



**Nunavut Imaliriyit Katimayit Qauyimattiarnikkut
Katimayut Water
Qiqaiyalarvia, 2018**

Havaanut Nayugaaniittuq



Angiqtauhimayuq Doris Nuat Havaangit (No.003 unalu 2AM-DOH1323)



Atuqhimayaat Titiqqaitigut Atuqtakhainit unalu Laisikhait - Doris



Havaangit Iltaridjutaat titiqqaitigut

- Titiraqhimayuq 2006 mi, Nuktiqhimayauyuq 2016 mi
 - Pitquivluni Igluliuqtunut. Pivallianikkut, Havaariningit, Umigutaa
 - Avatingnut atauttimuurniq hapumminingit
 - 2000 uqumaidjuhia ubluinnaatigut
 - Ahivarningit imait nakuuyut nakuunngittuluuniit nunamut makhuqtut hila mut Roberts Bay mut

Tukiliutaa A Imarnut Laisia 2AM-DOH1323

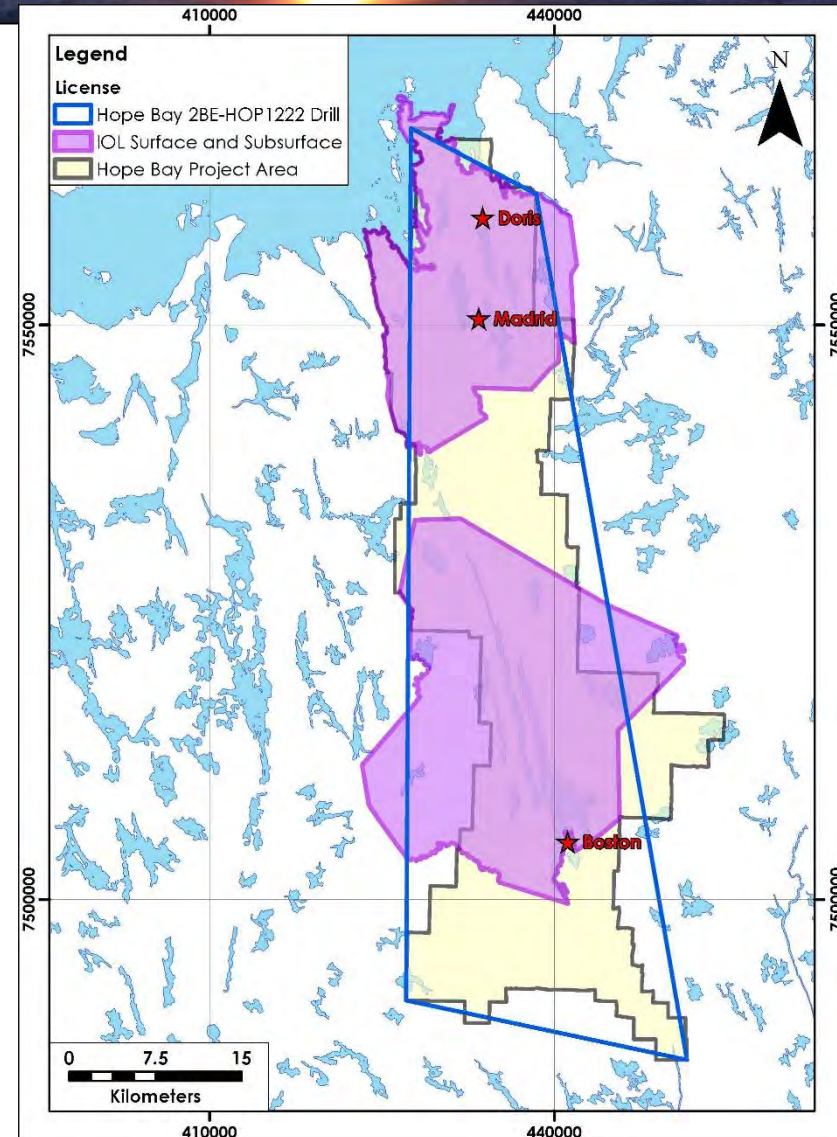
- Titiraqtaaqhimayuq 2007 mi, Nuktiqtauhimayuq 2016 mi, Aturnaqhutik hamannat 2013 mit 2023 mut
 - Imarnut Aturnaqtuq
 - Doris Tahiq - 480,000 m³ ukiungani – Uyaraqtarviuyuq Havaktauhimayurlu
 - Windy Tahia – 22,000 m³ ukiungani - Qanilrua
 - Himmauhiqtauyuq Imaq – umigviittuq – Havaktauyuq
 - 2.5 miliannit uqumaidjuhia Tulagviqarvia
 - Himmauhiffaarnianut Tutquumayangit - \$31 Milian taala

Tamaita auladjutingat malikhimayangit tamainnut Kavamatuqait Nunallaanut maligat maliguarutingillu

- Imaq nakuuyut nakuunngittut nunamut makhaqtut hila mut maliktuq Havigaliit Uyaraqtarviuyuq Makhaqtut Maliguarutit

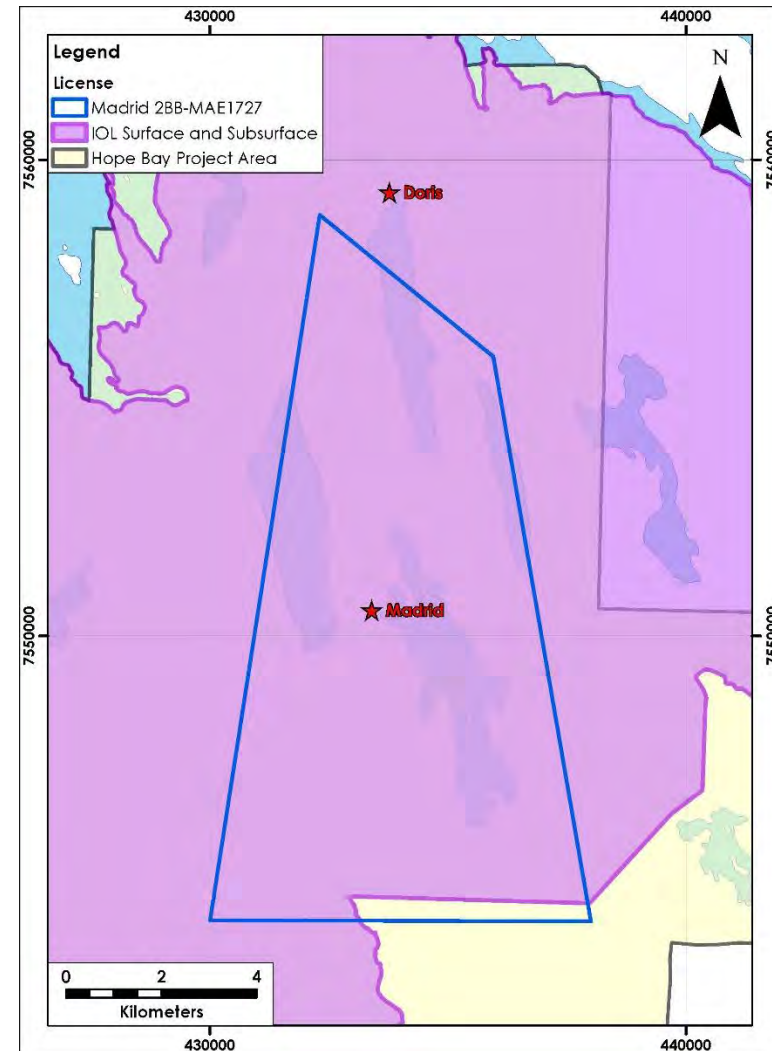
Tukinga BE Imaq Laisikhaa – Qauyiharniq

- Tukinga B Imaq Laisikhaa 2BE-HOP1222
- Titiraqhimayuq 2012 mi, Umingnia 2022 (atuqattaqtuq)
- Tamaat Kapihiliktuk Nanminiriyangit
- Titiqqaitigut atiliuqtaaahimayuq Hulidjuhiit
 - Qangaaniittumi Qauyiharnikkut Ikuukhutik
 - Imaq Atuqtangit – 343 m³ ubluinnaatigut.
 - Qanilrua imarmi atuqpaktangit uvani Doris Nayugaani
 - Hanalutik nutaamik nayugaanit (180 inungnit)



Madrid Tukinga BB Imaup Laisia

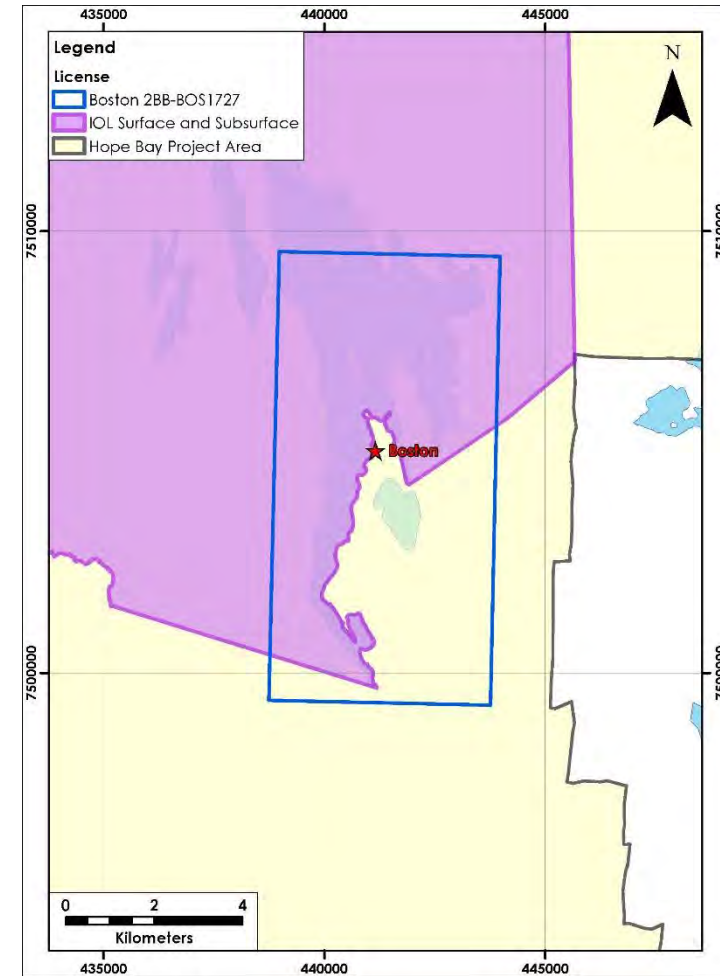
- Tukinga B Imaup Laisia 2BB-MAE1727
- Madrid Tununnga Hivuraanillu
- Titraqtauhimayuq 2017 – Umigutaa 2027 (atuqattarnaqtuq)
- Titirainnaqhimayumi atiliuqhimayut Hulidjuhiit
 - Qaangani nunaup iliani qauyiharnikkut
 - Ahivaqhimayangit 50,000 uqumaidjuhianit angiyaaqtuq uumanittut tamainnit Madrid Tununnga Hivuraanillu
 - Hanalutik qulaangit uyaraqtarvit apqutiillu
 - Agyaqhiilutik uyaqqat Doris Uyaraqtarvingnut
 - Imaq Atuqpagaat
 - 108,000 m3 alraarunmi, 295 m3 ubluita
- Himmauhiffaarluniuk Tutquumavingit (60 ublut huliyaakhaqaqtinnatik – tukhiutigiyangit)
 - Madrid Tununnga - \$4 milian taala
 - Madrid Hivuraa – \$3.1 milian taala
 - Apqutiit- \$17 tausan taala



