Toward a Post-Arctic World

by Barry S. Zellen

Introduction

The period between the Cold War’s end, and the current period of rapid climate change, was a quiet period in the field of Arctic security studies—inter-state tensions across the Arctic basin dramatically shrunk after the Soviet collapse, and concerns over external Arctic security shifted to the back burner during most of the 90s. During this period, another dimension of Arctic security accelerated to the front burner—the internal dimension—as a tremendous transformation came to fruition, integrating the largely indigenous Arctic into the constitutional and economic framework of the modern state.

Associated with this transformation was the increased recognition of environmental security as a pillar of national security, and the importance of inter-ethnic harmony to internal stability, two issues that had festered beneath the surface in the former Soviet Union and contributed to the rapid implosion of that multi-ethnic state, and which still present a great challenge to Russia. In North America, these two trends in the diversification of our definition of security were fostered by several events, including the 1989 Exxon Valdez oil spill; the 1990 armed stand-off at Oka; and the intensifying ethnic conflict and consequent state collapse in the former Yugoslavia. In the Arctic, the environmental legacy of the Cold War also contributed to the “greening” of northern security, as toxins associated with the DEW Line and the mothballed Soviet fleet raised deep concerns, and a variety of air- and sea-borne pollutants originating thousands of miles to the south entered the Arctic food chain, concentrating in the fatty tissues of marine mammals, and directly affecting the health of the Inuit.

The Land Claims Journey

In North America, tremendous structural innovations were made to the Arctic’s political economy, stretching from the Bering Sea to Baffin Bay, with the completion of a generation-long process of negotiating comprehensive Aboriginal land claims treaties to resolve issues of land ownership, and to foster an enduring partnership between the indigenous peoples and the state through a variety of new institutions, including Aboriginal regional and community corporations, investment corporations, land administration agencies, a variety of tribe-state co-management boards, plus a complex patchwork of local, regional and territorial governments created to give a voice to the Native interest.

The general trend across the North American Arctic has been to first address the land question, and to negotiate and implement land claims accords to bring clarity of title, serving two distinct and important goals: to protect the local tribal interest and provide a resource base for economic development as well as a land base to protect subsistence harvesting of wildlife; and to enable
economic development projects such as oil and gas pipelines to proceed. Once land claims were settled across the region, the next step in the process of northern development has been, generally speaking, the pursuit of new systems of Aboriginal self-governance, taking various forms and employing various structures, whether to establish municipal or borough governments under existing constitutional law; to create tribal councils governed by federal Indian law; or to negotiate new systems—the most ambitious and expansive to date being the still young territory of Nunavut, with a comprehensive land claim settlement linked to the subsequent formation of a new territorial government, creating a complex but very powerful system of self-governance applying a public model to a predominantly indigenous region where 85% of the population is Inuit.

After Nunavut, the evolution toward more properly indigenous self-governing structures has continued, as reflected in the Labrador Inuit Land Claim of 2005 with the very first truly indigenous self-governing structure, articulated in detail in the 2002 Labrador Inuit Constitution. More recently, in November 2008, the far-flung Danish province of Greenland held a referendum on evolving beyond their “home rule” system of autonomy toward more formal sovereignty and independence, which passed decisively.

Regardless of the jurisdiction, whether Alaska or Arctic Canada, indigenous peoples have shown tremendous ingenuity in their effort to build new systems for self-governance, creatively adapting existing institutions or creating new ones when possible, lobbying for and negotiating to further advance the powers of Aboriginal self-governance.

**Breaking the Ice**

The Arctic Security Project at the Center for Contemporary Conflict has been examining this continuing social and political transformation of the North, looking at the way history has unfolded across the Arctic, and at how ideas and institutions for reconciling the interests of indigenous northerners and the modern state have evolved, along a west-to-east arc, becoming stronger with each new iteration and reversing many of the negative consequences of the colonial experience, and transforming the domestic balance of power to lean heavily in favor of tribal interests, particularly on social and economic matters, and to a limited degree on security matters. This increasing shift in power has increased the capacity for the indigenous peoples of the North to confront the many social and economic challenges that remain in their communities, providing the tools necessary to face the emergent challenges and opportunities associated with climate change, and a potential Arctic thaw.

Social conditions in Alaska and the Canadian Arctic have been described as a “Fourth World,” with Third World conditions exacerbated by climate, isolation, limited infrastructure including a near absence of roads and rail networks—making seasonal ice roads and summer sea lifts an economic lifeline. Communities are generally quite small, ranging from a few dozen people to several hundred with the larger centers being home to just a few thousand people; their populations are predominantly indigenous, with subsistence hunting, fishing and trapping still essential to their nutritional and cultural survival.

Unemployment remains high, local educational opportunities vary greatly, housing shortages persist, energy costs are high, but with the movement from land claim settlement to the achievement of self-governance, there is hope and opportunity to address and resolve these challenges—though much uncertainty remains, particularly with new challenges from climate change entering the mix. Economic opportunities remain limited, with natural resource development presenting one of the more enduring opportunities, from last century’s Klondike gold rush to the Oil boom of the 1970s, to the Diamond rush of the 1990s, to the new race to demarcate the Arctic’s offshore boundaries. Land claims have helped to ensure that when economic development does take place, local concerns and tribal interests are not overlooked,
with indigenous leaders becoming governing partners in assessing environmental risk, mitigating impacts to traditional subsistence, and ensuring economic participation through jobs, training, and resource royalties.

The settlement of land claims and emergence of new structures of self-government have increased the role of indigenous peoples in the decisions made about the Arctic and its future. One dramatic illustration: in the 1970s, when the Mackenzie Valley Pipeline Inquiry was held by Justice Berger, the struggle was primarily between corporate interests and tribal interests, with the latter excluded from the decision-making of the former. During the current Mackenzie Gas Project, the Aboriginal Pipeline Group sits with the oil companies as an Aboriginal-owned equity partner; and the Joint Review Panel examining the environmental and social impacts of the proposed pipeline is empowered by the settled regional land claims, providing an indigenous perspective to both sides.

**ANCSA: Starting the Process**

When the Alaska Native Claims Settlement Act of 1971 (or ANCSA) was enacted, it aimed to quickly bring Alaska Natives into the modern economy, and at the same time to clarify the limits of Aboriginal title, making it possible to fully develop the state’s natural resources and in particular to build the trans-Alaska pipeline. Because its objectives were largely economic, its corporate model became its defining and most transformative characteristic.

ANCSA formally extinguished Aboriginal rights, title, and claims to traditional lands in the state, while formally transferring fee-simple title to 44 million acres—or some 12% of the state’s land base—to Alaska Natives, with $962.5 million in compensation for the lands ceded to the state, $500 million of which was to be derived from future oil royalties. It also created 12 regional Native corporations (and later a 13th for non-resident Alaska Natives), and over 200 village corporations to manage these lands and financial resources.

