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Wolves of Labrador

May 31, 2005

Act I Intro Labrador's Wolves

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Wolf in water	Love them or hate them, few can deny the power of the wolf.
Pup	As symbols of wilderness we adore them.
Wolves at carcass	But like shadows, wolves also invade our nightmares as man-eaters and reckless killers.
Single wolf feeds	Somewhere between the fear and the romance lies the truth of the wolf, creatures surviving the only way they can—one kill at a time.
Wolf stalks	On Canada's East Coast, wolves html/stalk the largest herd of caribou in the world.
Man walks; herd and wolf	Secretive and elusive, the challenge to biologists and camera crew alike is to find and study these caribou hunters: the wolves of Labrador/ the Labrador wolf.
Title	The Wolves of Labrador
Slo mo wolf	Canis lupus: the gray wolf.
Graphic to come showing shrinking range	Once the most widespread carnivore in the world, habitat loss and relentless predator controls pushed wolves to a fraction of their former range, deep into wilderness areas.
A few alternatives for this section are found at the end	Gone are the wolves from Japan, reduced in the Middle East and nearly exterminated in Western Europe.
	In Mexico and the U.S., wolves lost 95% of their range.
This section on genetics will be reduced	Over a Century ago, wolves in North America once carried a wide range of unique genes, showing a genetic diversity that is nature's insurance against extinction. But as their range shrank, so too did their genetic heritage.
	Research shows historic populations had more than twice the genetic diversity of present day wolves. In less than one hundred years, wolves lost more than half of their gene supply.

	While North America maintains almost three-quarters of the world's
	wolf population, it's also lost some unique races.
	The Mexican wolf clings to existence, while Alaska's Kenai Peninsula wolf, reportedly one of the world's largest, disappeared. As did the buffalo hunters, the wolves of the Great Plains. The Newfoundland wolf also went down the path to extinction.
White wolf	A large white animal, the Newfoundland wolf existed only on the island of Newfoundland.
Wolf stalks	For thousands of years it survived, hunting the island's caribou. By 1930, the Newfoundland wolf was extinct, its genetic contribution lost forever.
Caribou, LS wolf	While predator controls helped push their numbers down, it's more likely their ties to the island's dwindling caribou sealed their fate. Lack of caribou may have killed the Newfoundland wolf.
Мар	It is believed this wolf's ancestors came from nearby Labrador, following caribou to the island of Newfoundland.
Caribou	But while the island's caribou population faltered, Labrador's has grown. Today, close to a million caribou wander throughout the region of Labrador. The George River herd—the largest herd of caribou in the world.
ZI wolf	And wherever they roam, you'll find the caribou hunters.
CU wolf	Canis lupus labradorius—the Labrador wolf.
Wolf walks	A sub-species of the gray wolf, this medium sized wolf ranges in colour from dark gray to white.
Wolves on tundra	As they still occupy 95% of their historic range, they're one of the few intact populations left in the world—an important storehouse of unique wolf genes.
Wolf trots; mtn aerials	Little else is known about these wolves as they exist in a treacherous and inhospitable land, making them the least studied wolves in the world.
Helicopter	"Oh look, there's wolves"
Crew; aerials	To gain a better understanding of these wolves, our camera crew, teamed with biologists and experienced guides, will embark on a three-year journey; through Labrador's rugged terrain on land, along its

