Road	Negative	344502	6254403
32	Aug 1/05	N Access Road	Negative	338864	6258456
33	Aug 1/05	N Access Road	Negative	338974	6258350
34	Aug 1/05	N Access Road	Negative	340580	6257491
35	Aug 1/05	N Access Road	Negative	340786	6257332
36	Aug 1/05	N Access Road	Negative	340931	6257166
37	Aug 1/05	N Access Road	Negative	342876	6254925
38	Aug 1/05	N Access Road	Negative	342735	6254957
39	Aug 1/05	N Access Road	Negative	342554	6255005
40	Aug 1/05	N Access Road	Negative	342436	6255112
41	July 23/04	Gull Lake	Negative	356938	6248315
42	July 23/04	Gull Lake	Positive	356938	6248315
43	July 23/04	Gull Lake	Negative	356938	6248315
44	July 23/04	Gull Lake	Negative	356938	6248315
45	May 29/03	Gull Camp	Negative	363924	6246982
46	May 29/03	Gull Camp	Negative	363926	6246970
47	May 29/03	Gull Camp	Negative	363914	6246964
48	May 29/03	Gull Camp	Negative	363908	6246975
48	May 29/03	Gull Camp	Negative	363886	6247074
50	May 29/03	Gull Camp	Negative	363868	6247066
51	May 29/03	Gull Camp	Negative	363849	6247013

Table B6-1: Shovel Tests Completed for the Keeyask Infrastructure Project

	Date	Region	Result	UTMX	UTMY
52	May 29/03	Gull Camp	Negative	363942	6246966
53	May 29/03	Gull Camp	Negative	363950	6246978
54	May 29/03	Gull Camp	Negative	363892	6246958
55	May 29/03	Gull Camp	Negative	363874	6246987
56	May 29/03	Gull Camp	Negative	363876	6247077
57	May 29/03	Gull Camp	Negative	363865	6247067
58	July 16/03	Borrow/Access Road	Negative	352773	6253162
59	July 16/03	Borrow/Access Road	Negative	352782	6253201
60	July 16/03	Borrow/Access Road	Negative	352950	6253164
61	July 16/03	Borrow/Access Road	Negative	352969	6253165
62	July 16/03	Borrow/Access Road	Negative	353027	6253082
63	July 16/03	Borrow/Access Road	Negative	352989	6253143
64	July 16/03	Borrow/Access Road	Negative	353010	6253120
65	July 16/03	Borrow/Access Road	Negative	352032	6253273
66	July 16/03	Borrow/Access Road	Negative	352080	6253276
67	July 16/03	Borrow/Access Road	Negative	351927	6253398
68	July 16/03	Borrow/Access Road	Negative	352025	6253287
69	July 17/03	Borrow/Access Road	Negative	352107	6253273
70	July 16/03	Borrow/Access Road	Negative	358846	6250652
71	July 16/03	Borrow/Access Road	Negative	359049	6250731
72	July 16/03	Borrow/Access Road	Negative	358964	6251263
73	July 16/03	Borrow/Access Road	Negative	358910	6250813
74	July 16/03	Borrow/Access Road	Negative	358939	6251181
75	July 16/03	Borrow/Access Road	Negative	361940	6250641
76	July 16/03	Borrow/Access Road	Negative	361991	6250588
77	July 16/03	Borrow/Access Road	Negative	361922	6250684
78	July 17/03	Borrow/Access Road	Negative	361761	6250674
79	Aug 22/02	North Bank River	Negative	363445	6247380

	Date	Region	Result	UTMX	UTMY
80	Aug 22/02	North Bank River	Negative	363443	6247370
81	Aug 22/02	North Bank River	Negative	363966	6247224
82	Aug 22/02	Below Keeyask	Negative	365071	6247795
83	Aug 23/02	North Bank River	Positive	366518	6247026
84	Aug 23/02	North Bank River	Positive	366515	6247021
85	Aug 23/02	North Bank River	Positive	366518	6247021
86	Aug 23/02	North Bank River	Positive	366518	6247020
87	Aug 24/02	North Bank River	Negative	369103	6247745