These new corporate structures introduced a brand new language and culture, as well as a new system of managing lands and resources that seemed at variance with the traditional cultures of the region and their traditional subsistence economy. The early years of ANCSA were famously described by justice Thomas Berger as dragging Alaska Natives “kicking and screaming” into the 20th century.

In addition to the “corporatization” of village Alaska, ANCSA also had some structural flaws that almost proved fatal to the land claims experience, including a 20-year moratorium in transferring shares in Native corporations to non-Natives, which many feared would inevitably result in the dilution of Native ownership, known as the “1991 Time Bomb.” While critics of the land claims process are correct to point out these original structural flaws and the assimilating pressures introduced by new corporate structures, the land claims model has nonetheless proved resilient and adaptive, as Native corporations matured and their boards, managers and shareholders found ways to balance traditional and modern values.

**The IFA: Evolving the Model**

Across the border, the Inuvialuit of the Western Canadian Arctic had a front row seat to ANCSA, and were impressed by the tangible economic benefits of the corporate structures created, as well as sizeable cash compensation and land quantum transferred to Alaska Natives. But they also noted continuing threat to indigenous culture, and the lack of adequate protections of subsistence rights, traditional culture, and environmental protection, and were determined to do better.
So when land claims crossed from Alaska into the Northwest Territories in 1984 with the passage of the Inuvialuit Final Agreement (IFA), the land claims model became significantly enhanced—in addition to creating new Native corporations, the IFA also made an equal institutional commitment to the preservation of Native culture and traditions, to preserve the land and the wildlife, and to empower not just new corporate interests but also traditional cultural interests as well, by creating new institutions of co-management. The Inuvialuit successfully modified the land claims concept, so that its structure included a natural institutional balancing—not unlike our own balance of powers concept.

Figure 1: ANCSA and Alaska’s New Corporate Geography

Their land claim entitled the Inuvialuit to 35,000 square miles of land; co-management of land and water use, wildlife, and environmental assessment; wildlife harvesting rights; financial compensation of $45 million in 1978 dollars, inflation-adjusted to $162 million, for lands ceded to Canada; and a share of government royalties for oil, gas, and mineral development on federal land, and a commitment to meaningful economic participation.

But one issue that was not yet on the table in the late 1970s and early 1980s when the Inuvialuit chose to pursue their own regional land claim—and thereby gain some control over the intense oil boom in their homeland—was the establishment of new institutions of Aboriginal self-government, something that the Inuit of the central and eastern Arctic—the future Nunavut territory—decided to wait for.

Nunavut : Augmenting Land Claims with Political Power

In the years separating the signing of the Inuvialuit land claim in 1984, and the signing of the Nunavut land claim in 1993, much progress was made on the political question, and an increasing respect for Aboriginal rights in Ottawa, enabling the establishment of a new concept: reshaping political boundaries to correspond to a land-claims settlement area, and establishing a new government to administer this region.

In 1993, with their signing of their historic accord, the Inuit of Nunavut were awarded $1.148 billion to be distributed over 14 years, and an additional $13 million Training Trust Fund to prepare for hundreds of new government jobs, plus title to 135,000 square miles of land including
13,600 with subsurface rights, on top of various co-management boards and clearly defined rights protecting subsistence and ensuring royalty sharing from resource development activities.

But the most striking innovation of the Nunavut claim was the way it was linked to the division of the Northwest Territories and the formation of a brand new territory, resulting in the 1999 birth of Nunavut. Nunavut is now up and running, gaining valuable experience in self-governance. While facing many social and economic challenges—and some unexpected friction with Ottawa over implementation—there is still much reason for hope for the future.

Nunavut has a population of around 30,000 in 28 communities spread out across over 770,000 square miles, or one fifth of Canada's land mass, including the High Arctic islands and the central-arctic coastal mainland. While its population is tiny, its jurisdiction is vast and its resource base potentially tremendous. And since its population is predominantly Inuit, a public government can govern in an indigenous style, as the principles of the Nunavut land claim and the governing power of the new territorial government mutually reinforce one another. In Alaska, many decades earlier, the Inupiat of the North Slope worked within the structural limits of the Alaska State Constitution to create their own municipal borough government, similarly leveraging existing constitutional law to create a public government that could nonetheless govern in a uniquely indigenous fashion, funded by the continuous stream of property taxes levied on the Alaska Pipeline, whose northern terminus was within its jurisdiction.

Figure 2: The Inuvialuit Land Claims: Transforming the Model

But Nunavut went even further, standing up not just a municipal-level structure; its formation, by secession from the Northwest Territories, created a new and uniquely powerful territorial
government. (The Inupiat have, in the years since creating their own borough government, considered their own secession from the state of Alaska—a notion that alarmed the Governor’s office in the early 1990s when fears of “Balkanization” gripped much of the world, and Juneau became concerned that if the Inupiat acted upon their threat to secede from the state, they could take most of the state’s revenues along with them.)

**Figure 3: Nunavut is Born: Augmenting Land Claims with Political Power**

![Map of Nunavut](image)

**After Nunavut: Nunatsiavut and the Re-Emergence of Inuit Governance**

Half a decade later, the final Inuit land claim along the North American Arctic and Subarctic littoral—the Labrador Inuit (Nunatsiavut) Land Claims Agreement—was settled. It was decisively ratified on December 6, 2004 with a 76% yes vote, and came into effect nearly a year later on December 1, 2005, presenting a new stage in the evolution of Inuit governance, and redefining the limits of self-government within a land settlement area—transcending the public model applied by the Inuit of Nunavut and the Inupiat of the North Slope by forming truly indigenous structures for self-governance.

This completed a journey that began in Alaska a generation earlier, and which resulted in the emergence of the first truly indigenous government serving an Inuit jurisdiction, and corresponding to a land settlement area. In contrast to Nunavut and the earlier North Slope Borough, Nunatsiavut is an explicitly ethnic government, serving the coastal communities of the
rugged Labrador coast with their predominantly Inuit populations. The agreement created the 28,000 square mile Labrador Inuit Settlement Area (LISA) with an adjoining 18,800 square mile ocean zone extending as far as Canada's territorial waters. The LISA includes Labrador Inuit Lands (LILs), five predominantly Inuit communities, and 3,700 square miles set aside for the Torngat Mountains National Park Reserve (following a tradition established by prior Inuit land claims that created vast national parks in which subsistence was protected)—with the Inuit retaining special rights in each of these areas.