Boston Tukung a BB Imaup Laisia

- Tukung a B Imaup Laisia 2BB-BOS1217
- Nutaannguqhimayuq 2017, Umigutaa 2027 (atuqattarnaqtuq)
- Titiqqaitigut aturnaqtuq Hulidjuhiit
 - Qaangani nunaup iluani qauyiharnikkut
 - Ahivaqtauhimayuq angiyaaqtut aadjikutaanit
 - Havaglutik qaangani uyaraqtarvikhat, apqutit nayurvingillu
 - Imaq Aturnaqtuq - 100 m³ ubluinnaa
 - Ukiumi apqutiliuqhimayut Doris mit
 - Hivunikhaq ilaliutauhimayut:

“...nayugaanit, uyaraqhiuqtut, ikuuktut, nalunaiqhiiyut, anginiqhangit ihivriugait hiquvluinyunillu kaliriiqhivik, nunaup iluani pivallianingit , aulattiyut haffumani uqhuryuaqarvik, nunamihiurvingit, nalunaiqhiiyunillu avataita kiglikhaat nalunairvikhaat kititiqhimaningit .”



Amiqhidjutiyanig Naunaipkaiyangillu



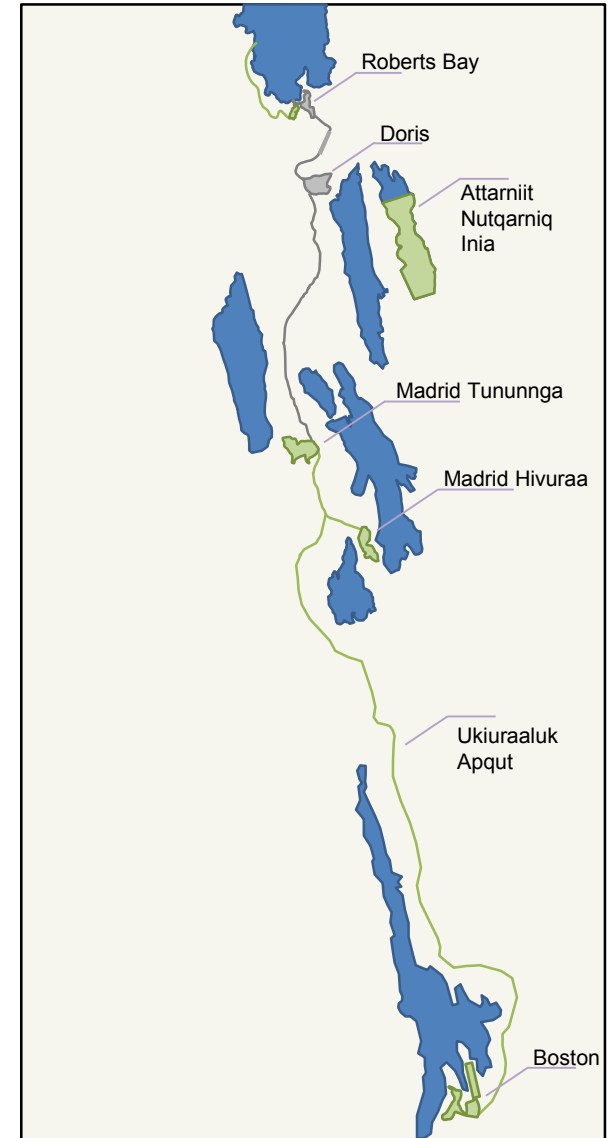
- **Imarmiuttat Atuliqtauyunut
Amiqhaidjutikhanut Upalungaiyaut**
- **Avatingnut Atuliqtauningit
Amiqhaidjutigiyanig Piliakhaq**
- **Qanilrukkut tautungnaqtut
Havaqatigiiktut Piliriakhaq**
 - o Tukung A Imaup Laisinga – tatqiqhiutigut
 - o Tukung B Imaup Laisinga (t) – tatqiqhiutigut
- **NWB Alaraarunmi Unipkaangit**
 - Tukung A unalu B Imaup Laisingik
 - Nutqarutaa Qiqailruq 31 mi

Havaariyakhaat nakuuqpiangit

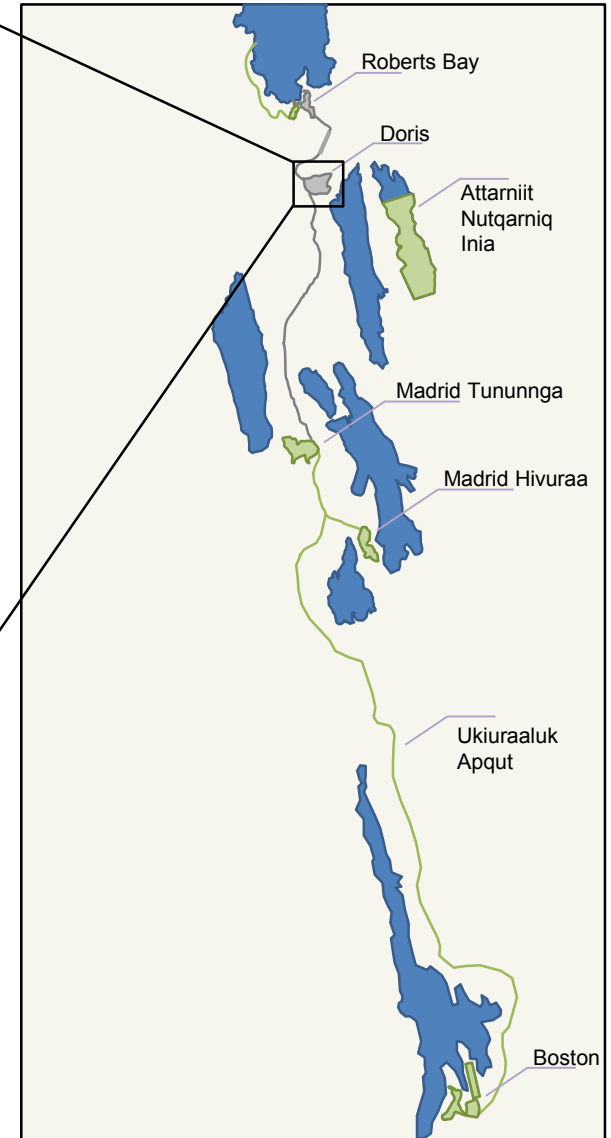
Madrid unalu Boston Nakuuqpiangit

Uyaraqtarviuyuq	• Nunaup iluani uyaraqtarviuyut unalu nanminiriyangit nunat uyaraqtarviniaqtangit himmauhingit
Aulapkaqhimayut	• Qaffiuyungnaqhiyut 6,000 uqumaidjuhianit uyarait havaktauhimayut ubluq atauhiq
Kululiuqhimaningit	• Kululiuqhimaningit Doris mi. Puyulik ihuqhiyut angiklivaktut uvani Madrid Tununnga Boston milu
Agyaqtuiniq	• Umiakkut agyaqhiyut tikitpaktuq Roberts Bay atuliqhugulu agyaqtuiyut tulagvinga apurvingalu • Kulu iluittuq tingmiyauvaktut maniliurahuaqtunut • Apqutit katilviuyut Madrid unalu Boston uvunga Doris unalu Roberts Bay
Havaarniq	• Tingmiyut utiqtaqtut hamanngat Edmonton mit Qitirmiunnut • 870 havaktiit havagluaqtut aulattittigaangat (qaffiuyungnaqhiyut 14 nit ukiunganit)
Havaatigut Ikayuuhiat	• Avvaqhautiit, uyararnut taaksiit aallat akiliakhait qaffiuyungnaqhivat \$500 milian taala qaangiqhimalugu Kapihiliktuk Havaangit inuudjuhia uumani Kanata, Nunavut, KIA unalu NTI (Doris ngungittuni)