Table B6-2. Cultural Chronology Based on Select Technology.		
<i>Archaeological Period</i>	<i>Technology</i>	
	<i>Container Type</i>	<i>Food Procurement</i>
Late Historic Period “Nationhood” (ca. 130 – 70 B.P.)	Porcelain Tableware Earthenware Dinnerware Stoneware Storage Jars Tin Cans	Repeating Rifles Automatic Shotguns
Middle Historic Period “Formative Stage II” (ca. 179 – 130 B.P.)	Earthenware Dinnerware Stoneware Storage Jars Copper Pots/Kettles	Breach Loading Rifles/ Shotguns Percussion Cap Muskets
Early Historic Period “Formative Stage I” (ca. 360 – 179 B.P.)	Copper Pots/Kettles	Flintlock Muskets/Shotguns Projectile Points <ul style="list-style-type: none"> • Metal • Side-notched • Late Taltheilei
Late Pre-Contact Period “Initial and Terminal Woodland Cultures” (ca. 2200 - 360 B.P.)	Clay Vessels: <ul style="list-style-type: none"> • Selkirk (Late Woodland) • Clearwater Lake Punctate • Duck Bay Punctate • Blackduck (Middle Woodland) • Laurel (Early Woodland) 	Bow & Arrow Bone harpoons Nets Projectile Points <ul style="list-style-type: none"> • Side-notched • Eastern and Plains Triangular • Avonlea • Besant/Sonota • Middle Taltheilei
Middle Precontact Period “Archaic Cultures” (ca. 6500 - 2200 B.P.)	Fiber Baskets/Bags Animal Viscera/Hide	Atlatl Bone harpoons Nets? Projectile Points <ul style="list-style-type: none"> • Larter Tanged - Pelican Lake • Duncan/Hanna/McKean • Old Copper • Raddatz • Oxbow • Early Taltheilei
Early Precontact Period “Palaeo Cultures” (ca. 12000 – 6500 B.P.)	Fiber Baskets/Bags Animal Viscera/Hide	Spear Bone harpoons? Projectile Points <ul style="list-style-type: none"> • Agate Basin • Plano

APPENDIX C

OVERVIEW OF ENVIRONMENTAL PROTECTION PROGRAM

INTRODUCTION

Environmental protection is a fundamental component of planning, construction and operation of a project. This section describes the Environmental Protection Program (the Program) that the Keeyask Hydropower Limited Partnership Inc. will implement. The General Partner of the Keeyask Hydropower Limited Partnership will retain Manitoba Hydro to manage the Keeyask Infrastructure Project (the Project), including the adverse environmental effects of the Project during construction.

C.1 MANITOBA HYDRO'S COMMITMENT TO ENVIRONMENTAL PROTECTION

Manitoba Hydro is committed to protect and preserve natural environments and heritage resources affected by its projects and facilities. This commitment and a commitment to continually improve environmental performance is demonstrated through the company's Environmental Management System, which is ISO 14001 certified.

Environmental protection can only be achieved with the full engagement of Manitoba Hydro employees, consultants and contractors at all stages of projects from planning and design through construction and operational phases.

As stated in the Corporate Environmental Management Policy:

“Manitoba Hydro is committed to protecting the environment. In full recognition of the fact that corporate facilities and activities affect the environment, Manitoba Hydro integrates environmentally responsible practices into its businesses, thereby:

- *preventing or minimizing any adverse effects, including pollution, on the environment, and enhancing positive effects;*
- *continually improving our Environmental Management System;*
- *meeting or surpassing regulatory requirements and other commitments;*
- *considering the interests and utilizing the knowledge of our customers, employees, communities, and stakeholders who may be affected by our actions;*
- *reviewing our environment objectives and targets annually to ensure improvement in our environmental performance; and*
- *documenting and reporting our activities and environmental performance.”*

Manitoba Hydro's environmental management policy has been used to guide the development of the environmental protection program for the proposed Project. Implementation of the program is practical application of the policy and will demonstrate Manitoba Hydro's dedication to environmental stewardship.