	jagged coast by boat, and covering it's vast expanse from the air. OR To gain a better understanding of these wolves, our camera crew, teamed with biologists and experienced guides, will embark on a three-year journey by land, sea, and air, throughout Labrador's rugged terrain.
LS wolf in rocks; aerial wolf running	No one really knows how many there are, or their full impacts on caribou and the world around them.
Wolf running; helicopter; various shots	To fill the research gap, Labrador's biologists will need to collar several wolves.
shois	To initiate the project was a little bit difficult. We had to use helicopters and go out into these areas where we knew there were wolves present. Of course we didn't know where they would be on any particular day.
	Pick days with good lighting conditions, with recent snow, we can actually pick up their tracks and actually follow the tracks until we come up to the animal themselves
Biologist chases wolf,	(Various comments as biologist attempts to dart wolf) Information gathered reveals the condition of the animal.
Measures	29all these wolves are almost exactly the same size, I think they've all been 29.
Weighs	Everything from weight to tooth wear tells of the wolf's life.
Biologists check wolf's teeth	She's got some wear on her teeth, they're a little bit yellowthis one's loose actually, she's missing the one next to it
Checks feet	Hairy feet see how the toes spread a considerable difference, and you can see how they can get around in that deep snow.
	This mature female is probably one of the oldest members of the pack.
Rob collars wolf	This is a VHF radio collar beacon. And we can follow this animal from an aircraft with a radio receiver on board.
	certainly we are able to estimate the total range, the packs that these animals are associated with. We are able to determine the survival rates of these animals through time. And depending on the types of radios deployed, you're sometimes able to estimate predation rates.
Biologists finish collaring	She's very healthy, appears to be a mature female, and by the looks of things may be pregnant. If that's the case then we assume we have the alpha female of the pack, which is great, because if so we may be able to find a den site and get some really interesting information from the

	animal.
aerial	(Rebecca) Well one of the reasons we're studying wolves right is we're trying to get a more complete idea of predator-prey relationships in this area. There hasn't been recent researchallow us to fill in missing details. Radio collars is effective in Labradorhuge land masshopefully we'll have another opportunity to get more collars onkeep tabs on it and figure out what parts of the of the area they're using. One of the problems with telemetry from helicopters, in heavily wooded areas can't get a good look, not able to get a lot of information that way. Usually wherever there are George River caribou there are probably wolves in the area. The wolves are known to migrate with them to a point, most don't migrate past the treeline.
Helicopter; crew walking	While the biologists continue their research from the air, our camera crew begins their own search for wolves on the ground.
Caribou in snow	There's only one sure way to find them—follow the caribou.
Caribou in snow	In winter, the massive George River herd spends up to six months wandering the boreal forest and the edge of the treeline.
Storm scenics; Levi sawing wood	It won't be easy trying to follow them. Labrador's long, harsh winters take a certain kind of knowledge to survive—one earned through experience.
	This is the kind of place only someone born here truly understands.
Levi carrying wood; cameraman	There's few better than guide Levi Nochasak to take our crew into what can be one of the meanest places on earth.
Levi scoping	This is his backyard. He knows the land, and its creatures.
All of Levi's material will be subtitled	Well animals are smarter, they have more sensitive smell, hearing, than humans. But in my case, I've been deaf most of my life, so I can see distance rather than hear. But my father teach me how much he knows, he's also deaf, but he is highly skilled and this is what I learned from him.
Levi walks; pan scenic	Levi's exceptional observational skills and knowledge of the land will guide our crew in search of wolves through the wilds of Labrador.
Wolf in snow; CU Levi	Well, I see most of the wolves between Nain and Hebron, in summer, winter. These mountains here in the background, toward north,

snowmobiles	northeast, is a route, it's where most of the caribou are. Eventually, there has to be wolves behind them.
Siteminotres	Levi's route will take the crew along the treeline north to the coast and search for wolves at the edge of the frozen sea.