Within the LISA, Inuit own 6,100 square miles of LILs, on which Inuit have the most rights and benefits, including exclusive right to carving stone and ownership of 1,525 square miles of quarry materials. The Government of Canada will pay the Labrador Inuit $140 million in 1997 dollars, according to a 15-year payment schedule, from which the Inuit will repay their negotiation loans totaling some $50 million over the same period (also following a tradition established by the earlier settlement areas). The Nunatsiavut Government is entitled to receive 25 per cent of provincial government revenues from subsurface resources in the LILs; in the LISA outside the LILs, the Nunatsiavut Government will receive 50 per cent of the first $2 million and five per cent of any additional provincial revenues from subsurface resources, much like the other settlement areas. (Revenues received from subsurface resources in the Settlement Area outside the LILs will be capped at an amount that, if distributed equally among all Labrador Inuit, would result in an average per capita income for Labrador Inuit that equals the Canadian average per capita income.) Further, the Nunatsiavut Government will receive five per cent of provincial revenues from subsurface resources in the Voisey's Bay area.

As in other land settlement areas, Inuit impacts and benefits agreements (IBAs) must be negotiated between the Nunatsiavut Government and developers before major economic development projects may proceed on LILs, in the broader LISA outside of LILs, and in the offshore coastal marine zone. Labrador Inuit have the right to harvest wildlife and plants for Inuit food, social and ceremonial purposes throughout the LISA, and if conservation requires that harvesting by Labrador Inuit be limited, the limits will be set by the provincial or federal minister, based on a recommendation of the Nunatsiavut Government. (A co-management board appointed by the Government of Newfoundland and Labrador, the Government of Canada and the Nunatsiavut Government was established as the primary body for making recommendations to governments on conservation and game management in the LISA, while the provincial and federal governments will retain overall responsibility. Provisions have been made for non-Inuit with existing cabins in LILs to harvest in areas they traditionally and currently use. In addition, non-Inuit Labradorians harvesting in tidal waters for non-commercial purposes may establish temporary camps and cut firewood along the shoreline of LILs. The Nunatsiavut Government will control Inuit harvesting for food, social and ceremonial purposes throughout the LISA.)

As described in section 17.2, the Labrador Inuit Land Claims Agreement “exhaustively sets out the law-making authorities and self-government rights of Inuit,” with the newly created Nunatsiavut Government being “responsible for intergovernmental affairs and relations between Inuit Government, and Canada or the Province, or both,” and to be governed by the “fundamental law of Inuit” as enunciated by the 2002 Labrador Inuit Constitution, and which pledged to respect “principles of democracy,” remain “financially accountable to Inuit,” and to implement “rules respecting conflict of interest.”

The constitution also provides for the “establishment of municipal governments in Labrador Inuit Lands by the Nunatsiavut Government,” as well as community corporations for Inuit residing outside the Settlement Area, and it defined “the relationships among the Nunatsiavut Government and Inuit Community Governments, municipal governments in Labrador Inuit Lands, and the Inuit Community Corporations,” binding the administrative mechanisms created by the land claim to the new structures of Inuit self-governance. The constitution also included an Inuit charter of human rights, recognized Inuit customary law and its application to “any matter within the jurisdiction and authority of the Nunatsiavut Government,” and embraced laws to protect Inuit
culture and the Inuktitut language within its jurisdiction, including “laws to preserve, promote and
develop Inuit spiritual beliefs, Inuit sacred knowledge and Inuit sacred sites,” “laws to preserve,
promote and develop Inuit cultural heritage,” and “laws to preserve, promote and develop Inuit
traditional knowledge.”

Figure 4: Nunatsiavut: Toward Truly Inuit Self-Governance

![LIA Land Claim Settlement Area](image)

The detailed articulation of Inuit constitutional precepts in the January 2002 Labrador Inuit
Constitution filled 159 pages, creating a blueprint of Inuit values and a pathway to the rapid
standing up of a truly Inuit system of government in a region that was predominantly Inuit
(including mixed-blood Métis and Kablunangajuit residents) and both part of, and adjacent to, to
Canada’s Maritime Provinces, along coastal waters of emergent strategic significance as the
Arctic basin opens up to naval and commercial maritime traffic, and with active commercial and
subsistence fisheries, known strategic mineral deposits such as the Voisey’s Bay project, and
prospects of much future resource potential.

Greenland and the Road to Sovereign Independence

Elsewhere in the world, the land claims model, and its subsequent modifications and
augmentations, has become an inspiration, proof positive of what can be gained through a
determined, forward-looking effort to rebalance and modernize the relationship between the
indigenous people of the North and the modern state. As with any land reform effort, changes in
land tenure can have a profound impact on the domestic balance of power, shifting not just title to
land, but the wealth created from that land, resulting in concentrations of economic power in the
hands of a small indigenous population numbering in the thousands or tens of thousands. In
Alaska and the Canadian Arctic, the Inuit have become owners of vast tracts of land, making
them a landed elite with control over numerous economic, and increasingly, political levers. While
not formally sovereign, they are poised to become increasingly influential stakeholders, partners
in the consolidation of state sovereignty, and in the economic development of the northern frontier.
A comparable situation exists in the post-Ottoman Middle East, with extended tribal families and
clans sitting at a powerful and lucrative nexus of land ownership, natural resource wealth, and
political power. While northern Natives in Arctic North America are not in command of the ultimate
levers of sovereign state power, such as military forces or national treasuries, they do have in
their possession or within reach many tools of regional power, making them dominant regional
elites. As the climate warms and the Arctic basin yields more natural resource wealth, the
economic resources in their possession will also increase, and with that political influence.
In Greenland, where the effects of global warming promise to be as profound as in Arctic Canada and Alaska, perhaps more so with its massive ice cap poised to retreat, just two weeks ago there was a non-binding referendum on increasing the island’s autonomy, and restoring sovereign independence, which was approved by a decisive 75% vote (nearly identical to the level of support enjoyed by the Labrador Inuit four years earlier.)

Denmark has shown an openness to the possibility of Greenland becoming formally independent, and if this happens, it will mark perhaps the final stage in the process that began with ANCSA nearly forty years ago, achieved prominence (and set new limits of territorial control) in Nunavut, and which quietly crossed the threshold from adaptation of public structures of regional and local governance to the innovation and implementation of new, explicitly Aboriginal structures and systems that more tightly integrated the levers of economic and political power with cultural preservation efforts, as seen in Labrador. The land claims journey has been, and remains, a tremendous, albeit challenging, journey, demonstrating the staying power of the land claim concept, and its ability to evolve, adapt and transform—enabling the indigenous people of the Arctic to better balance modernity and tradition with each step along the way.