C.2 KEYYASK CREE NATIONS PRINCIPLES

Principles that guide the **Keeyask Cree Nations'** objectives regarding respect for the land include the following:

- (a) adopting measures that increase, to the extent ecologically reasonable, the abundance of species and/or growing conditions for species that have special social or economic importance for the **Keeyask Cree Nations**;
- (b) employing strategies that “go with” rather than “go against” nature, as they have a much higher probability of success;
- (c) planting species and promoting site conditions that are widespread in the sub-region in which the **Keeyask Project** is located, rather than planting species and promoting site conditions that may be popular in more southern areas; and
- (d) being respectful of the **Keeyask Cree Nations'** traditional relationships with the land.

Measures that may be considered to comply with the above principles include:

- (a) altering existing soil, topography and hydrology as little as possible;
- (b) anticipating ecosystem dynamics and fitting in with how the habitat would develop over time; and
- (c) attempting to create conditions that promote selected species (for example, narrow-leaved Labrador tea).

C.3 PURPOSE AND SCOPE

The primary purpose of the environmental protection program is to ensure that construction of the proposed Project will be consistent with Manitoba Hydro's corporate environmental policy, KCN's principles, and to ensure compliance with all regulatory requirements. The purpose of the program is to clearly outline what measures will be put in place to mitigate adverse environmental effects and what will be monitored to verify predictions made in this EA report. If unexpected effects are detected during monitoring, the protection program defines the process for what measures will be taken to mitigate them.

The program for the proposed Infrastructure Project will consist of the following:

- An implementation strategy for the program which includes contractual arrangements, training, compliance inspection and communication of results;
- A Preliminary Environmental Protection Plan (EnvPP) (for all work included in the proposed Project);

- Erosion and sediment control measures (which are part of tender documents and included in the EnvPP); and
- Monitoring and Management Plans which include an Infrastructure monitoring plan for terrestrial, aquatic and heritage resources, a Socio-economic Monitoring Plan and Preliminary Access Management Plan (AMP).

C.4 PROGRAM DEVELOPMENT

The environmental protection program includes the ‘who, what, where and how’ aspects of protecting and monitoring the environment within the Project Area during the development of the proposed Project. The Program is being developed based on the issues identified in the EA report, construction activities required to complete the work, regulatory requirements and with traditional knowledge from Keeyask partners. The Program will be subject to review and amendment based on the outcome of the licensing process. If any additional mitigation measures and/or monitoring requirements arise, they will be incorporated into EnvPP and monitoring plans for the proposed Project.

Analysis of environmental issues leads to resolutions that are implemented during different phases of a project. Some issues can be mitigated at the design stage by making modifications to physical works, i.e. deciding on road alignment for this Project. The environmental effects that cannot be mitigated during the design stage are managed at the construction stage through the measures that are identified in the EA report and outlined in the EnvPP, and project-specific erosion and sediment control measures.

The effects that cannot be mitigated must be monitored - a monitoring plan is used to study the effectiveness of mitigation measures used while assessing residual expected or unforeseen effects. A monitoring plan also outlines monitoring that will confirm or negate predictions of no adverse effect.

Some effects that are not a direct result of construction activities, but are linked to the Project due to new access can be managed. An AMP is a tool to control access to the construction site and serves both a safety and wildlife protection role.

The implementation strategy defines the ‘who’ part of the Program by outlining the roles and responsibilities for the delivery of the plans. An implementation strategy is not a stand-alone document, but it is outlined below and the parts are included as applicable in the various plans.

C.5 ENVIRONMENTAL PROTECTION IMPLEMENTATION

In order to put the plans developed for the Program into practice, a number of activities need to occur prior to and during construction of the Project. The following items constitute the Program’s implementation strategy.

C.5.1 TENDERS/CONTRACTS

Environmental requirements including the EnvPP and erosion and sediment control measures are included as part of the documents that make up the tender package for the work. Inclusion of environmental protection measures in the tender requires potential bidders to budget and base their work on meeting the environmental requirements and conducting activity in an environmentally acceptable manner. Fulfillment of the plans then becomes a contractual arrangement for the selected contractor.