Act II

ACC II	-
тар	The search for wolves begins from Nain, Labrador's most northern community. From here, they follow the coast north on land and frozen sea, with only their snow machines and Levi's experience to rely on.
	Most of the time I travel from Nain to Hebron, we just bump into polar bear. Nothing but polar bear place, it's access to open edge water, edge sea ice.
Skidoo	The sea ice poses a greater threat than any bear.
Ice moves	What seems like a solid sheet of ice becomes a moving platform that changes with the tides.
Skidoos	Hit a weak spot, and you crash into the ocean. OR Hit a weak spot and risk death in the cold ocean below.
Cabins	Our crew will spend ten weeks searching the coastline, using several cabins along the way as base camps. They decide to split up to widen the search area for any signs of wolves.
AM walking away Men point; pan scenic; tilt up tracks	Hundreds of islands lie near the coast, enclosed by ice. Here, they find tracks leading out onto the frozen sea.
Skidoo; pan to carcass	For days our crew follows the tracks, but always finds themselves a step behind.
Carcass	The tracks eventually lead to a fresh kill, cleaned out and abandoned by the wolves.
Levi at carcass	It was an easy kill. There's quite a bit leftover there yet.
Carcasses	The success of the pack lies clear with new kills found almost daily.
Pan bloody carcass;	The pack leaves behind a trail of carnage that never goes to waste. OR But the trail of carnage the pack leaves behind never goes to waste.
Arctic fox; red fox	Their smaller cousins, the red fox and the arctic fox, rely on old wolf kills to get them through the winter.

Two red foxes fight	The foxes compete among themselves for food.
Red fox	The red fox now owns the wolf's old title of most widespread carnivore in the world. It's even expanding its range north into the arctic fox's territory.
Arctic foxes,Dead fox	While they rely on the scraps wolves leave behind, it's still dangerous to be a fox in wolf territory.
Red fox eats/looks	A wise fox keeps its distance from the only top dog. (sound of wolf howling)
Pan scenic to Levi w/binos	Levi is the first to spot a pack of wolves
Pack; pup rolls down hill	As wolves can easily travel 50 kilometers in a single day, the challenge now is to simply keep up with them.
AM setting up blind	With wolves in the area, the film crew sets up a blind, in hopes the pack will return to their latest kill.
foxes; wolf walking	Unfortunately, there's not much left of the carcass. It only draws one member of the pack.
wolf approaches carcass	This could be a subordinate wolf, usually the last to feed.
Wolf feeds; pack on hillside; wolf walks	With the carcass well picked over, it doesn't stay long and quickly rejoins the pack resting on the hillside.
Levi scoping; carcass	Wolves seem to be drawn to the coast, making most of their kills out in the open on the sea ice. OR The coast seems to attract the wolves. Most of the kills have been found on the open sea ice.
Pan seal carcass	Even the occasional seal falls prey to wolves.
	Still, it's difficult for wolves to hunt seals, as they're wary of any movement.
	This is a good spot. Every year, they know this, they come back next year, and come back again next year. I recognize the trail. It's a shortcut on the sea ice.
Polar bear; wolf; caribou	While polar bears and seals thrive on the ice, wolves also patrol its edges, as they know caribou are vulnerable out on the open ice.
Caribou on ice	Caribou use the sea ice as a bridge to nearby islands they couldn't reach in summer.

Melt;	But when the spring thaw slowly breaks winter's hold on the land, caribou lose their bridge to the islands.
caribou in water	The growing light and warming days stirs the caribou to renew their annual journey.
caribou move	Leaving the <u>wintering grounds</u> behind them, they head north, towards the great expanse of the barren-lands.
	To follow the wolves and caribou, the film crew will have to change their tactics—a new season has begun.

Act III

Map; crew in boat	The search for wolves continues north along the coast—this time by boat.
Henry steering boat	Few know Labrador's rugged coast better than Henry Webb, whose experience is needed for safe passage through the icy waters of the Labrador Sea.
Rocky hills	Their journey mirrors the caribou's migration north.
Map; aerials	From wintering grounds in the south to the calving grounds in the north, the George River herd's_range spans an area the size of Great Britain, taking them through some of the most demanding terrain Labrador has to offer.
Crew on boat	Plotting their course carefully, they search the coastline where ancient rock meets the sea.
Fiords Caribou filing	They'll search the many fiords that stretch for kilometers inland as they follow the movements of caribou, migrating along trails used for generations.
Herd crosses Wolf	These caribou may travel up to 6000 kilometers in a single year. Sooner or later, they will cross paths with wolves.
Wolf on rocks; chases caribou	In this rocky terrain, wolves have the advantage.
Caribou move down hill, enter river	The <u>river</u> brings safety to the caribou; they are as swift in water as they are on land.
Herd swimming	Hollow hairs keep them afloat while their wide hooves act as paddles,