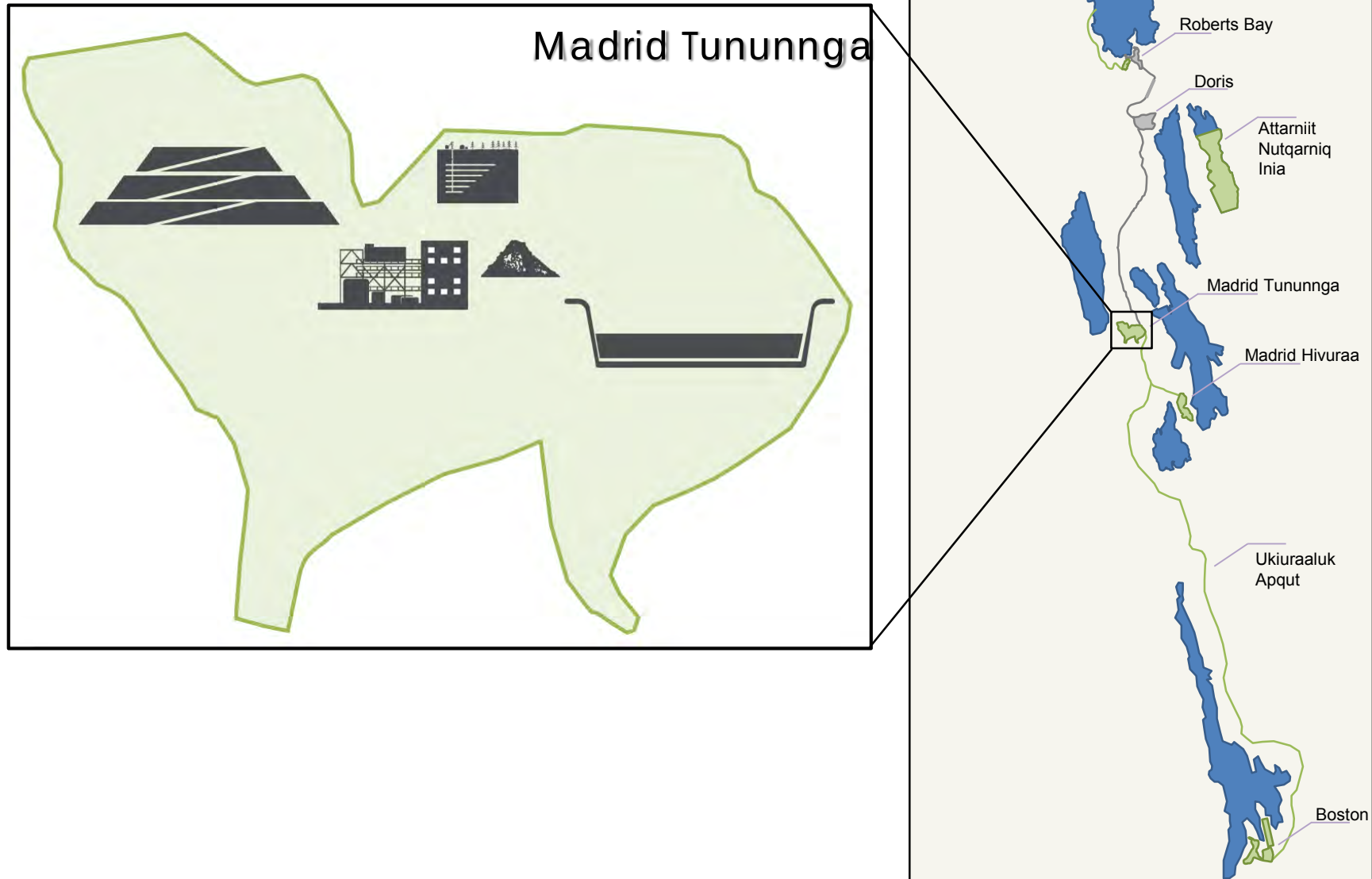
Kapihiliktuk Havaakhanut Tulagvia



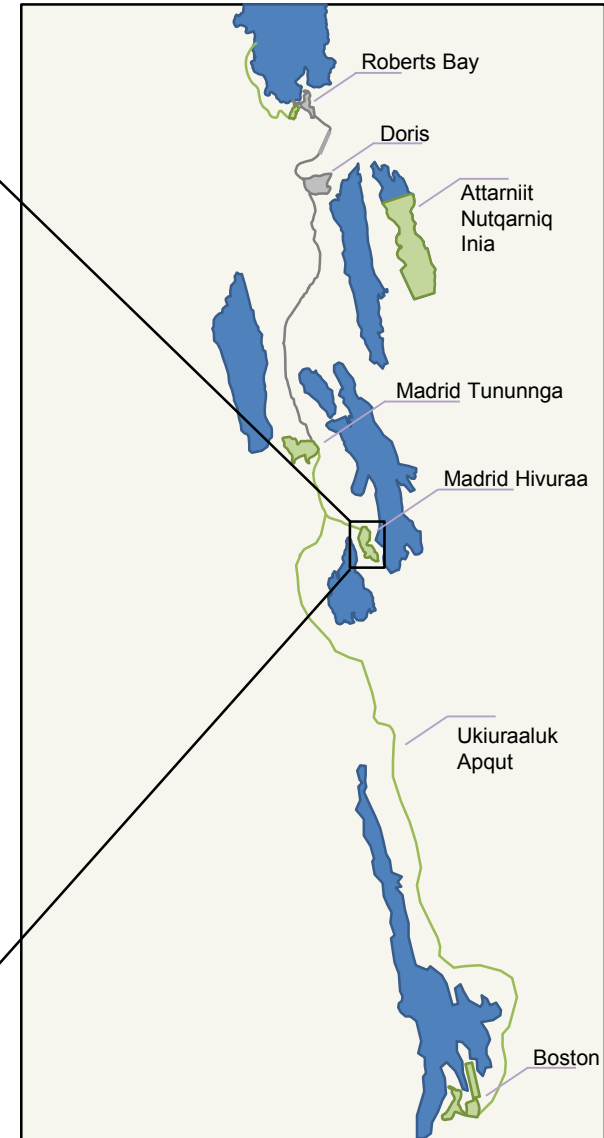
Kapihiliktuk Havaakhanut Tulagvia



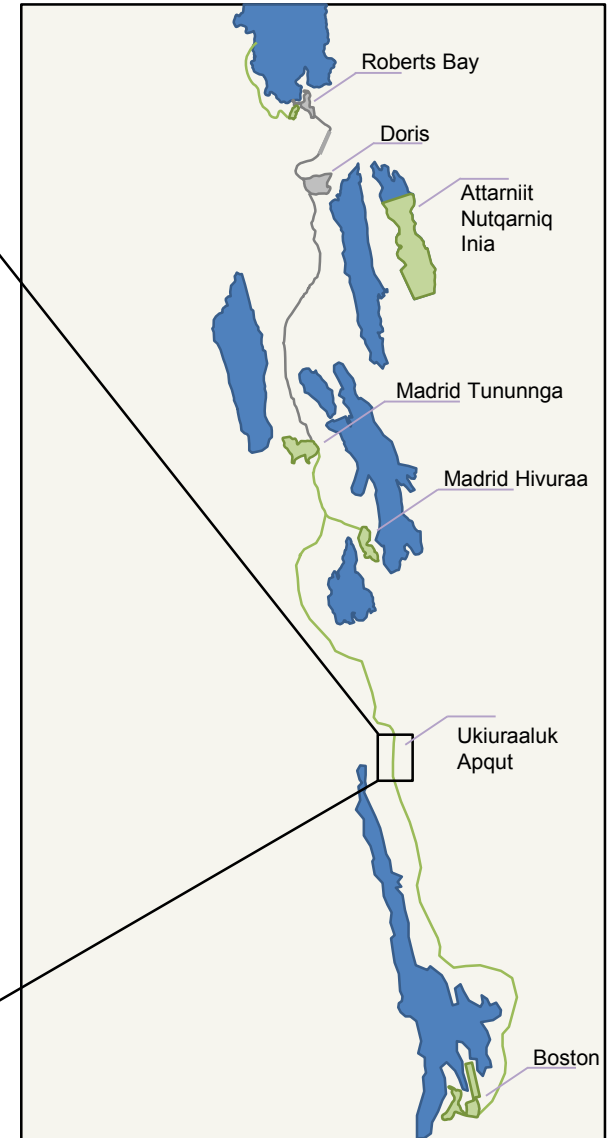
Kapihiliktuk Havaakhanut Tulagvia



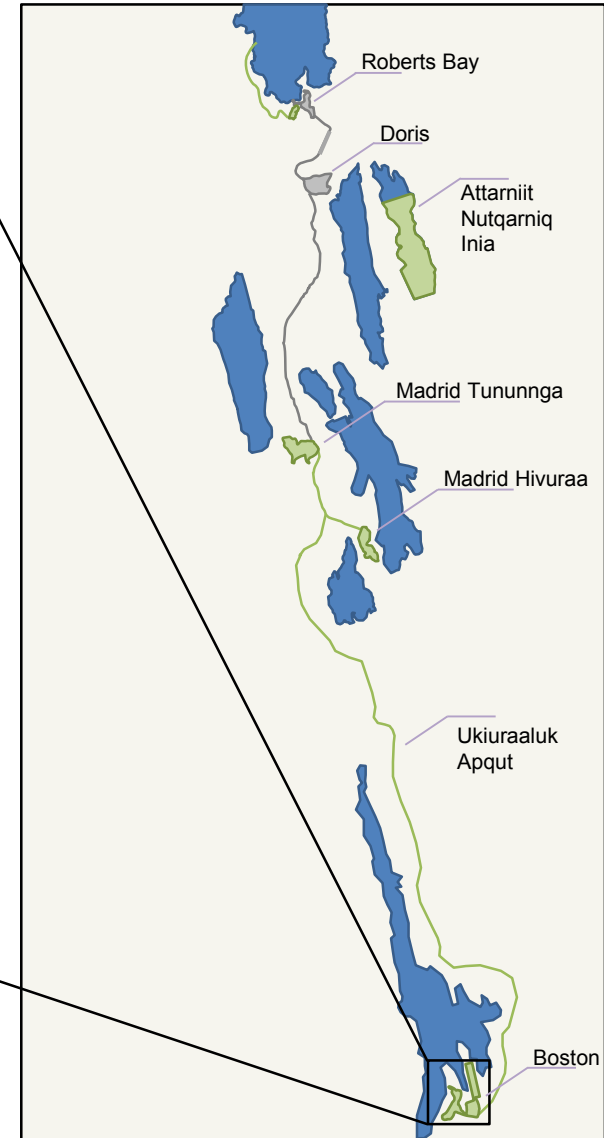
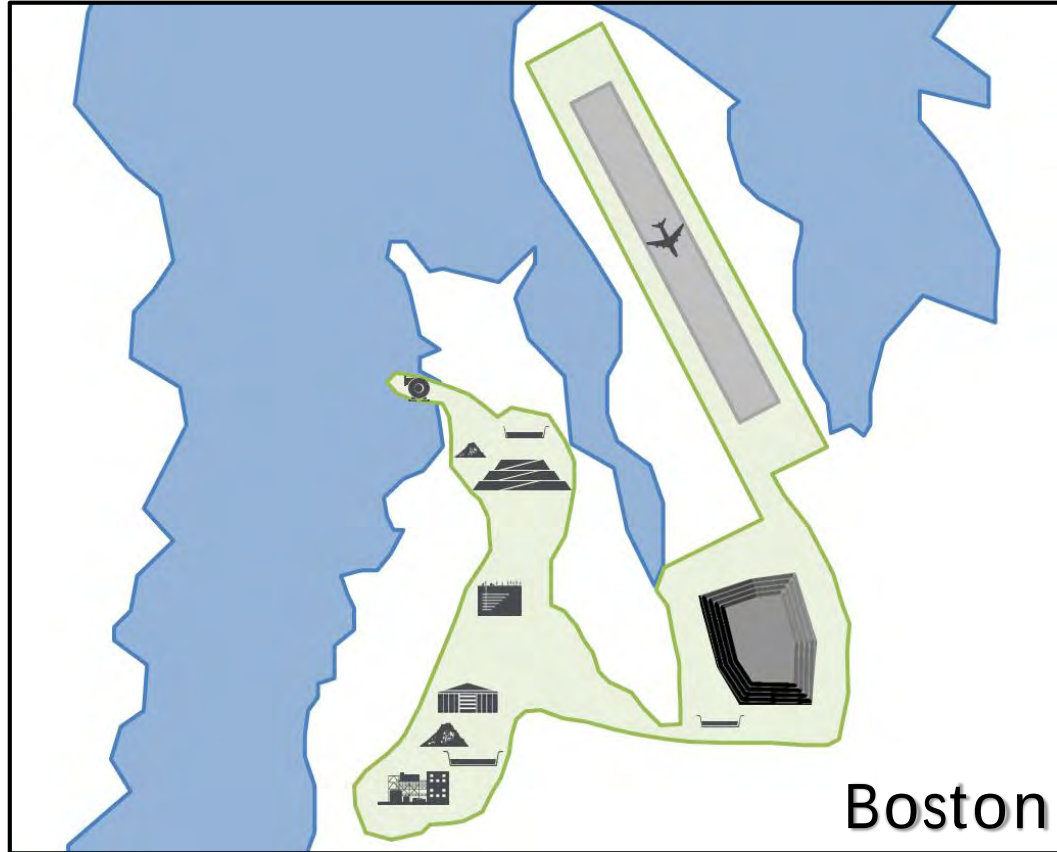
Kapihiliktuk Havaakhanut Tulagvia