Figure 5: Greenland: On the Road to Sovereign Independence

A Warming Earth and the New Sea

But just as the end of this long journey is in sight, with the institutional transformation of the Arctic nearing completion, a new challenge, and a potential strategic opportunity, emerges: that of rapid climate change. The visible evidence is overwhelming, as illustrated by the record ice melts (coming decades ahead of scientists’ predictions), the greening of the tundra as southern flora migrate north, and the melting of permafrost (affecting northern infrastructure and releasing methane trapped below, which could accelerate the warming trend.) The geophysical landscape of the Arctic is in a rapid transition. While this presents new economic opportunities for the least developed part of North America, and promises to alleviate endemic poverty with new jobs, and new sources of revenue for the emergent Inuit governments, there is still much uncertainty and risk—particularly to subsistence hunting that depends on predictable wildlife migration patterns, and on stable winter ice and summer ground conditions. At risk are the indigenous cultures that have evolved along with the unique Arctic ecosystem and all its interconnected components.
All of the efforts, discussed above, to modernize the Arctic’s political economy over these past forty years have empowered the indigenous people of the region to directly address these new challenges, and to leverage the emerging economic opportunities—with a wide assortment of new tools, and increasing levels of power. While that may not be sufficient to stop or even slow the warming, it will at least enable the peoples of the Arctic to continue to create new solutions, as they rise to the new challenges of this era.

**Historical Context: North Meets South**

When considering the many dimensions of an Arctic thaw, it’s helpful to consider both the recent geophysical changes as well as the broader historical context, and in particular the long-term efforts to integrate the Arctic into the global system of states, a process under way since at least the 17th century, driven by both economic and strategic-military considerations. (See Fig. 6, Fig. 7, and Table 1) As the Arctic thaws, many believe the region will at last fulfill its long-dreamed economic and strategic potential. But other observers fear a catastrophe could unfold, as climate change unleashes a series of destructive positive feedback cycles. Further, it remains to be seen whether the thawing Arctic contributes to a more peaceful world, or stimulates greater strategic competition and conflict; the potential is there for both conflict and cooperation.

Over the centuries, interest in the Arctic and the commercial and strategic potential of its sea lanes and resources has been persistent, but climatic conditions prevented the region’s full potential from being achieved before now—holding back its development, and limiting its contribution to the world economy. This now looks to be changing—as a result of the rapid warming of the earth’s climate and accelerated ice melts, decades earlier than most had imagined could be possible.

This puts the region in play strategically, as the historic promise of unlocking its full potential renews interest in the region among numerous stakeholders. How should we think of these changes taking place? What are the strategic implications of these changes? And what tools can help us navigate the choppy waters ahead?

**Navigating the Arctic Transformation: Some Metaphors and Scenarios**

During the Cold War, with the threat of nuclear apocalypse hanging over all our heads, some strategic theorists sought to “think about the unthinkable,” and prepare for all potential scenarios that might unfold. Herman Kahn, a former RAND Corporation analyst and founder of the Hudson Institute, was amongst this era’s most colorful and controversial thinkers, inspiring the character of “Dr. Strangelove” in Kubrick’s popular dark comedy. One of Kahn’s books was called *On Escalation: Metaphors and Scenarios*, and it sought to describe the various possibilities which might be faced in the event deterrence failed, in order to help his readers comprehend the full range of strategic outcomes that might unfold.

With the stakes of climate change so potentially high, in the Arctic and around the world; and with the clash between the optimists and pessimists every bit as intense as that witnessed during the Cold War’s doctrinal debates, a look at some metaphors and scenarios for our age makes considerable sense:

1. **The “End of the Arctic”—Strategic Challenges and Apocalyptic Fears**

Some have postulated that what we think of as the Arctic is actually coming to an end, and that we now stand at what might very be the threshold of a “post-Arctic” world. The Arctic Ocean and its increasingly active basin will of course still be there—more obviously so as the ice retreats. But its currently dominant characteristics are changing rapidly—in particular the massive, permanent,
continent-sized barrier of multi-year ice that sits atop the pole, which could in time disappear. As the ice pack retreats, the polar barrier that marked the very “ends of the earth,” or what was long ago called “ultima thulé” has the potential to become a trans-polar crossroads, and already shipping experts are considering potential routes across the top of the world between Asia and Europe. What Rob Huebert and Brooks Yeager call a “New Sea” in their January 2008 World Wildlife Fund Report will soon emerge, and what was once the “ends of the earth” now has the potential to become its center, a profound transformation from “terra incognita” to a true “mediterranean.”

The concept of a post-Arctic world is not a new one. One of the first to articulate this concept was Canadian journalist Ed Struzik, who authored a 1993 *Equinox Magazine* article titled, appropriately, “The End of the Arctic?” More recently, of course, is Al Gore’s “Inconvenient Truth” thesis which echoes Struzik’s earlier argument that we are witnessing the end of a unique part of the earth’s heritage. Gore goes further, suggesting a potential global catastrophe that threatens to end most life on our planet. Even if such an Apocalyptic end does not result from climate change, Arctic peoples and their governments will have to contend with the impacts of shifting wildlife migration patterns, coastal erosion and permafrost thaws that jeopardize much northern infrastructure. And even new opportunities such as increased trans-polar shipping will bring new risks and challenges, especially as multi-year ice breaks up and drifts south into the emergent sea lanes, requiring much investment and infrastructure development to ensure adequate safety, search and rescue, environmental cleanup, and marine service capabilities are in place.

2. The “Age of the Arctic”—Strategic Opportunities and Hegelian Synthesis

There are also many optimists who see us standing at the start of a new era, much like Francis Fukuyama viewed the end of the Cold War as a Hegelian “End of History,” and the dawn of a new era of hope. This more optimistic viewpoint believes we’re now entering the dawn of the “Age of the Arctic,” the title of the well known book and 1986 *Foreign Policy* article by Oran Young or as described by the phrase made famous in 1973 by former Alaska Governor Walter Hickel, that we’re approaching the “Day of the Arctic.”

One can look even further back, all the way to William H. Seward’s 1853 “Destiny of America” speech that predicted the expansion of America to include “new equal States, alike free, independent and united” whose borders “shall be extended so that it shall greet the sun when he touches the Tropic, and when he sends his glancing rays towards the Polar circle.” (Seward helped fulfill his prediction when he negotiated the purchase of Alaska from Russia in 1867—though at the time he was much criticized for “Seward’s Ice Box,” or “Seward’s Folly.”)

3. The “New Sea”: A Modern Mediterranean?

Whether we stand at a precipice before the tragic “End of the Arctic,” or at the gateway to the promising “Age of the Arctic,” depends ultimately on whether we approach the climate issue with hope or fear, and whether we anticipate great opportunity, or severe danger. There is an intriguing metaphor, one that is neither optimistic nor pessimistic but nonetheless transformative, that of the “New Sea.”