	making them strong swimmers. Even the calves take to it easily.
Calf walks up hill; herd	In its first month of life, a calf may have already traveled 200 kilometers following its mother.
Tired calf	, the long journey proves too much for some. Exhausted, this calf can't take another step.
Cow calls; calf lies	Desperately, the cow urges the calf onBut it needs to rest.
Herd moves	Constant movement defines a caribou's life.
Calf stands, herd moves	Leaving the lost and weakened calves behind, the herd presses on, south into the barren-lands.
Cavles; wolf stalks	If <u>these</u> calves can't find their mothers, they'll either starveor come face to face with wolves.
wolf scares away cow	The drive to stay with the herd is strong, and forces most cows to abandon the weakened calves to their fate.
wolf stalks; calf	A calf's misfortune is a wolf's gain.
wolf chases calf LS herd and wolf	Even with their endless movements, the herd cannot escape the wolves, as they continue moving south, deep into Labrador's interior.
Wolf stands, cam focuses; LS wolf	Wolves are in their prime out here in the barrens, where they're camouflaged to blend into their surroundings—virtually invisible until they move.
Caribou and wolf	No matter where they go, the George River herd's constant companion trails behind them—a dark shadow threatening to strike.
Limping bull	It seems the wolves don't need to hunt in packs here, as they're bound to find a victim they can take down on their own. It's just a matter of finding oneand a little luck in catching it.
Wolf following caribou	Sooner or later, wolves will succeed. It's only a matter of time.

Act IV

Herd passes cam	The George River herd's migration continues south across Labrador's desolate barren-lands.
LS herd; helicopter	With the herd spreading out and moving quickly, our camera crew decides to fly ahead of the mass.

Aerial; interior helicopter	They know of a place where every caribou for kilometers around must pass.
winding river	Not all rivers are easy to cross. Over time, moving waters carve deep paths into the rock, creating natural barriers.
canyon scenic (picture will change)	A canyon lies in the caribou's path, and this is one of the few safe places to cross.
People, helicopter	Here, the crew will set up camp and wait.
Scenics; wolf	For generations, caribou have used this crossing. And used by wolves for just as long.
LS wolf trots	In such a meager landscape, these wolves would need to cover a large territory just to survive.
	Packs that hunt barren-ground caribou have the largest <u>home</u> ranges of all wolves.
Wolf howls	With such vast territories, communication between wolves becomes even more important.
MLS wolf sniffs ground	Howling keeps them in touch, but scent also plays a major role in a wolf's life.
Young wolf rolls	They use scent to mark territories. But when they find a smell they really like, they roll in it.
Wolf rolls	It could be a way to gain status in the packor it could just be they find it simply irresistible.
Wolf trots, looks at cam	In summer when there's no caribou in the area, they don't need the pack as much. They spread out, surviving on lemmings, voles, ptarmigan, and anything else they can find on the tundra.
Wolves watch on hilltop	For days the wolves scan the horizon, as if they're anticipating the caribou.
LS herd coming	Finally, the first wave of caribou arrives.
Caribou in valley	Like a funnel, the break in the canyon wall channels the entire herd through the valley.
Caribou walk in river	As this is the only place to cross for many kilometers, the bottleneck it creates for the herd makes it easier for the wolves.