C.5.2 TRAINING AND ORIENTATION

Prior to construction the Environmental Inspector will receive training on the duties required to fulfill the job expectations effectively. A training program will be developed on the specific issues related to the proposed Project and on how to use the EnvPP, perform inspection, incident reporting and emergency response. The Environmental Inspector will also learn what resources are available to assist in the event an environmental issue arises.

It is intended that all contractor staff and Manitoba Hydro project personnel will be familiar with the components of the environmental protection program and particularly the EnvPP as it has direct implications on day to day work. The EnvPP will be thoroughly reviewed with Contractors at pre-job meetings and copies of the EnvPP will be distributed by the Environmental Inspector for relevant members of the contractor's staff.

C.5.3 WORKING WITH CONTRACTORS

Meetings will be held with the Project Manager, Environmental Inspector and the contractors to outline environmental requirements, establish roles and responsibilities, review emergency and contingency plans, and to ensure a mutual understanding of environmental protection measures and procedures. Regular meetings will be held with the contractor to discuss Project-related issues including environmental compliance.

C.5.4 ROLES AND RESPONSIBILITIES

Identifying the roles of responsibilities of project staff and supporting groups is necessary to ensure that all elements of the environmental protection program are implemented. The following roles must be filled and the responsibilities of each role clearly understood.

- The Project Manager has ultimate authority and responsibility for all aspects of construction, including environmental protection, and erosion and sediment control implementation, implementation of the Access Management Plan and regulatory compliance.
- An Environmental Inspector will monitor compliance with the EnvPP, conduct daily construction site inspections, coordinate emergency response with the contractor, and report on any incidents to the Project Manager.
- Contractors perform work in accordance with the EnvPP, licences and permits, and applicable regulations and guidelines.

- Manitoba Hydro’s Environmental Licensing and Protection Department is responsible for implementing the monitoring plan for biophysical and heritage components, fulfilling reporting requirements to meet licence conditions and providing environmental support to project staff.
- Manitoba Hydro’s Aboriginal Relations Division and Economic Analysis Department are responsible for implementing the Socio-economic Monitoring Plan
- A Partners’ Regulatory and Licensing Committee (PRLC) will provide an advisory role for monitoring activities and will serve to communicate monitoring activities and results.

C.5.5 INSPECTION AND COMPLIANCE

Environmental inspection is an essential and key function in environmental protection and implementation of mitigation measures. The Environmental Inspector will be responsible for undertaking compliance monitoring of the work site to ensure that activities do not contravene legislation, regulation and guidelines, and the EnvPP. The inspector will visit active work sites daily and record all inspection activities. Any incidents of concern or non-compliance will be recorded on incident report forms and provided to the Project Manager who will then ensure appropriate actions to rectify the problem is conducted.

Following completion of road and camp construction and cleanup activities, a post-construction inspection will occur and a post-construction inspection report prepared.

The inspection will be carried out by the Project Manager or their delegate with a Manitoba Conservation Environment Officer and Regional NRO, to ensure compliance with the Environment Act Licence and associated work permits. If problem areas and/or deficiencies are identified, site-specific follow-up actions will be developed and agreed on to meet compliance. These areas will again be monitored to ensure deficiencies have been satisfactorily addressed.

C.5.6 Work Stoppage

Stopping construction activities will occur when situations or circumstances are encountered where unexpected effects are occurring to the environment or heritage resources that had not been previously assessed and mitigated. Individuals discovering unknown heritage resources or a circumstance related to a natural resource or human health and safety are to immediately inform their supervisor. In turn, the supervisor is required to report to the Project Manager or their delegate. Work or activity will not resume until the situation has been assessed and resolved.

The Project Manager, Construction Supervisor and Environmental Inspectors will all have authority to issue stop work orders. The contractor can also voluntarily stop work where circumstances indicate that some environmental or heritage damage could result from continuation of a particular activity.

C.5.7 Working with Regulators

Licences and regulatory approvals for the proposed Project require environmental and compliance monitoring and production of monitoring reports. Regulatory authorities will be notified by the Project Manager or their delegate of situations where the environment is effected that was not

previously predicted. Full cooperation will be given to representatives of environmental regulators conducting inspections and a project staff member will be available to escort the regulator during the visit around the construction site and answer questions and discuss concerns as required.