A glance at a Cold War-era polar-centric map would shows the two superpowers standing face-to-face across their common polar frontier, with the North Pole at the very center of the world. This would make the Arctic Ocean appear to be the modern-day equivalent of the Mediterranean of ancient times. But before an Arctic thaw seemed plausible, a comparison of the contemporary Arctic to the ancient Mediterranean would seem to overstate the case dramatically.

Climatic conditions limited the potential for Arctic integration and development. In actual fact the region served more as a barrier between these two worlds—a military frontier augmented by its
geophysical impenetrability. The DEW Line in the 1950s was thus able to establish a stable Arctic “Maginot Line,” or more properly a continental “trip-wire,” keeping watch over this northern frontier that separated the two superpowers. (See Fig 8, Fig 9)

But with the prospect of an Arctic thaw, the “New Sea” metaphor has the potential to redefine Arctic geopolitics, as the Arctic emerges as a true strategic crossroads, a literal “medi-terranean” or “middle of the world.” When thinking about the “Age of the Arctic,” and the promise of the Arctic’s future, another map comes to mind—that of a Medieval wheel map with Jerusalem as the spiritual, political, and strategic center of the world. Metaphorically, maps of the Arctic—during the Cold War, as well as today—resonate with the same sense of geostrategic centrality to the emerging world. But only now, with a thaw conceivable, is the region’s full potential achievable. (See Fig 10)

4. Geopolitical and Perceptual Asymmetries of a Thawing Arctic

Some basic conceptual building blocks of geopolitics are helpful to assess the implications of an Arctic thaw. The famed geopolitical theorist Sir Halford John Mackinder articulated a taxonomy for geopolitics that is still in use today—such as Heartland, Rimland, Inner- and Outer crescents, and his more recent Midland Ocean concept that united the Atlantic alliance. He also introduced the lesser-known “Lenaland” concept, which is especially important to Arctic geopolitics, named for Siberia’s Lena river valley, cut off from the world by climate and isolation. (See Fig 11)

For most of human history, the Arctic has been mostly a “Lenaland,” cut off economically and strategically from the world. The Arctic has always presented us with a geopolitical riddle shrouded in ambiguity: part sea, part desert, making it at once a strategic buffer, but potentially a strategic crossroads. To the Russians, the Arctic is perceived to be an extension of their Heartland; Moscow’s assertive claims to the Arctic basin and its creative polar diplomacy in the summer of 2007—when it planted a flag at the polar sea bottom, setting off all sorts of alarms—were a powerful reminder that the Arctic is considered strategically vital to Russia. As for U.S.-Canada Arctic relations, we should also keep in mind that the Arctic composes some 40% of Canada’s land mass and is central to Canadian identity, from the spiritual connection to an “Arctic sublime” within the Canadian national identity, or a strategic recognition of the Arctic’s resources to Canada’s economic future, a view reflected in the “use it or lose it strategy” of Prime Minister Harper’s government.

Yet only a fraction of America’s territory is Arctic, mostly neglected—and even during the battle for the Aleutians, America never felt truly threatened by the military occupation by our mortal enemy of isolated Subarctic territory and waited a year to retake Attu and Kiska. Canada, meanwhile, has had several diplomatic clashes with its Arctic neighbors, from the Danes over tiny Hans Island midway between Canada and Greenland, to various disputes with us over the sovereignty of the Northwest Passage. This summer, our coast guards conducted a joint mission in Arctic waters, recognizing that an assertive Russia is a greater threat to regional security, and helping to foster a more collaborative partnership on Arctic security.

If the Arctic states have fundamentally different geopolitical perspectives on the Arctic, it could lead to misperceptions, escalation of conflict, perhaps even war in the worst case. With the advent of an Arctic thaw, the question we must ponder is how each Arctic state perceives the transforming Arctic geopolitics—and to be sensitive to these differences in the conduct of our diplomacy and military policies. Doing so will help prepare us for the road ahead, and to be ready for inevitable conflicts while strengthening partnerships whenever possible, prioritizing threats and crafting lasting friendships and alliances.
5. New Challenges of a Rapid Ice Retreat

The Arctic ice has been melting further and faster than predicted, and the prospect of a navigable, ice-free Arctic Ocean is no longer the stuff of imagination, and in 2007, a new record ice minimum was set, and while this past summer the ice did not retreat as far—something else did happen that has much metaphorical significance, and which hints at economic and strategic significance: the Northwest and Northeast Passages both became ice free at the same time. (See Fig 12) Huebert and Yeager, in their “A New Sea” report, noted the earth:

is at the threshold of historically unprecedented ecological change. . . . The question is whether the arctic nations are willing and able to strengthen their existing cooperative arrangements to manage this transformation, conserve the critical resources of the arctic marine environment, while ensuring that northern peoples can benefit from the new opportunities and at the same time protect their traditional way of life. This is a daunting task that needs to be tackled sooner rather than later.

Recent diplomatic efforts, including the Ilulissat Conference of Arctic rim states held this past May, suggest there is much hope for a cooperative approach to border disputes and resource competition. At Ilulissat, the Arctic rim states pledged their commitment to resolving Arctic disputes through existing international law, and to utilize the Law of the Sea Convention as the primary mechanism to resolve disputes over territorial boundaries. This bodes well for the future. So does this summer’s joint icebreaker mission between the Healy and the Louis St. Laurent, demonstrating the benefits of a cooperative approach between Arctic neighbors.

But at the same time, there has been a remilitarization of the region, and increased diplomatic tensions between some Arctic states, especially as Russia continues to re-assert its role as an Arctic power. There is a risk that inter-state conflict, rather than cooperation, could intensify.

As Michael Klare, an expert on resource conflict, has cautioned, “global warming will affect resource competition and conflict profoundly”—and while “global warming’s effects cannot be predicted with certainty . . . state collapse is a likely result along with an accompanying epidemic of warlordism, ethnic violence, and civil disorder.” When Russia planted its titanium flag on the polar sea floor, laying symbolic claim to the Pole on behalf of mother Russia last year—it quickly precipitated a round of reciprocal diplomatic and military moves between Ottawa and Moscow—including the announcement of Ottawa’s new “use it or lose it” strategy for Arctic sovereignty by Prime Minister Harper, and his plan to develop a new High Arctic naval base, to build a new fleet of offshore patrol vessels to guard the entrances to the passage, and later on, to add to its heavy icebreaker fleet. (See Fig 13)

6. Arctic Terror Risk

There has been some discussion of the risk of terror, framed largely by the global nature of the GWOT, and there are currently some valuable targets—including the Alaska Pipeline, pumping stations on the North Slope, the oil storage terminal at Valdez, the steady stream of full oil-tankers traversing the narrow waters of the Inside Passage along with vulnerable cruise ships all summer long, as well as a variety of soft targets associated with the summer tourist trade like the Alaska Railroad.