Caribou runs	The caribou hesitate. They must know the danger this valley brings.
Wolf; caribou	The wolf manages to split the herd.
Caribou swim	When they take to water, the wolf is in no position to follow.
Bulls on land	The bulls look healthy and strong. Too much work and dangerous to hunt.
Wolf stops, looks	While this wolf failed on its first attempt, there will be <u>other</u> opportunities.
LS caribou file through river	As long as caribou continue to pass, the wolves will always get another chance.
	It will take weeks for tens of thousands of animals to <u>clear the valley</u> .
	At the migration's peak, they will cross non-stop, day and night.
LS caribou pouring down hillside Wolf sneaking up on caribou	Throughout time, the strategy for the hunt remains the same—use any means to get as close as possible before launching the attack.
MLS moulting wolf	The wind works against the wolf's attempt, blowing its scent towards the caribou.
	But where one wolf fails, another may succeed.
Another wolf stalks Wolf stalks; bulls	Undoubtedly, there will be caribou injured and weakened from the journey.
cross Various wolf chases Wolf at river's edge	The window of opportunity for these wolves lasts a few weeks before the final caribou passes by.
Herd moves past	While the caribou complete their yearly cycle as they move back to the forest, the journey for our filmmakers comes to a bittersweet end.
wolf feeds behind rock; in water	While it's clear the wolves were successful in hunting these caribou, with signs of fresh kills all around, the film crew never managed to capture a complete hunt on film.
Slo mo moulting wolf; LS wolf chasing herds	So secretive and wary are these wild wolves, that after 300 days in the field with over 3000 hours of observation, the actual kill still managed to elude the filmmakers.
	But they did find that these wolves of Labrador truly are superb caribou

	hunters.
Wolf feeds on fresh meat	But to what extent they can affect the different caribou herds in Labrador, has yet to be discovered.

Act V

Helicopter flying; interior w/Rob;	Two months have passed since biologist Rob Otto collared the pregnant alpha female.
Aerial forest	He's now following her radio signal hoping to find a den.
Aerial of burn	The signal picks up in an old burn site where a forest fire raged twenty years ago.
Aerial burn	She's below them, somewhere.
	Oh, here's one, right off the sideHiding in the tree there.
	She looks, oh ya, she's been walking around there for a bit I'd say with this helicopter over top of her. She looks fine. Yep, right here, now.
Alpha looks	The alpha female seems reluctant to leave the area.
Pups at den Alpha howls	Oh look there's wolves, right there. Three wolves, right there.
pups hide; Helicopter flies away	Not wanting to disturb them further, Rob continues the search for his other collared animals.
Den site; Pan forest Song birds	Wolves instinctively know where to den. This hillside of dry, sandy soil has good drainage, and a perfect view of the forest, still recovering from the fire.
Adult wolf walks; alpha on rock howls	A pack's territory <u>can</u> cover up to 1000 square kilometers. But when they have young pups, they're tied to the den.
Pups howl 3 Pups howl lying down	At three months old, these pups can be left on their own much of the time now.
uncollared wolf walks	With at least one member of the pack watching over them.
fighter plane passes	Fighter planes from Labrador's military base practice low-level flying

	here.
wolf walks away	They've denned close to the military base, and don't seem bothered by the noise.
pups in woods, collared female; Rebecca speaks	Since we put these collars on these animals a couple of years ago, we've been able to start to get an idea of what kind of land area they've been using. Through collaring the animals in this pack, we're able to find out that they're using an area of 6-700 square kilometres, which we didn't know before.
adult leads pups away Rebecca; Pups at den	This spring, the alpha female had 6 pups, which is a really healthy size litter, which is probably indicative of the good conditions in the area. This year, for the first time in several years, the George River herd wintered right and around this area, it probably provided some really good prey opportunities for the wolves over winter, which probably contributed to their good health and helped them to have a healthy litter of 6 this spring.
Pups play	I would say at this point the pups are probably 3-3 and a half months
Adult looks	old. When the pups are really young, the parents go out and do the hunting, gorge themselves and bring the food back to the pups and regurgitate for them. As the pups get older and able to venture farther from the den, honing their own hunting techniques through playing with
Two pups wrestle	each other and just exploring their habitat.
Pups play tug of war	The hierarchy these pups establish now will remain with them for much of their life.
Alpha leads pups	Every few days, the alpha female leads her pups away from the den towards water or a nearby carcass. They're in training for when they'll abandon the den for good, freeing the pack to wander once again.
Uncollared adult walks	By the time the study's over, we'd like to have a better understanding of the predator-prey relationship and how each population is affecting the other within the area. We haven't collected as much data as we'd like
Collared female	yet, so we'll probably keep thsee collars on for several years, so we're hoping to look at not only the wolves and the caribou, but also the moose in the area and seeing how they're all affecting each another and living together.
Interior helicopter; aerial caribou	Rebecca and Rob's research also includes Labrador's endangered woodland caribou.
Aerials caribou running	Unlike the George River herd, which migrates widely, small herds of woodland caribou live in the forest year-round. Some of these herds have decreased to less than 150 members.