C.5.8 Environmental Protection Program Reports

Manitoba Hydro will prepare a report on compliance monitoring on behalf of the Partnership in connection with the EnvPP and erosion and sediment control provisions for submission to Manitoba Conservation.

Technical reports will also be generated on the activities and results of the monitoring plans and will be submitted as required by the Environment Act Licence.

A monitoring document will be generated annually summarizing the environmental monitoring and EnvPP compliance activities. These reports will be designed for a general readership and allow opportunity for interested parties to provide feedback on the Project as it is being developed.

C.6 Environmental Protection Plans

EnvPPs are tools, for project management to implement, that provide environmental protection measures that supplement project design, construction and operating specifications to prevent or minimize potential adverse environmental effects arising from the construction and operation of a project. They are designed for use as reference documents by field construction and operating personnel. EnvPPs prescribe practical measures to meet regulatory requirements for environmental protection specific to the project. The EnvPP is organized by construction component to assist project personnel in implementing appropriate measures specific to the work activity

The Keeyask Hydropower Limited Partnership has developed an EnvPP for the construction of the proposed Project. The EnvPP will be subject to review and amendment based on the outcome of the EA process.

The EnvPP is generated using information from a variety of sources to create a document that is project-specific. The following diagram (Figure C.6-1) illustrates the inputs used in the development of the EnvPP.

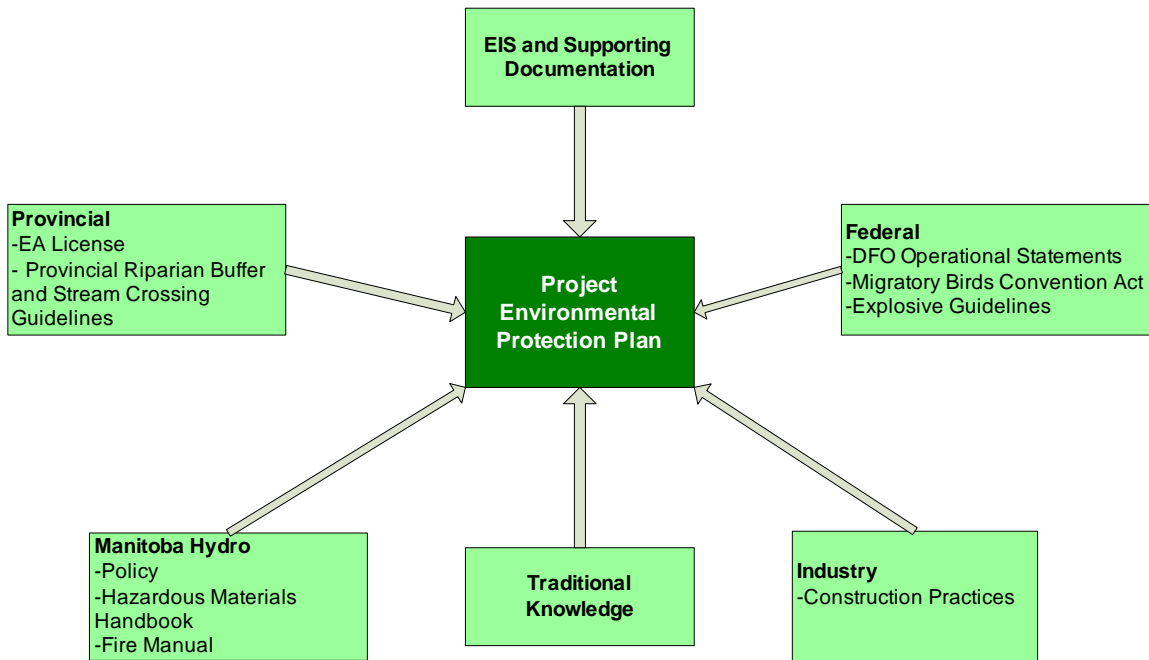


Figure C.6-1: Inputs to an Environmental Protection Plan

C.6.1 Components of the Preliminary Environmental Protection Plan

C.6.1.1 Environmental Protection Measures

Mitigation measures are reviewed for potential use and application in protection of a particular environmental component. Selection of appropriate mitigation measures is integral to the development of the EnvPP and involves input and review from engineering and environmental specialists as well as Project partners.