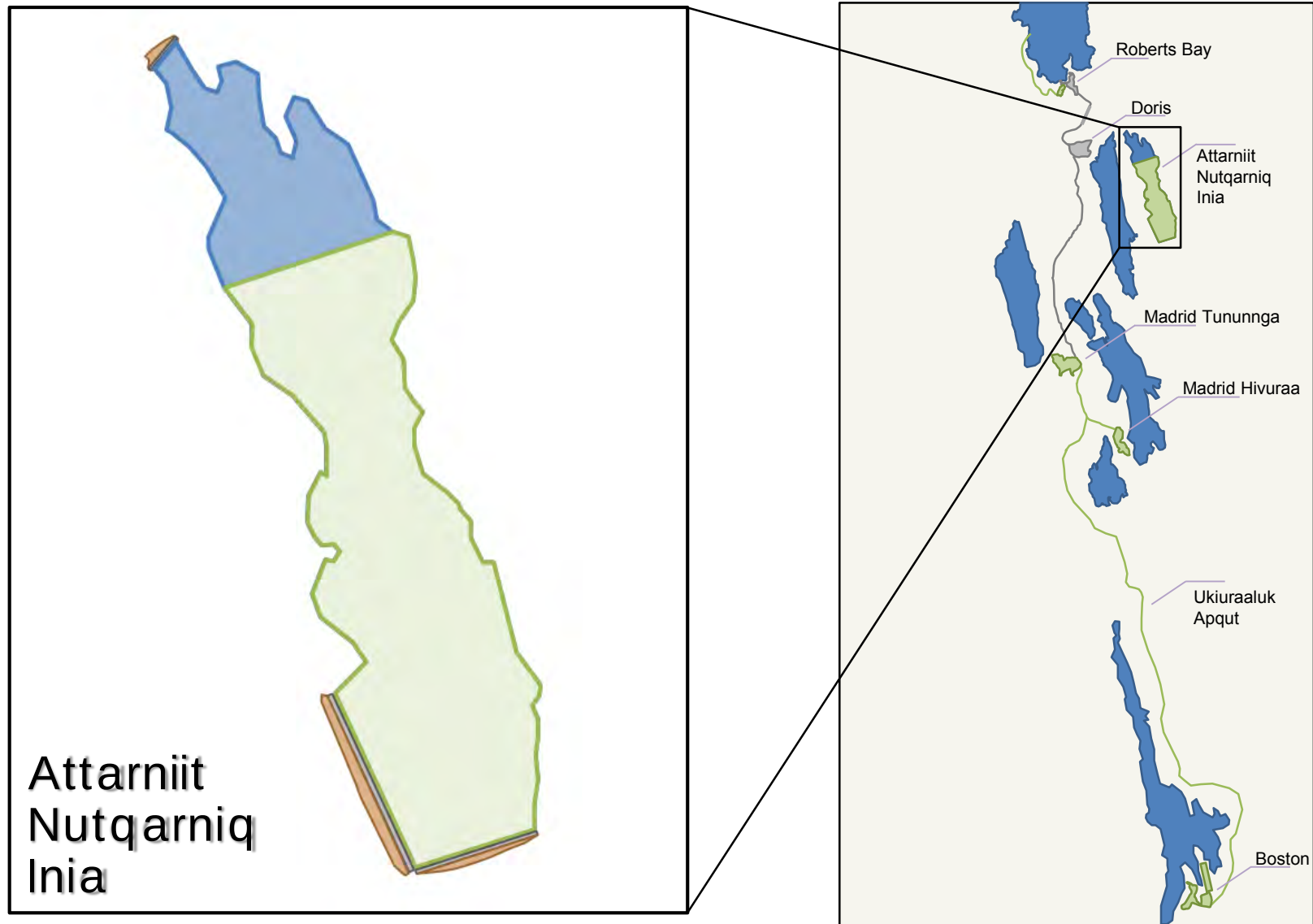
Kapihiliktuk Havaakhanut Tulagvia



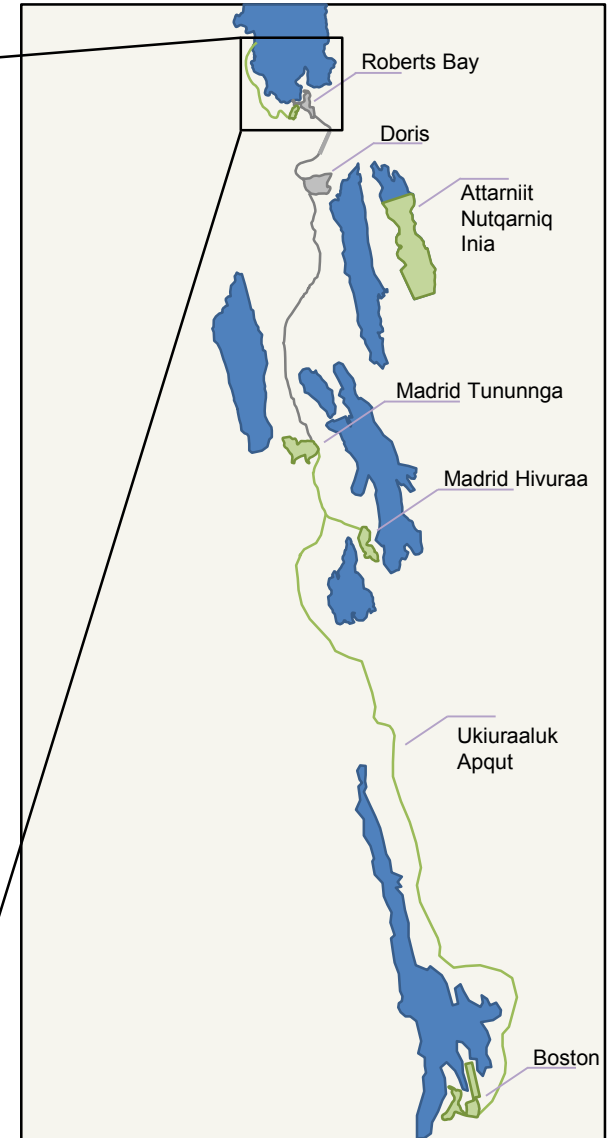
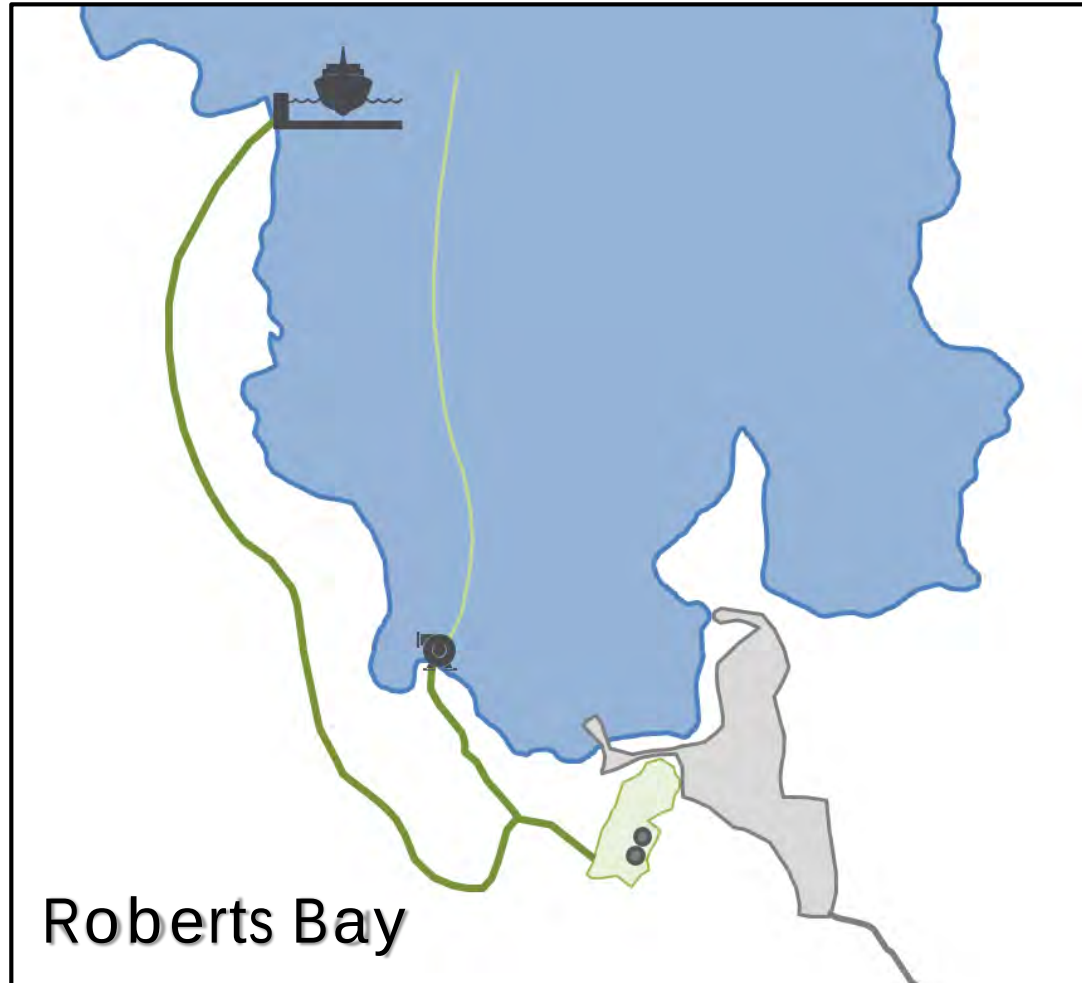
Kapihiliktuk Havaakhanut Tulagvia