Aerials burn, moose In the last several decades, increasing numbers of forest fires have altered their habitat, opening up large areas of the forest—perfect conditions for moose. Aerials moose: Rob is finding that moose are affecting the lives of woodland caribou. caribou Helicopter; Rob darts Their presence adds a new dimension to the predator-prey relationship a moose Rob and Rebecca are trying to study. The information gathered from collaring moose, leads Rob to suspect *Rob tagging moose* moose in southern Labrador have a detrimental affect on the endangered woodland caribou. *Aerial wolf running;* We wanted to determine whether or not wolves were having a large Rob: aerial caribou effect on the woodland caribou we have in the region. These running; moose in populations have experienced declines in numbers in recent times, and shrubs there is some degree of concern there's more wolves in the area, and moose allowing them to remain in the area has an affect on the threatened woodland caribou populations. Bull stands; collared Moose from Quebec began colonizing Labrador within the last 40 years, attracted by the new growth created from forest fires. wolf Bull walks in shrubs They now offer wolves in this region an additional source of food. LS wolves attack While full grown moose are formidable opponents for wolves, moose woodland caribou may be more susceptible, allowing already low numbers to drop further. Collared wolf These wolves are able to exist in higher densities than they would be able to otherwise, and as a result, just more frequently come into contact with caribou and kill caribou in those instances. Wolf eating caribou Wolf eats The teeth on wolves are actually amazing, their canine teeth are exactly miniature steak knives, very efficient at tearing meat and other tissues. They usually just tear the carcass open and eat in right through the hide. At times you'll find the carcass totally disarticulated, all the bone pieces separated from one another. The adults will actually gorge walks away gorged massive amounts of meat and carry it back to the pups in their stomach. Wolf feeds Still, it's not an easy life. The numbers of woodland caribou in Labrador declined mainly due to human over hunting. But wolves may now be keeping their numbers down, not allowing them to recover. Wolves simply do what's in their nature.

Head goes down river	But now, the survival of one species hangs in the balance, as <u>Labrador's</u> woodland caribou faces extinction.
	It will take further research to fully understand this complex predator- prey dynamic.

Act VI

Act VI	
Rob in helicopter; aerial wolf	Biologist Rob Otto and his team continue tracking the animals radio-collared in Labrador.
	Comments from Rob in the helicopter
Helicopter interior; chopper flying	They've just picked up a mortality signal from one of the collared wolves, meaning the collar hasn't moved in days. Either the collar has fallen off, or the wolf has died.
Rebecca w/telemetry; dead wolf at tree	Rebecca Jeffery finds the young female near Goose Bay's landfill site.
Rebecca handles dead wolf	It became obvious as we were tracking her from the air that she was at the dump. It's probably less than 10 kilometers from town, it's quite close. Well, it looks like it's the female we collared two years agoshe pulled out and the snare remained on her foot and she's had it there ever since. She's really quite skinny and thin and I suspect she's had the snare on for some time
	Locals had reported seeing a limping wolf at the dump.
Rebecca carries wolf	I'm upset that she's died in this wayIt is absolutely legal to trap wolves here in Labrador, the furs sell quite well internationally, it's not uncommon at all, this one just went wrong.
Wolf furs on line	Canada remains one of the world's largest exporters of wolf furs, with Labrador's wolves in demand for their colour and quality.
Trapper talks AUDIO MISSING	Well locally we sell them. For a big one you get 200-250 dollars, for an average one 100 dollars. But there's a lot of work to a wolf, a lot of cleaning. One season we had close to 50 animals between 3 brothers. It's different now because now we can go to different areas really fast using snowmobiles. Years ago it was dog teams, even though you saw a wolf in the distance, you just got to look at it I guess.
Snowmobile in town	The snowmobile has become a way of life in the North.
LS line of	In the last twenty years, the number of machines here has tripled,