C.6.1.2 Timing Restrictions

Restriction on construction activities at certain times of the year are outlined in the EnvPP. These periods are normally in relation to critical periods for wildlife nesting, calving and spawning.

C.6.1.3 Maps

Environmental sensitivity maps have been created which show areas where specific sensitivities occur and where the mitigation measures are to be applied. The maps are a visual tool to help contractors apply the required protection measures in defined areas of concern. They show the road ROW and the sensitive areas in relation to the ROW. The maps also show **chainage** and GPS coordinates to ensure an accurate knowledge of location while using the maps.

C.6.1.4 Heritage Resource Protection

Heritage resource protection is the responsibility of all individual at the work site. The EnvPP explains what must be done if a heritage resource is discovered during construction activities.

C.6.1.5 Environmental Construction Monitoring

Environmental construction monitoring will be conducted by the onsite Manitoba Hydro Environmental Inspector. The Environmental Inspector will monitor Project activities for compliance with the EnvPP, erosion and sediment control measures, licenses, approvals, permits and guidelines. Inspection sheets are included in the EnvPP to guide the Environmental Inspector and inform the contractor of inspection activities. The process for reporting non-compliance issues is also explained.

C.6.1.6 Contractor Developed Plans

The EnvPP states that contractors must develop an emergency response plan and waste management plan for their work areas and activities. The EnvPP outlines what must be included in the plans. The plans will be submitted to and reviewed by the Project Manager.

C.6.1.7 Regulatory Guidance Documents

The EnvPP includes the pertinent provincial and federal procedures and guidelines for the work that is being undertaken.

C.7 Erosion and Sediment Control Measures

Specific Erosion and Sediment Control measures are addressed in the Tender Technical Specifications for the proposed Project. The erosion and sediment control measures include site specific requirements for erosion protection and sediment control and include engineering drawings and specifications for materials and methods to be used at each location where erosion and sedimentation have been identified as a concern.

C.8 Monitoring and Management Plans

Project-specific environmental monitoring plans are developed to follow-up on effect predictions made in the EA report. They are designed to verify predictions or identify unanticipated effects. Management plans are designed to mitigate possible indirect effects of the Project.

The following monitoring and management plans will be developed for the proposed Project:

C.8.1 Terrestrial, Aquatic and Heritage Resource Monitoring

A terrestrial, aquatic and heritage resource monitoring plan for the proposed Project will be developed primarily to study effects on the terrestrial environment as this is largely a terrestrial-based Project. However, aquatic monitoring to cover the work at Looking Back Creek and the

requirements for managing a heritage resource find will be included. Information in the EA report and the outcome of the licensing process will be incorporated into the plan to ensure that appropriate biophysical components are studied during construction and into operation of the proposed Project.

The monitoring plan will include both western science studies and Aboriginal Traditional Knowledge to gain a holistic understanding of changes to the environment as a result of the proposed Project. The methods used to study the environmental components and the frequency in which monitoring activities will occur is also outlined. As results become available they will be analysed to determine if adaptive management is required to mitigate unforeseen effects if they occur.

C.8.2 Socio-Economic Monitoring Plan

The Socio-economic Monitoring Plan will be developed to study the effects of the proposed Project on the partner communities. It will include tracking employment statistics and the economic activity that the proposed Project is generating.

C.8.3 Access Management Plan

The Preliminary Access Management Plan (Appendix E) is to provide safe, coordinated access to the Keeyask Infrastructure Project for authorized users. It supports sustainable use through the protection of the area's natural resources and provides worker orientation regarding respect for surrounding area, fisheries and wildlife resources, heritage resources and local communities.

APPENDIX D

PUBLIC CONSULTATION

SUMMARY OF KEY MEETINGS ON THE ACCESS ROAD ROUTE SELECTION

Table D-1 summarizes the timeline of public involvement activities related to the route selection process. Further details are provided in Sections 4.1.1 and 5.3 of the EA Report.