Kapihiliktuk Havaakhanur Tulagvia



Kapihiliktuk Havaakhanur Tulagvia



Tukhiutigiyangit Aallannguqtiqhimayauyuq Nampangit 2 Tukinga



- **Hivunikhangit ilaliutigiyangit Doris, Madrid Nayugaat Ukiuraalungmi Apqutingit atuqpagaat**
 - Angikliktiqhimayuq 2AM-DOH1323
Aallannguqtiqhimayauyuq Nampangit 1
aulapkaivigivluniuk iluani Laisiata hivunikhangit tamainnut
uyaraqtarviit igluata huliyangillu aulapkaihimayut
malikhugu Tukinga B Laisiata 2BB-MAE1727
 - Nayugaat Havagviita Iningit – 400 inuit
 - Angikliktiqhimalugu TIA inikhangit uvunga 18 milian
uqumaidjuhanit
 - Imaup Atauttimuurniq:
 - Qanilruani hamannat Windy Tahia: 43,800
m³/ukiungani
 - Havagluarningit hamannat Doris Tahia:
1,930,000 m³/ubluinnaani
 - Nalunaiyarvik uvani Madrid
 - AWR uvunga Boston
 - **Pilaaghuni maniliuqtut uyaraqtarvik**

Havaanut Titiqqangit Iltaridjutta unalu Boston Tukung A Imaup Laisiata

- **Hivunikhangit:**
 - Hanalutik aulapkailugulu Boston Nayugaanit
 - Hiniktarvingit Iningit – 300 inungnit
 - TMA (aka TIA) iniaqtuq of 5.1 milian uqumaidjuhia
 - Imaup Atauttimuurniq:
 - Qanilruani hamangit Aimaokatalok Tahia 33,000m³/ukiukkut
 - Havagluarningit hamangit Aimaokatlok Tahiq 450,000m³/ukiukkut
 - 2400 t/d havaktauvingit
 - Aturnaqtuq imaup aturningit, huruqhimaningit munaqhiiyangit unalu havakhimayaat tamainnut nunaup qaangani igluqpaqarvikhanut
 - **Aaturnaqtuq maniliurahuarnikkut uyaraqtarviuyut**

Umigutaa Himmauhiuyut

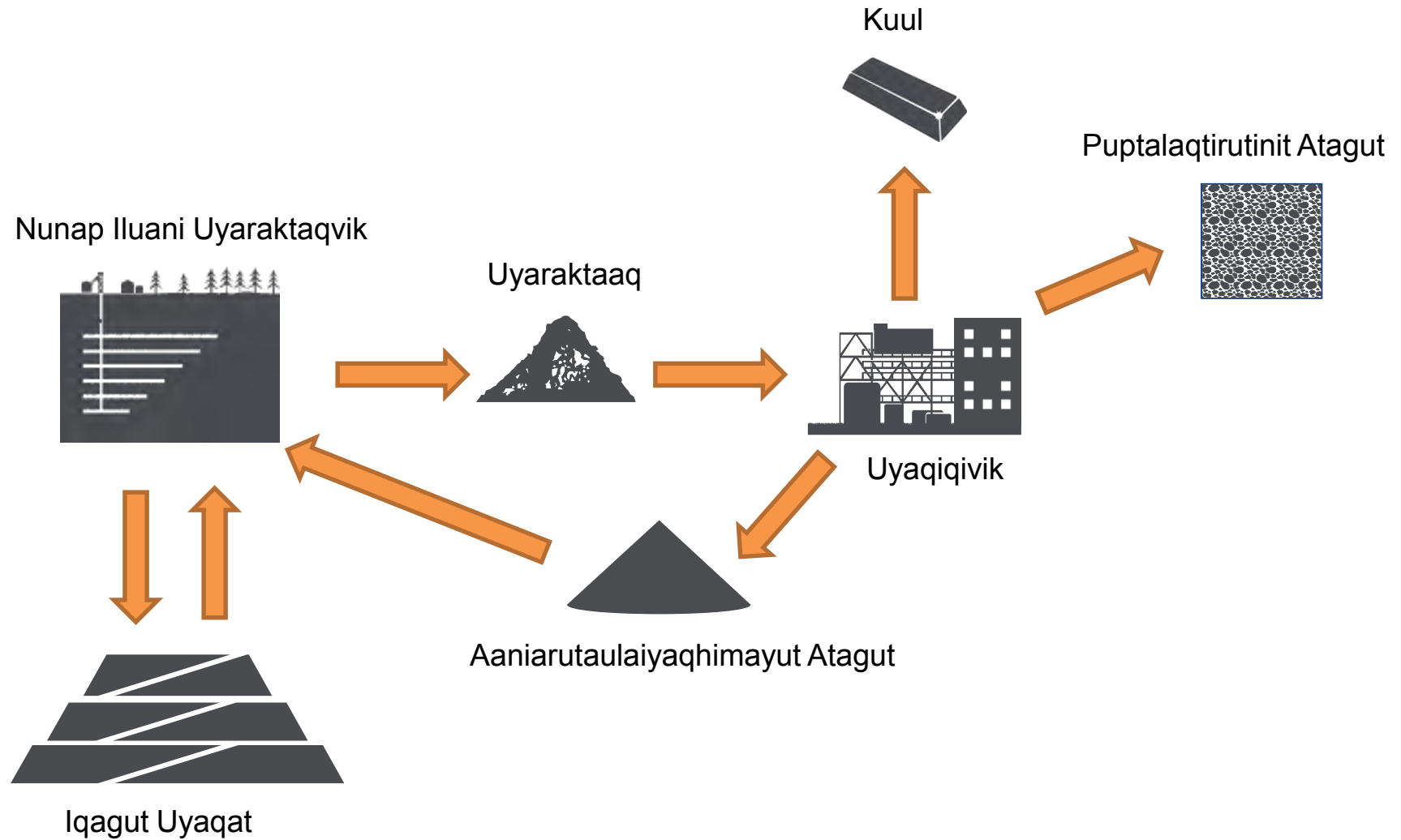
- Doris-Madrid Nutqallakhimaningit Himmauhiqtuiningit Upalungaiyaut nutaannguqtiqtauhimayuq
- Boston Ihumaliuqtaaqtangit Umigutaa Himmauhiurvikhangit Upalungaiyautingit havaktaaqqhimayangit
- Tamainnut hivunikhautikhangit uumani umigutaanit upalungaiyaqqhimayangit uvani Kapihiliktuk:
 - Timiutigut Naamangniq
 - Ilauruhiutigut Naammangniq
 - Hivuani aturnarniq hivunikhaliurutingit
- Upalungaiyarniq ilaliutigiyangit kiglingit kangiqhiplutik maniliqinirnut naammagiarniq



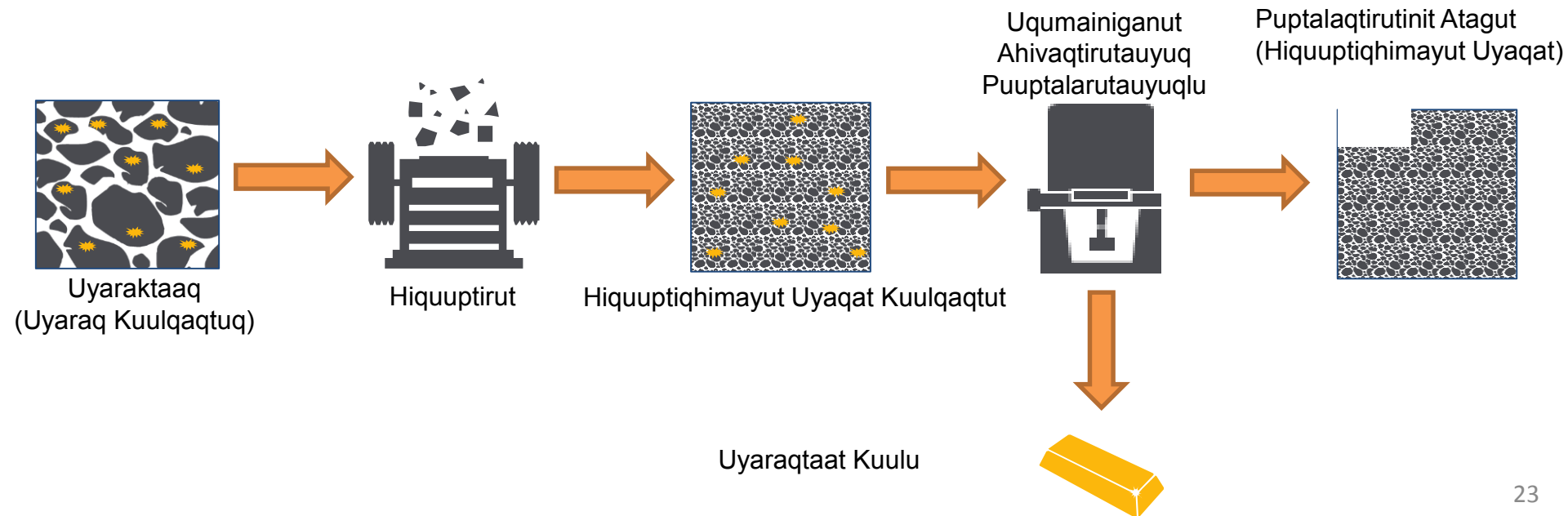
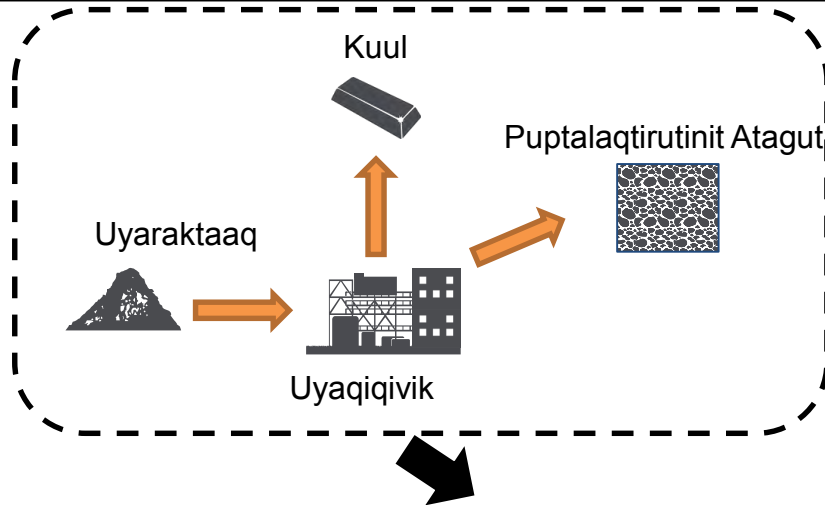