But there are much easier, more accessible, and more plentiful targets to strike far to the south. In contrast to the northern region, there is a deep crisis along America’s southern frontier, with some 5,000 fatalities on the Mexican side from the recent round of drug wars, with drug-related violence seeping across the border to U.S. territory; with a rich concentration of hard and soft targets within sight of the Mexican border, the terror threat along our northern frontier might be
much less salient than along our chaotic southern frontier, even as Arctic maritime activity increases.

When assessing the increased risk of terror as the Arctic ice thaws, one must consider the relative isolation, low population density, and shortage of high-value targets offered by the region for terrorists. However, borders in the Arctic are especially porous, with almost no border security along the Alaska-Yukon boundary, so an attack is feasible, increasingly so as the climate opens the Arctic basin to greater maritime activity. Even after 9/11 you could hike off-season over the Chilkoot, without any border controls, and in mid-summer, bypassing the one border station was never very difficult and required a short hiking detour.

There may be a greater risk of some sort of home-grown terror; Canada has faced numerous armed Native blockades, the most noteworthy being the 1990 Oka crisis, but as recently as the summer of 2007, Highway 401 was shut down as was the CN Rail corridor connecting Toronto to Montreal. But in southern Canada the Native population is under intense pressure with much of its historic land base gone, while in the Arctic the opposite trend has been unfolding—with Native land claims restoring title to much of the land base, with additional powers beyond those lands—increasing domestic security. And with programs like the Northern Rangers further solidifying the relationship between tribe and state much like the Territorial Guard did during Alaska’s World War II and Cold War experience, it is more likely in my estimation that the indigenous people of the region will contribute to regional security rather than undermine it.

7. New Thinking: An Age of Transformation

As we think about the Arctic transformation, we should remember that this is a new chapter of history, with the potential for new ideas and innovation. The post-war division of Europe after World War II is long past, communism as a competing ideology is defeated, and as a result, the future Arctic need not be divided, nor become the stage for a new cold war to play out. There are and always will be border disputes, genuine conflicts of an economic, diplomatic and military nature. But there is also a chance to start fresh and forge new relations in the Arctic.

Soviet Premier Gorbachev had such a vision for the Arctic at the Cold War’s end, expressed in October 1987 in his Murmansk Initiative, which called for the Arctic to become a “Zone of Peace,” and to lead the way forward to an end of the Cold War. But events quickly sped beyond his control, with the fall of the Berlin Wall more speedily integrating East and West than his Arctic diplomatic efforts. But the idea was a good one, and perhaps worth revisiting. At Ilulissat this past May, a similar vision of an Arctic united and governed by international law was asserted; it remains to be seen if this vision ultimately triumphs. It is possible that the Arctic basin will become a new arena for cooperation between Russia and the West, much as Gorbachev foresaw at Murmansk.

But if Russia is going through something of a Weimar transition, with a neo-nationalist and imperial backlash to follow, we should be prepared for things to go the other way. But on the chance Russia remains committed to democracy, a pro-actively cooperative Arctic relationship could help to reassure Moscow that a collaborative path is possible and mutually beneficial. Just as the U.S. and Canadian coast guards joined forces this past summer in the Arctic to map the sea floor, inviting Russia to collaboratively participate in more scientific, search and rescue, and commercial activities, could help to transform the relationship and bury the hatchet once and for all. The opening of the maritime “Arctic Bridge” linking Russia’s Murmansk Port to Canada’s Port of Churchill in 2007 was thus an important milestone, illustrating the potential for collaboration over competition. (See Fig 14)

But much depends on the evolution of political attitudes in all of the Arctic states, and whether the political climate warms along with the geophysical climate. It is notable that at Ilulissat, only the
top foreign affairs officials of the Arctic rim states were present, suggesting that even as they pledge to collaborate in their efforts to resolve future Arctic disputes, they have yet to fully integrate the input of the region’s inhabitants, and in particular its indigenous peoples. But on the other hand, the meeting took place in Greenland, and not a southern capital like Copenhagen or Washington or Ottawa; and further, it pledged to walk the path of cooperation, not conflict. Both are important steps forward. The next step should be to broaden the circle of stakeholders, so that the dynamic and creative efforts of the indigenous peoples of the region, and their many interests and perspectives, can help to shape the world’s response to the changes taking place.

America’s New Arctic Policy: A Sea Change

Such a shift—toward greater inclusion of the numerous tribal, national, and international actors on the circumpolar stage—was evident in the first comprehensive re-articulation of U.S. national policy on the Arctic region since 1994. In National Security Presidential Directive 66/Homeland Security Presidential Directive 25 (NSPD-66/HSPD-25), issued by President Bush on January 9, 2009, among the six policy objectives identified in Section III, A were to “4. Strengthen institutions for cooperation among the eight Arctic nations” and to “5. Involve the Arctic’s indigenous communities in decisions that affect them.”

This is historically significant, and demonstrates an increased awareness of the growing political and economic participation of the Arctic peoples in governing their own affairs as well as a continued commitment to a collaborative, multi-national approach to solving the region’s challenges. Also of significance: while the very first policy objective listed in Sec. III, A is to “1. Meet national security and homeland security needs relevant to the Arctic region,” the second is to “2. Protect the Arctic environment and conserve its biological resources,” and the third to “3. Ensure that natural resource management and economic development in the region are environmentally sustainable,” which will directly benefit the foundational pillars upon which the indigenous Arctic cultures depend for their cultural, nutritional, and economic survival. That the sixth policy objective listed is to “6. Enhance scientific monitoring and research into local, regional, and global environmental issues” reinforces America’s renewed commitment to multilateralism at the top of the world, and increasing environmental knowledge at all levels, from the local to the global, during this time of Arctic transformation.

This important dimension to the new U.S. Arctic policy was overlooked by many observers, in particular the op-ed pages of several Canadian newspapers that emphasized the national security and unilateral dimensions of America’s new northern policy. For instance, as The Calgary Herald opined in its January 15th editorial (“Arctic Sovereignty: No More Northern Lite”): “Just a week before the White House changes hands, it has released a new policy directive on the Arctic that calls for a more assertive American role. The bedrock of the policy is the same—that the U.S. considers the Northwest Passage international waters, not Canadian domestic waters. But the document also calls for a stronger U.S. presence in the Arctic for economic and security reasons and for a resolution of Arctic border disputes so the region’s natural resources can be better exploited.” The Herald also published an article on January 13th by Canwest News Service reporters Mike Blanchfield and Randy Boswell, titled “Bush Asserts Power Over Arctic,” which was linked to, and cited by Andrew C. Revkin on January 13th, in his widely read Dot Earth blog in the New York Times.