Table D-1: Summary of Key Meetings Regarding the Route Selection Process for the North Access Road			
Date of Meeting	Type of Meeting	Organizations Represented	Comments
July 7, 2005	Keeyask North Access Road Technical Sub-Committee Meeting 1	<ul style="list-style-type: none"> • Manitoba Hydro • Tataskweyak Cree Nation • York Factory First Nation 	<ul style="list-style-type: none"> • Initial planning meeting kick-off • Action item to expand Committee membership for next meeting.
July 22, 2005	Keeyask North Access Road Technical Sub-Committee Meeting 2	<ul style="list-style-type: none"> • Manitoba Hydro • Tataskweyak Cree Nation • York Factory First Nation • KGS/Acres • TetrES • North-South Consultants • Northern Lights Heritage Services 	<ul style="list-style-type: none"> • Started to discuss potential biophysical impacts of route alternatives
August 22, 2005	North Access Road Site Reconnaissance	<ul style="list-style-type: none"> • Not recorded 	<ul style="list-style-type: none"> • Site visit held at location of proposed north access road (fly over of routes)
August 23, 2005	Keeyask North Access Road Technical Sub-Committee Meeting 3 (held in Split Lake)	<ul style="list-style-type: none"> • Manitoba Hydro • Tataskweyak Cree Nation • York Factory First Nation • Fox Lake Cree Nation • KGS/Acres • TetrES • North-South Consultants • Northern Lights Heritage Services • InterGroup Consultants Ltd. • Manitoba Transportation and Government Services 	<ul style="list-style-type: none"> • Purpose of meeting was to: 1) discuss observation made at site-visit; 2) to propose an access route if possible; 3) to determine the next steps for committee • Conclusion from meeting was that committee members were unanimous in deciding that the final route should be close to the preferred route

**Table D-1: Summary of Key Meetings Regarding the
Route Selection Process for the North Access Road**

Date of Meeting	Type of Meeting	Organizations Represented	Comments
June 13, 2006	Community meeting with War Lake First Nation in Ilford	<ul style="list-style-type: none"> • No record of who attended. 	<ul style="list-style-type: none"> • Conclusion from the meeting in Ilford was that there were few concerns regarding the alignment of the road.
June 13, 2006	Community meeting in Gillam	<ul style="list-style-type: none"> • No record of who attended. 	<ul style="list-style-type: none"> • No changes to the route were suggested by participants.
June 14, 2006	Community meeting in Bird	<ul style="list-style-type: none"> • No record of who attended. 	<ul style="list-style-type: none"> • Conclusion from the meeting in Bird was that there were few concerns regarding the alignment of the road.

APPENDIX E

ACCESS MANAGEMENT PLAN

1.0 INTRODUCTION

1.1 KEYYASK HYDROPOWER LIMITED PARTNERSHIP

Keeyask Hydropower Limited Partnership (the “Partnership”) is a partnership established by Manitoba Hydro and its First Nation partners: Tataskweyak Cree Nation (TCN), War Lake First Nation (WLFN), operating together as the Cree Nation Partners (CNP); York Factory First Nation (YFFN) and Fox Lake Cree Nation (FLCN). Together the four Cree Nations are referred to as the Keeyask Cree Nations (KCN). The Limited Partnership is the proponent for the proposed Keeyask Infrastructure Project (the Project). Manitoba Hydro, as Project Manager, in turn will sub-contract much of the construction work to qualified KCN businesses and other contractors.

During the planning phase of the Project, work was undertaken collaboratively by Manitoba Hydro and the KCN. This Preliminary Access Management Plan (AMP) for the Project has been developed collaboratively, and has undergone a joint review and approval process.

The Partnership and Manitoba Hydro as the Project Manager are committed to implementing this AMP. Companies which sub-contract with Manitoba Hydro to do work on the Infrastructure Project will be required to follow the terms of this and other applicable project plans.

1.2 COMMITMENT TO ENVIRONMENTAL PROTECTION

Manitoba Hydro is committed to protect and preserve natural environments and heritage resources affected by its projects and facilities. This commitment and a commitment to continually improve environmental performance is demonstrated through the company’s Environmental Management System, which is ISO 14001 certified.