Ataguut Iqaguniklu Uyaqanik Munarijutit

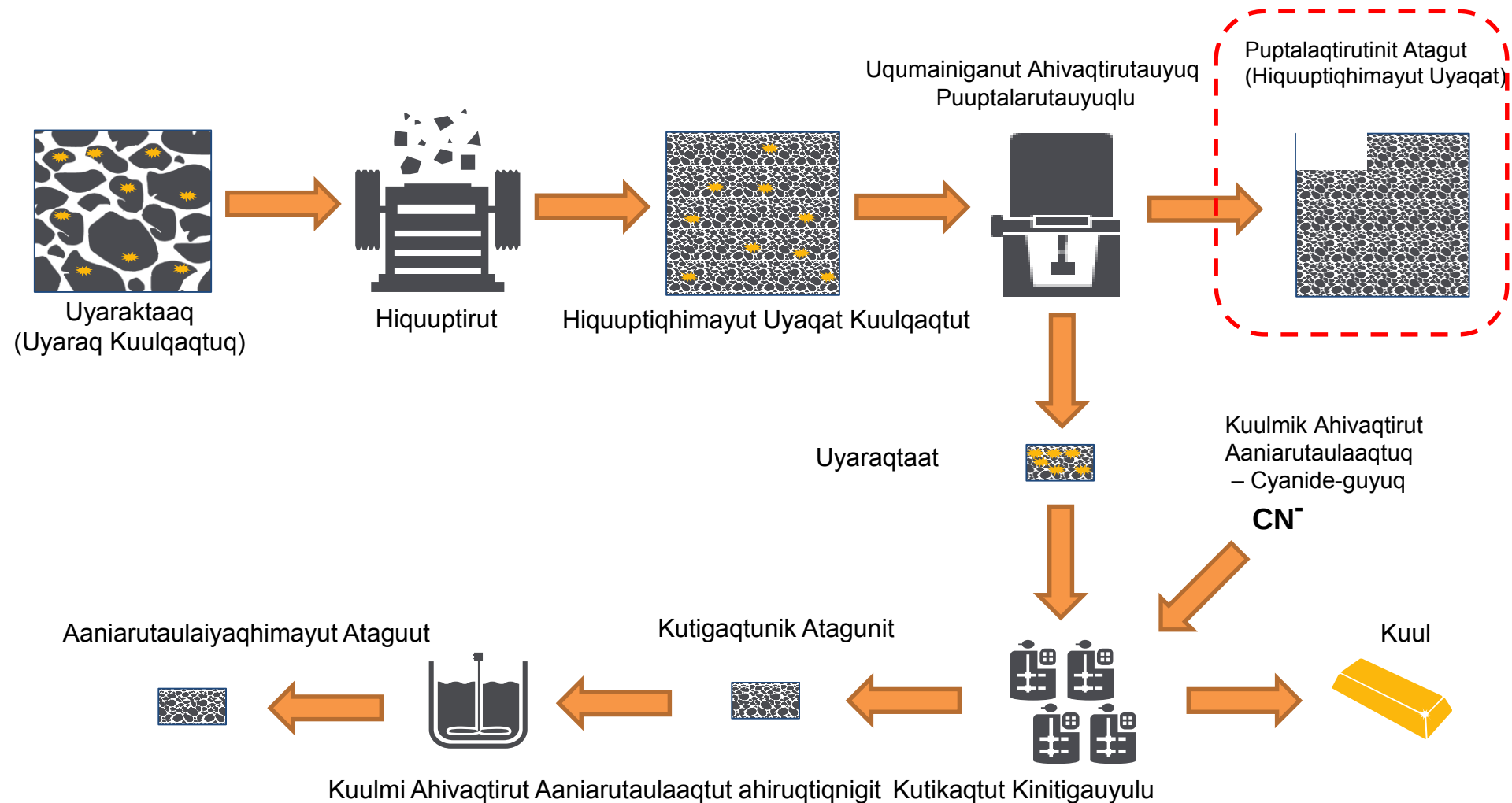
Ataguut Iqagulu Uyaqat



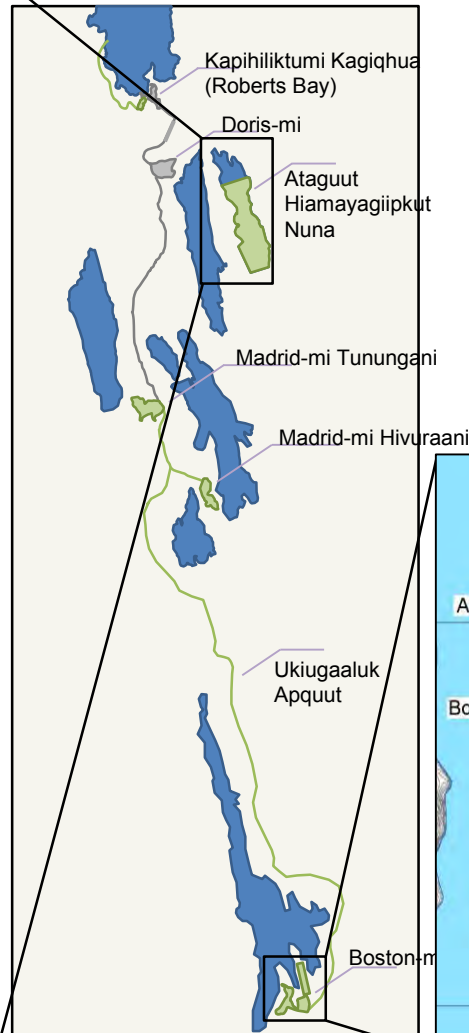
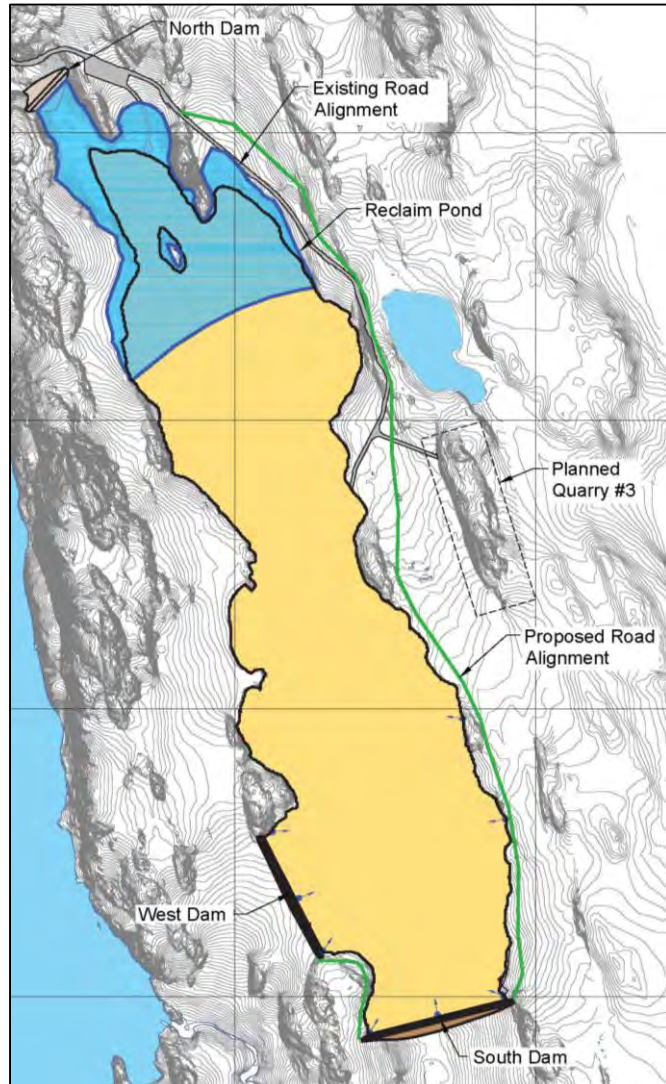
Puptalaqtirutinit Atagut



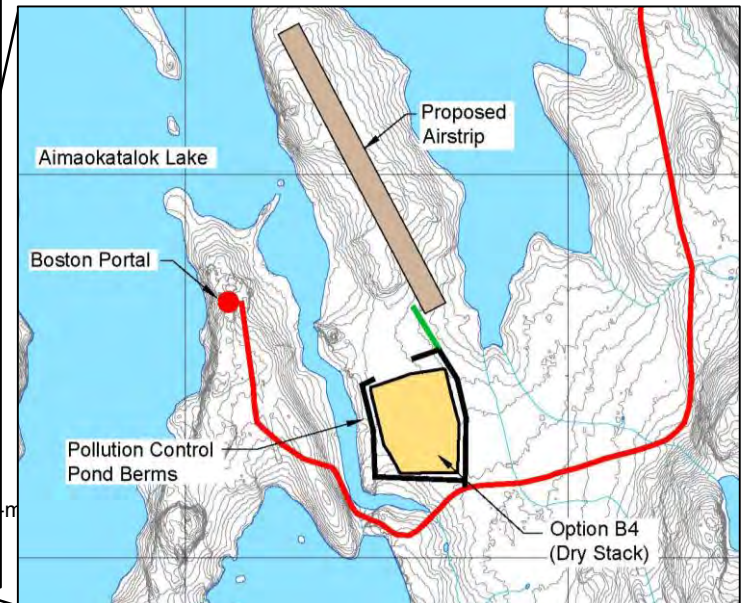
Aaniarutaulaiyaqhimayut Kutikaqtunik Atagunit