And, in a national news story in The Globe and Mail newspaper on January 14th (“Northwest Passage: Harper plays down threat to Arctic sovereignty”), Katherine O’Neill reported that Northwest Territories Premier Floyd Roland believes the “increased U.S. interest in the region is of deep concern and the federal government should respond with more than rhetoric,” as “too
much is at stake in the Far North.” O’Neill cited Premier Roland, who told her: “Let’s not lose it for the sake of being nice. Canada can no longer afford to maintain a passive approach to our northern interests.” O’Neill reported the new U.S. policy directive “reasserts the Americans' long-held claim that the fabled Northwest Passage is an international waterway, open to all. Canada argues that the route is an internal waterway.” She added the new policy “also states that the United States should develop a greater presence in the Arctic for security reasons, as well as resolve outstanding border disputes, including one with Canada in the Beaufort Sea, so it can tap into the region’s vast natural resources.” She cited from the directive the following: “The United States has broad and fundamental national security interests in the Arctic region and is prepared to operate either independently or in conjunction with other states to safeguard these interests.” She also cited Arctic security expert, Professor Rob Huebert, from the University of Calgary, who “said Mr. Bush’s directive has effectively ‘thrown a grenade into Canada-U.S. relations’ and that it will be interesting to see what the new president does with it. ‘This is a very blunt statement ... they didn’t play any political niceties here.’”

And yet, the detailed and nuanced approach the White House has taken, with its top level commitment to indigenous as well as global participation, and its holistic approach to the region’s environmental and ecological health as well as to continued scientific research in the interest of protecting this fragile domain, was not emphasized in the first round of commentary, analysis and opinion that greeted the release of the directive.

Clarifying its policy, on January 13th the U.S. State Department provided a statement in response to a question at its daily press briefing in which it explained: “The new directive is the culmination of an extensive interagency review process undertaken in response to rapid changes taking place in the Arctic, the principal drivers of which are climate change, increasing human presence in the region, and the growing demand for Arctic energy deposits and other natural resources. The directive focuses on seven broad areas of Arctic policy: 1) National security and homeland security, 2) International governance, 3) Extended continental shelf and boundary issues, 4) Promotion of international scientific cooperation, 5) Maritime transportation, 6) Economic issues, including energy resources, and 7) Environmental protection and conservation of natural resources.” It also noted that “States safeguard their national security interests in numerous ways, some on their own, and some in cooperation with others. The United States wants to cooperate with other governments in the Arctic. The best way to address both the challenges and opportunities of the Arctic is through cooperation. Any U.S. action would respect international law.”

Section III, B of the directive does address U.S. national and homeland security issues, and notes that “human activity in the Arctic region is increasing and is projected to increase further in coming years,” requiring the United States “to assert a more active and influential national presence to protect its Arctic interests and to project sea power throughout the region.” And, it does describe America’s Arctic national interests to “include such matters as missile defense and early warning; deployment of sea and air systems for strategic sealift, strategic deterrence, maritime presence, and maritime security operations; and ensuring freedom of navigation and overflight.” And, the directive does re-assert America’s long-held view of the Northwest Passage as an international strait. But to take away from directive only these policy issues, and not the many others that demonstrate a deep commitment to multilateralism and an historically unprecedented sensitivity to the needs, interests, and perspectives of the indigenous peoples of the Arctic, does a tremendous disservice, and suggests an incomplete reading of the directive.

For instance, Section III. C specifically addresses issues of international governance, noting U.S. participation in “a variety of fora, international organizations, and bilateral contacts that promote United States interests in the Arctic,” including the Arctic Council, which “has produced positive results for the United States,” and which also “provides a beneficial venue for interaction with indigenous groups.” Further, the directive urges the U.S. Senate to “act favorably on U.S. accession to the U.N. Convention on the Law of the Sea promptly, to protect and advance U.S.
interests, including with respect to the Arctic,” and doing so “will give the United States a seat at the table when the rights that are vital to our interests are debated and interpreted.” The directive calls upon American officials to “continue to cooperate with other countries on Arctic issues through the United Nations (U.N.) and its specialized agencies, as well as through treaties such as the U.N. Framework Convention on Climate Change, the Convention on International Trade in Endangered Species of Wild Fauna and Flora, the Convention on Long Range Transboundary Air Pollution and its protocols, and the Montreal Protocol on Substances that Deplete the Ozone Layer,” and to “consider, as appropriate, new or enhanced international arrangements for the Arctic to address issues likely to arise from expected increases in human activity in that region, including shipping, local development and subsistence, exploitation of living marine resources, development of energy and other resources, and tourism.”

Additionally, Section III, E commits the United States to continued promotion of international scientific cooperation, including “the sharing of Arctic research platforms with other countries in support of collaborative research that advances fundamental understanding of the Arctic region in general and potential Arctic change in particular;” and the “active involvement of all Arctic nations in these efforts in order to advance scientific understanding that could provide the basis for assessing future impacts and proposed response strategies.” Even Section III, F on maritime transportation in the Arctic, takes a collaborative approach, across not only the various levels of domestic governance but as well as across national boundaries, as “effective search and rescue in the Arctic will require local, State, Federal, tribal, commercial, volunteer, scientific, and multinational cooperation,” as “safe, secure, and environmentally sound maritime commerce in the Arctic region depends on infrastructure to support shipping activity, search and rescue capabilities, short- and long-range aids to navigation, high-risk area vessel-traffic management, iceberg warnings and other sea ice information, effective shipping standards, and measures to protect the marine environment.”

And Section III, G on economic and energy issues, directs U.S. officials to “seek to increase efforts, including those in the Arctic Council, to study changing climate conditions, with a view to preserving and enhancing economic opportunity in the Arctic region,” and that “such efforts shall include inventories and assessments of villages, indigenous communities, subsistence opportunities, public facilities, infrastructure, oil and gas development projects, alternative energy development opportunities, forestry, cultural and other sites, living marine resources, and other elements of the Arctic’s socioeconomic composition.” It also calls upon U.S. officials to “work with other Arctic nations to ensure that hydrocarbon and other development in the Arctic region is carried out in accordance with accepted best practices and internationally recognized standards,” and to “consult with other Arctic nations to discuss issues related to exploration, production, environmental and socioeconomic impacts.”