Environmental protection can only be achieved with the full engagement of Manitoba Hydro employees, consultants and contractors at all stages of projects from planning and design through construction and operational phases.

As stated in the Corporate Environmental Management Policy:

“Manitoba Hydro is committed to protecting the environment. In full recognition of the fact that corporate facilities and activities affect the environment, Manitoba Hydro integrates environmentally responsible practices into its businesses, thereby:

- *preventing or minimizing any adverse effects, including pollution, on the environment, and enhancing positive effects;*
- *continually improving our Environmental Management System;*
- *meeting or surpassing regulatory requirements and other commitments;*

- *considering the interests and utilizing the knowledge of our customers, employees, communities, and stakeholders who may be affected by our actions;*
- *reviewing our environment objectives and targets annually to ensure improvement in our environmental performance; and*
- *documenting and reporting our activities and environmental performance.”*

Manitoba Hydro’s environmental management policy has been used to guide the development of the environmental protection program for the proposed Project. Implementation of the program is practical application of the policy and will demonstrate Manitoba Hydro’s dedication to environmental stewardship.

In addition to Manitoba Hydro’s Policy, the Keeyask Cree Nations have developed the following Principles that guide the Keeyask Cree Nations’ objectives regarding respect for the land include the following:

- (a) adopting measures that increase, to the extent ecologically reasonable, the abundance of species and/or growing conditions for species that have special social or economic importance for the Keeyask Cree Nations;
- (b) employing strategies that “go with” rather than “go against” nature, as they have a much higher probability of success;
- (c) planting species and promoting site conditions that are widespread in the sub-region in which the Keeyask Project is located, rather than planting species and promoting site conditions that may be popular in more southern areas; and
- (d) being respectful of the Keeyask Cree Nations’ traditional relationships with the land.

Measures that may be considered to comply with the above principles include:

- (a) altering existing soil, topography and hydrology as little as possible;
- (b) anticipating ecosystem dynamics and fitting in with how the habitat would develop over time; and
- (c) attempting to create conditions that promote selected species (for example, narrow-leaved Labrador tea).

2.0 PURPOSE AND OBJECTIVES

The purpose of this Preliminary Access Management Plan is to document commitments to taking specific measures to manage access during construction of the Project.

The objectives of this AMP are to:

- Provide safe, coordinated access to the Infrastructure Project for authorized users;
- Support sustainable use through the protection of the area's natural resources; and
- Provide worker orientation regarding respect for surrounding area, fisheries and wildlife resources, heritage resources and local communities.

The AMP will be finalized prior to Project construction. A separate plan will be developed prior to operation of the Infrastructure.

3.0 BACKGROUND

The proposed Project consists of the construction of a start-up camp capable of accommodating approximately 125 people, construction of an approximately 25-km two-lane gravel road, and construction of a 500-person main camp (phase one) on the north side of Gull Rapids. Figure 3.0-1 illustrates the overall layout for the proposed Project. The site for the proposed Project is approximately 730 km north (by air) from Winnipeg. The area to be developed currently consists entirely of Provincial Crown Lands. It is the intent of the Keeyask Hydropower Limited Partnership to have these lands purchased and converted to private ownership.

With the exception of the start-up camp, the proposed Project does not include the operation of the infrastructure. Limited maintenance will be performed on the facilities. There may be occasions where the facilities may be used on a limited basis for engineering and environmental studies. The start-up camp will be decommissioned at the end of the proposed Project and most of the buildings will be removed. Selected buildings will remain as part of a maintenance yard upon completion of the road.

Manitoba Hydro recognized the need for discussion with local First Nations on the access road. Consultation activities related to the route selection process began in 2005 with the formation of the Keeyask North Access Road Technical Sub-Committee. Participants in the process included representatives from KCN, Manitoba Hydro and their engineering and environmental consultants, and Manitoba Infrastructure and Transportation. The following provides a brief summary of the route selection process – more details can be found in the Project EA report in Section 4, Section 4.1.1 Public Involvement and Section 5, and in Appendix A2.