Ihivriuniga Atakuuqvik Munarinigagut



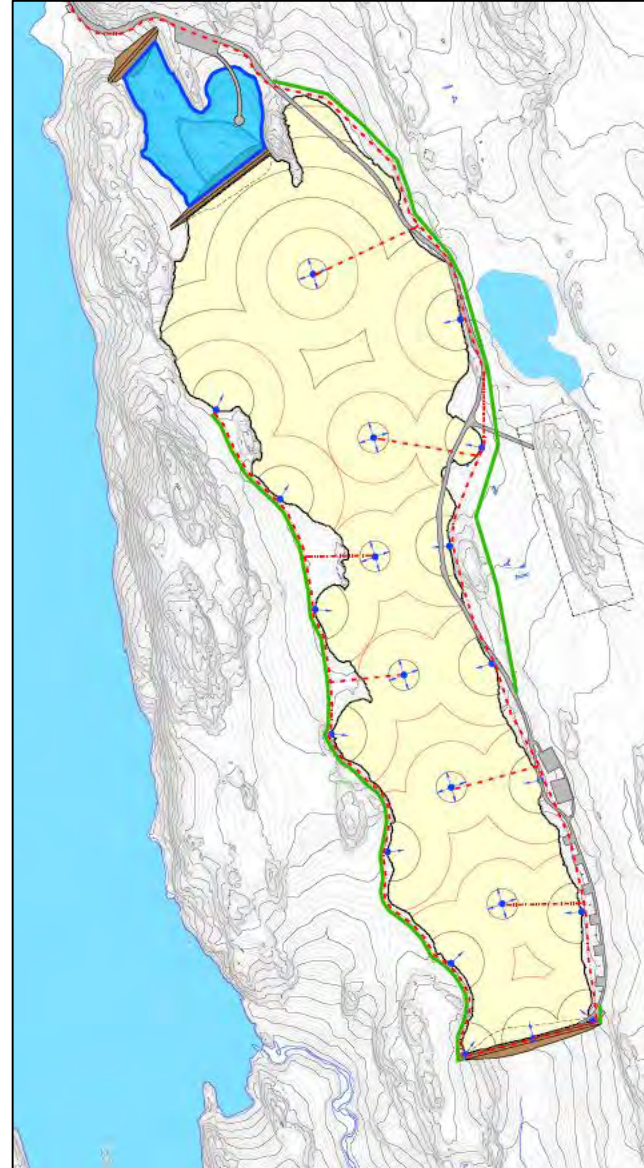
- Doris -mi Atuinagtunik Ataguuqviknik Nuna
- Boston –mi Paniumayut Qaliriiktiqhimayut Atagunik Munarijutinut Nuna



Ahiagut Ilituqhautit – Doris-mi

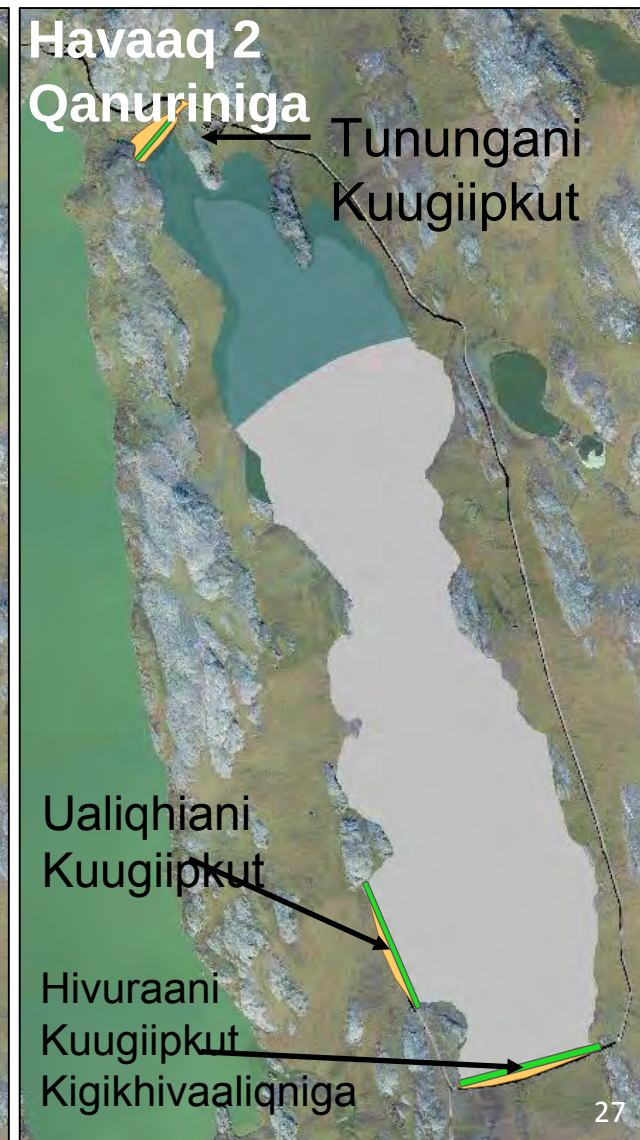
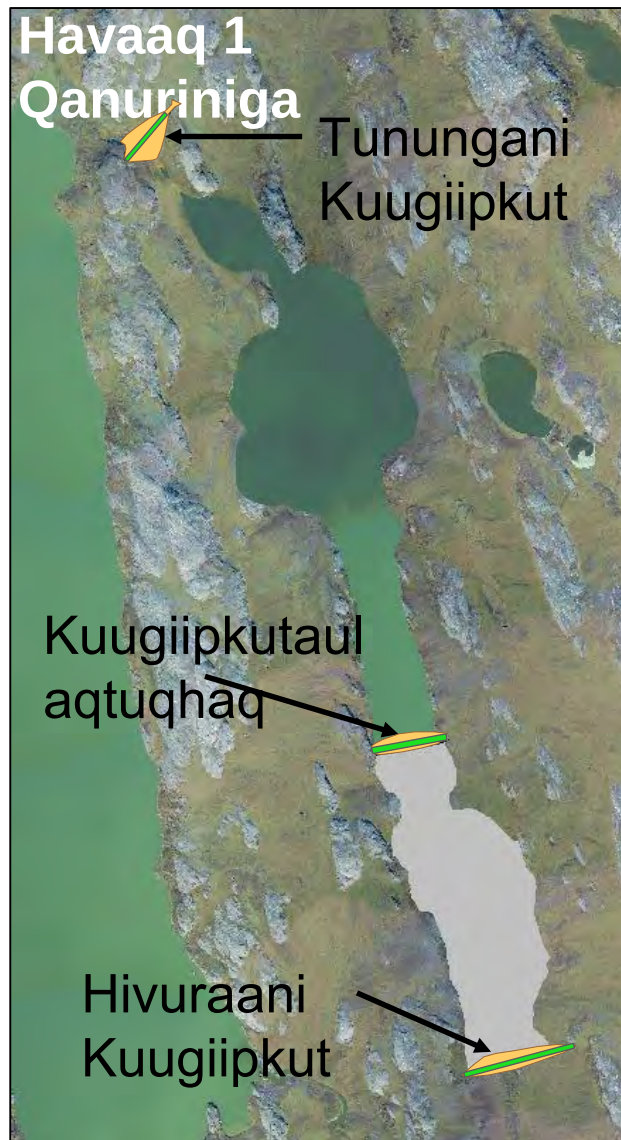


Takuyuqaqtuq
Atulaaqtut



Qanuriliniga
Atulaaqtut

Atagunik Hiamayagiipkut Nuna – Doris-mi

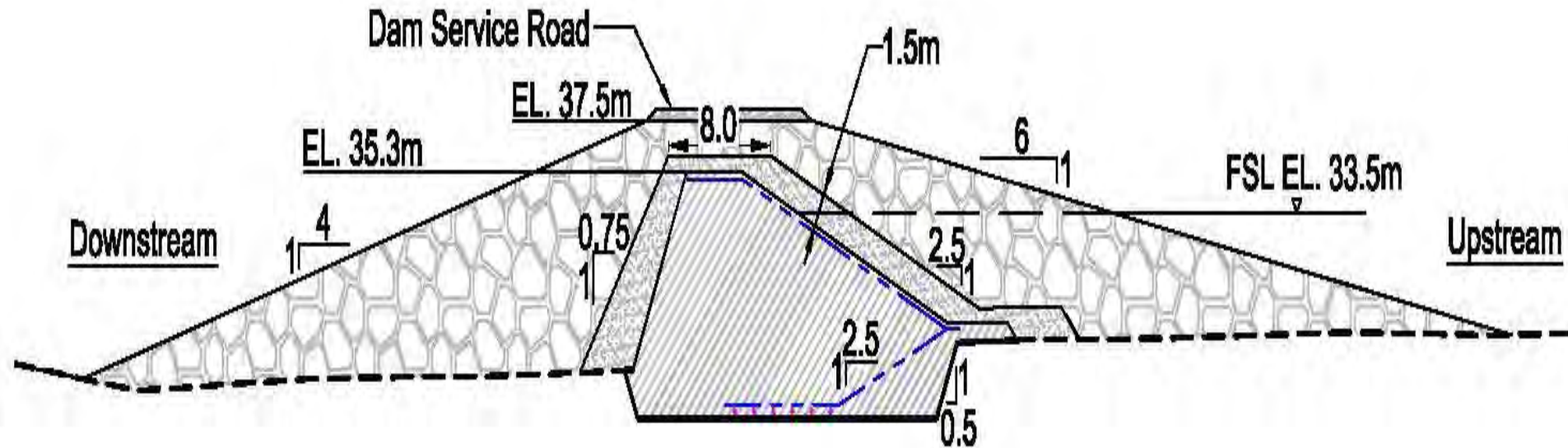


Atagunik Hiamayagiipkut Nuna – Doris-mi

- Qapuuknik atagut
- Hitiyuqaqpalaagituq
- Papiqhimayuq
- Ajikutaa uuma:
 - Meadowbank-mi
 - Nanisivik-mi