snowmobiles; wolf	making it easier for more people to get out onto the land, where they can encounter wolves.
Two teenage boys by snowmobile	Seen a wolf on the ice, must have chased him for 15 minutes and just being alongside an animal like that, you know he can just grab you and tear you apart is pretty amazing.
Teenage boy in blue	We were just chasing the wolf because we wanted the fur, but our skidoo wasn't fast enough to catch it.
Teenage boy in orange	We were just riding around and we seen a bunch of wolves and they just started following us. We stopped and they just started following us again. When we broke down for gas they just started running after us, my uncle had no choice but to shoot it.
Lone wolf howls; two wolves howl	The universal fear of wolves crosses time and cultures. Though humans and carnivores exist here side by side, the age-old story of 'the big bad wolf' plays out in modern times.
Single wolf stands	Even those who live off the land still fear wolves.
Elder speaks; pack of wolves feeding on carcass This section will be subtitled with the Elder speaking, not the interpreter	They're very dangerous when they're in packs. More than once I've seen wolves getting after caribou, during one time we saw a big pack of wolves, they're scary when they're in packs. He wouldn't want to be alone when they're in big packs because they are really dangerous, especially when they're hungry. He would urge other people not to be by themselves, he feels that sometime, in the future, when they're in packs when they're really hungry, they could attack a human.
	MISSING AUDIO
Pan town scenic	As Labrador's most northern community, Nain has a long history with wolves as it lies within the George River caribou herd's migration path—prime wolf country.
Children running to school Children standing	In the past, they've had good reason to fear wolves. Numerous wolf sightings once forced the town to close the school for days, as parents feared for their children.
Jessica speaks	Last week I seen a wolf behind school and my brother caught it. he was just riding around, and he seen it and rushed home, it was just little but common, and it just stayed there until he got his gun and went back and shot it. I felt good because it was dead. I thought some people was going to get bit.
Snow machine; dogs	While a few sightings are normal, in the year 2000 a <u>series</u> of wolf attacks on the town's dogs sent panic throughout the community.