Lastly, Section III, H on environmental protection and the conservation of natural resources, notes with concern that “the Arctic environment is unique and changing,” and that “increased human activity is expected to bring additional stressors to the Arctic environment, with potentially serious consequences for Arctic communities and ecosystems.” As with the earlier sections of the directive, it calls for “cooperation with other nations,” so as to “respond effectively to increased pollutants and other environmental challenges,” and to “continue to identify ways to conserve, protect, and sustainably manage Arctic species and ensure adequate enforcement presence to safeguard living marine resources, taking account of the changing ranges or distribution of some species in the Arctic.” And for those species “whose range includes areas both within and beyond United States jurisdiction,” it calls upon the United States to “continue to collaborate with other governments to ensure effective conservation and management.” It also calls upon officials to “seek to develop ways to address changing and expanding commercial fisheries in the Arctic, including through consideration of international agreements or organizations to govern future Arctic fisheries; pursue marine ecosystem-based management in the Arctic; and intensify efforts to develop scientific information on the adverse effects of pollutants on human health and the
environment and work with other nations to reduce the introduction of key pollutants into the Arctic."

None of these issues suggest a go-it-alone attitude by the United States. Quite the contrary, it reflects an awakened awareness of the increased participatory role of indigenous peoples and international organizations in the management of the Arctic, and the continued need for a multilateral approach to managing the Arctic’s unique challenges in the years ahead. While the new policy does not reflect a change of perspective on the legal status of the Northwest Passage, or a softening in America’s commitment to freedom of the seas, it does suggest a sea change is underway in its perception of, and sensitivity to, the numerous challenges mounting at the top of the world as the ice continues its retreat, and the prospect of a post-Arctic world enters the realm of the possible. Most importantly, it shows a far greater sensitivity to the interests and perspectives of the indigenous peoples as well as America’s Arctic neighbors, and a willingness to work together in a joint effort to resolve these challenges in the years ahead.

Maps and Figures

**Figure 1: Early Colonization of the Arctic and Subarctic**

Left: Rupert’s Land was granted to the Hudson’s Bay Company in 1670. It was sold to Canada, becoming part of the NWT, in 1867. Right: Russian explorers first viewed Alaska in 1732, with landfall being made in 1741 during Vitus Bering’s expedition, and its first colony was established in 1784 on Kodiak Island.

**Figure 2: Modern War Makes its Way North**

Left: The Shenandoah in pursuit of Yankee whalers in Bering Sea in June 1865, destroying much of the fleet—even as the war came to an end. Right: The Japanese bombed Dutch Harbor in June 3, 1942, and seized the islands of Attu and Kiska a few days later.
Figure 3: Cold War ASW Activities Heat Up the Arctic Theater

Above: In August 1958, the Nautilus transited the Arctic basin and in March 1959, the Skate surfaced at the pole. Bottom: On its August 1970 surveillance mission, the Queenfish explored thousands of miles of the Siberian Arctic.

Left: The route of the Queenfish, bringing us into the era of Arctic submarine and ASW operations.

Figure 4: The DEW Line served as an Arctic “Maginot Line” against a trans-polar strategic attack.
Figure 5: Maps, Metaphors, and an Arctic Mediterranean

Figure 6: Arctic Geopolitics: From “Lenaland” to …?

Figure 7: Record Ice Melts Turn Dream of the Northwest Passage into Reality

Figure 8: A Thawing Arctic Precipitates a Resource Rush, with Diplomatic and Military Repercussions

Figure 9: Arctic Bridge Opens for Business, Linking Russia to Churchill by Sea

Churchill Gateway Development Corporation

Oct 17, 2007 11:50 ET

Port of Churchill Welcomes First-Ever Ship From Russia

CHURCHILL, MANITOBA--(Marketwire - Oct. 17, 2007) - The Churchill Gateway Development Corporation (CGDC) is pleased to announce that the first-ever ocean shipment from Russia has arrived at the Port of Churchill.

A Murmansk Shipping Company vessel, the Kapitan Sviridov, will unload a shipment of fertilizer imported by Farmers of North America, a farm membership-based organization. Upon discharge of the fertilizer, the Russian vessel will be loaded with 20,000 tonnes of wheat destined for Italy - part of the Canadian Wheat Board’s largest wheat shipping program through Churchill since 1977.

“This is an historic event,” said Lloyd Axworthy, chair of the Churchill Gateway Development Corp. “This vessel represents the first shipment under the Arctic Bridge concept linking Russian and Canadian Prairie markets. It is an important step forward.”
Table 1: Clash of Civilizations: Colonial Expansion, War and Conflict in the Arctic

The ongoing integration of the Arctic into world politics has been taking place over several centuries, and includes several historically significant events:

<table>
<thead>
<tr>
<th>Period</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>15th to 21st Century</td>
<td>The long quest for the elusive Northwest Passage, imagined as far back as the 15th century, and which gained momentum in the 18th and 19th centuries, and which was of intense interest to the British Navy, particularly during interwar periods; in recent years, the Passage has become ice-free in summer with increased commercial usage.</td>
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<td>17th to 19th Century</td>
<td>The colonization in Russian-America (1741-1867) and Rupert’s Land (1670-1869), a result of both the commercial expansion of European powers and their strategic military and economic competition.</td>
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<tr>
<td>19th to 20th Century</td>
<td>The rise of commercial whaling, which brought Nantucket and New Bedford whalers into the Beaufort and Bering Seas in the 19th century, followed briefly during the dying days of the Civil War by the Shenandoah—as the Confederacy sought to destroy the Yankee whaling fleet in the final days of the war. (This was the Arctic’s first oil boom, and one of its first resource wars.)</td>
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<tr>
<td>World War II</td>
<td>The 1942 Japanese invasion of the Aleutians, bringing the Pacific War to American territory, and demonstrating the strategic significance of Alaska to the modern world.</td>
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<tr>
<td>Cold War</td>
<td>The bipolar division of the polar region during the Cold War, and the region’s emergence as an important theater for submarine and ASW operations, and for strategic early-warning along the DEW Line.</td>
</tr>
<tr>
<td>Post-Cold War</td>
<td>The post-Cold War geopolitical and climatic thaw brings us to the current era of renewed economic activity in the Arctic basin, with increasing military and diplomatic tensions between the Arctic states in response to a resurgent Russia.</td>
</tr>
<tr>
<td>Ongoing</td>
<td>There has been an ongoing process of increasing political and economic integration of the Arctic’s indigenous peoples, culminating in the 1999 formation of the Nunavut Territory, with some aspiration for even greater political autonomy approaching formal independence occasionally articulated—as demonstrated during the November 26, 2008 non-binding referendum on Greenland’s autonomy, approved decisively with a 76% yes vote after a very high turnout of 70%. In response to these domestic pressures, most of the Arctic rim states have modified their assertions of sovereignty—engaging with the region’s indigenous peoples and building new, inclusive systems of economic and political management.</td>
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