	MISSING AUDIO There was a pack of wolves that came into town and they were terrorizing dogs, and I guess a few people got pretty close to them, but nothing too serious happened.
Town's dogs; teenage boy with piercings	We was waiting for the wolf to come out where they were spotted, and the wolf came out and went to the dog and sniffed the dog and afterwards it cracked, bit it right on the neck and then walked away
Teenage boy in blue	again
Dog jumps on fence; teenage boy	I guess my dog got a bit nervous so he jumped up on the fence. And the wolf came up to my dog and got closer and closer, and after a while they were neck and neck. My dad happened to notice it and he grabbed a shotgun and he ran out. The wolf took off.
w/piercings; wolf	Not long after the wolf hopped out of the woods and started chasing him, and once he got so close White's father shot him, and the boys were that close to being attacked by a wolf.
Two teenage boys by snowmobile	In the end, a single rabid wolf was found responsible for the attacks.
Wolf stands	These occasional outbreaks of rabies are usually to blame for problem wolves. OR These occasional outbreaks of rabies usually create the problem wolves.
	Still, wolf attacks are incredibly rare.
Wolf trots away	No one has been killed by a wolf in North America. Yet for some in Labrador, the myth of the man-eating wolf endures Musical interlude
Aerial wolf running	Despite the number of wolves killed in Labrador, Rob Otto doesn't fear for the wolves.
Various wolves in snow; helicopter Aerial wolf; wolf	It's very difficult to get an estimate of the total number of wolves in Labrador. The future for wolves in Labrador is very secure, Labrador is a very rugged, very isolated piece of country. There's lots of prey for wolves. I don't think there's any danger of wolves becoming reduced in
Rob, wolf chasing caribou	number. I don't think it's possible because of the remoteness of the land. Slowly, attitudes are changing. OR Not everyone shares the fear for these animals.
Wolf chases	I think we need them, we need them around to keep the caribou herds healthy. As we go along we learn they're not as dangerous as they're made out to be
Trapper	The wolf was in the woods and it looked at us and it seemed scared and ran away, so if you don't bug them, they probably won't bug you.

To a facility of the state of t	If you keep to yourselves and leave them alone, they'll probably keep to themselves as well.
Two teenage girls	
	They've got to survive the same as a person, right. They don't bother me so I don't bother them.
Teenage boy with	
piercing	The wolves of Labrador really are one of the few remaining intact populations of wolves on earth.
Older fellow	
	Their survival may help protect the future of their species by maintaining the genetic diversity of wolves.
Two wolves trot	·
Single wolf trots	Over time, studies such as the ones taking place in Labrador can only help us understand these predators and their effects on the world around them.
Slo mo wolf on gravel	As long as caribou remain, there will always be the caribou hunters: the wolves of Labrador,
C16	
Caribou slo mo; wolf	
trots to cam	

Alternative for graphic/genetic sequence in Act I (p. 1-2)

Alternative 1

Canis lupus: the gray wolf.

Once the most widespread carnivore in the world, habitat loss and relentless predator controls pushed wolves to a fraction of their former range, deep into wilderness areas.

Gone are the wolves from Japan, <u>disappearing</u> in the Middle East and nearly exterminated in Western Europe.

In Mexico and the U.S., wolves lost 95 % of their range, along with their genetic diversity.

Research shows that wolves in North America have lost over half of their unique genes, making the wolves of today more genetically similar than they were one hundred years ago. OR Research shows that wolves in North America today are more genetically similar than they were one hundred years ago. In that time, they lost over half of their unique genes.

Despite the loss, nearly three-quarters of the world's wolf population survive in the continents northern wilderness. Still, unique subspecies have become extinct.

Alaska's Kenai Peninsula wolf, <u>reportedly</u> one of the world's largest, disappeared <u>by the early 1900s</u>. As did the buffalo hunters, the wolves of the Great Plains. The Newfoundland wolf also went down this path. (OR ...also shared their fate.)

Alternative 2

Canis lupus: the gray wolf.

Once the most widespread carnivore in the world, habitat loss and relentless predator controls pushed wolves to a fraction of their former range, deep into wilderness areas.

Gone are the wolves from Japan, <u>disappearing</u> in the Middle East and nearly exterminated in Western Europe.

In Mexico and the U.S., wolves lost 95 % of their range.

These losses also devastated their genetic heritage.

Over a hundred years ago, North America's wolves once carried a wide range of unique genes, but as their range shrank, so too did their genetic diversity. Research now shows that today's wolves have half the genetic diversity of historic populations.

<u>Despite the loss, nearly three-quarters of the world's wolf population survive in North America.</u> Still, unique subspecies have been lost.

The Mexican wolf clings to existence while Alaska's Kenai Peninsula wolf, <u>reportedly</u> one of the world's largest, disappeared (<u>by the early 1900s</u>). As did the buffalo hunters, the wolves of the Great Plains. The Newfoundland wolf also <u>shared their fate</u>.