Tunungani Kuugiipkut: Qiqumayunik Uyaraqtaanit Kuugiipkut



- Kuukniganik Ilituqhaut
- Qangulainiganik Ilituqhaut
- Igutaaqniganik Nunap Ilituqhaut
- Qiqumaniganik Ilituqhaut
- Igutaaruiqniganik Ilituqhaut
- Qiqumaniganit Kigikhivalianiganik Naunaiyaut
- Imaukaumaniganik ilituqhaut

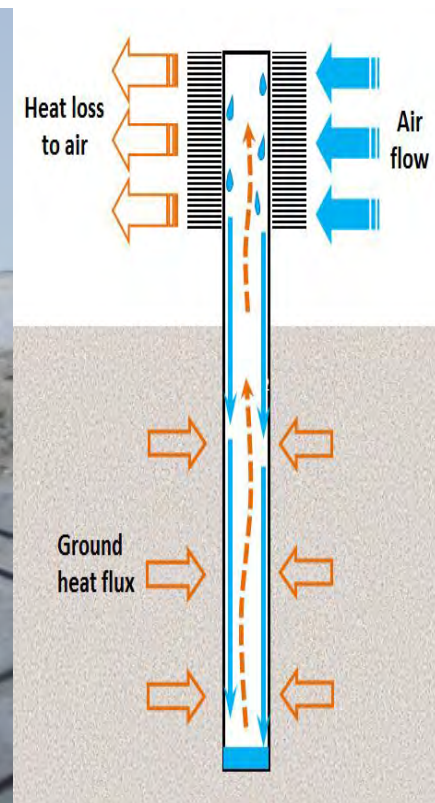
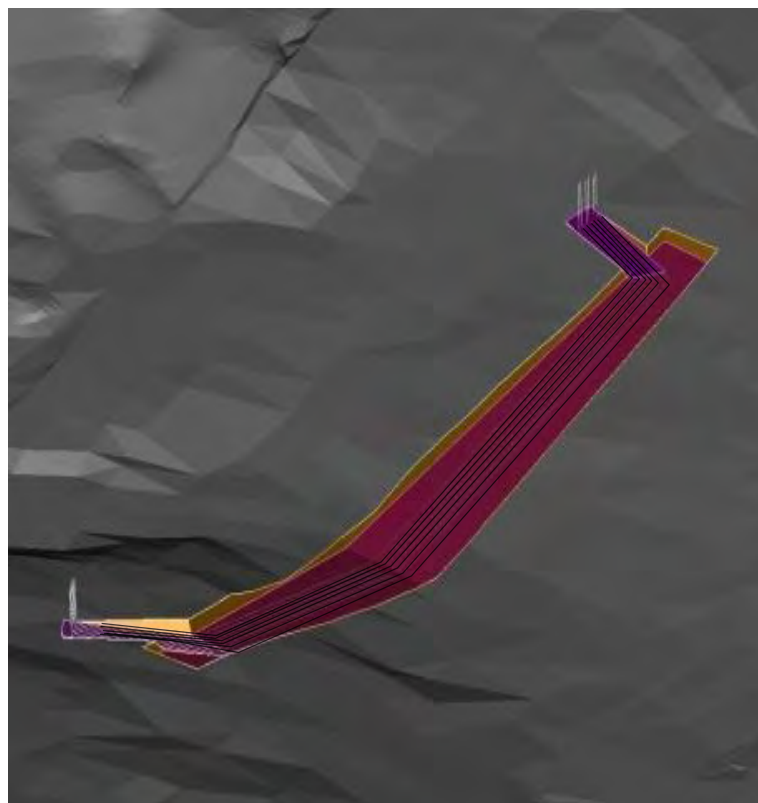
Tunuungani Kuugiipkut



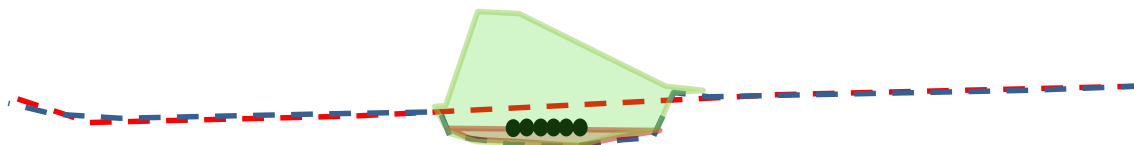
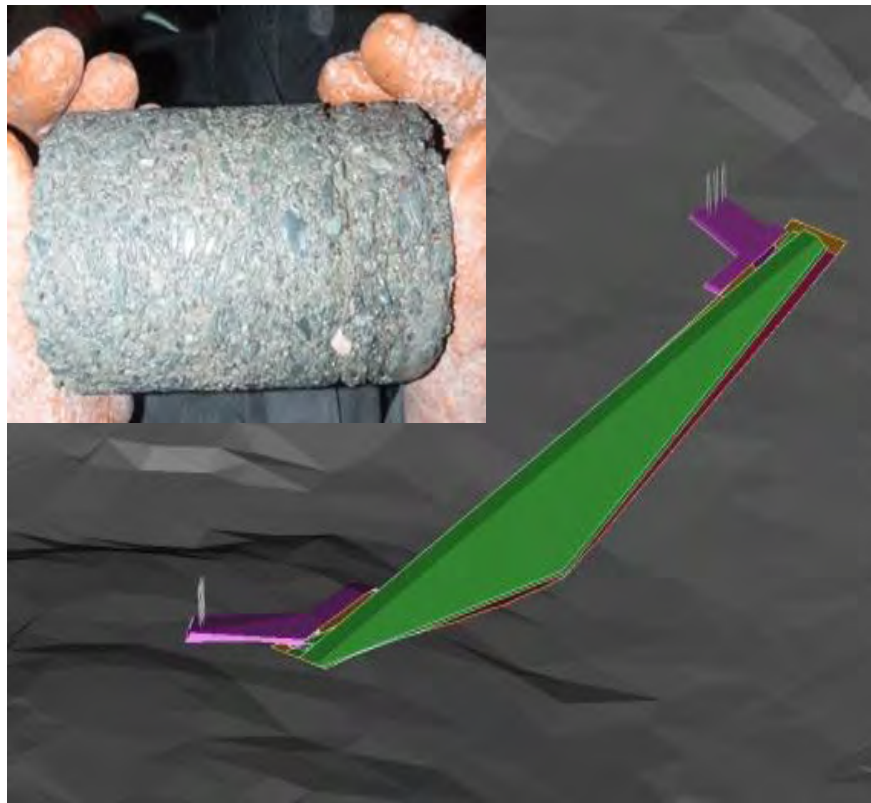
Algaktauluaqtuq Nunami



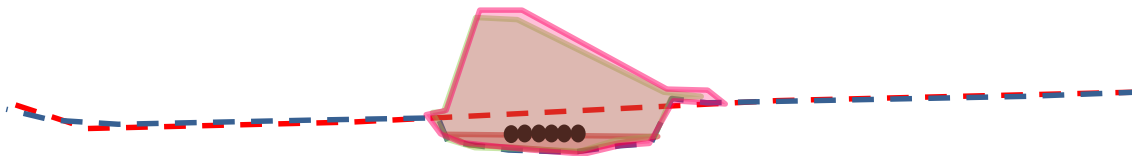
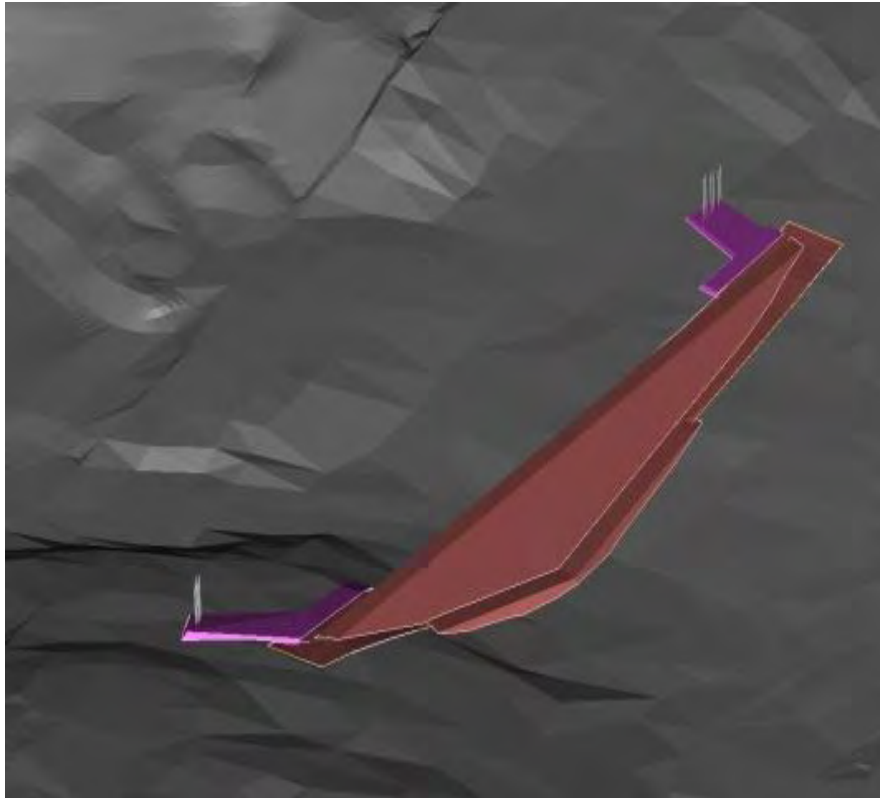
Papautikhamik Iliuriajutit



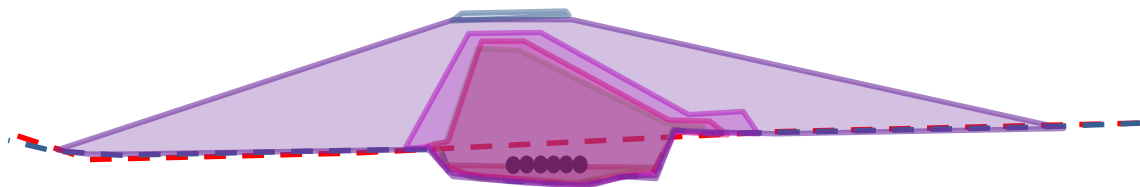
Qiqumayunik Uyaraktaat Hananiginik



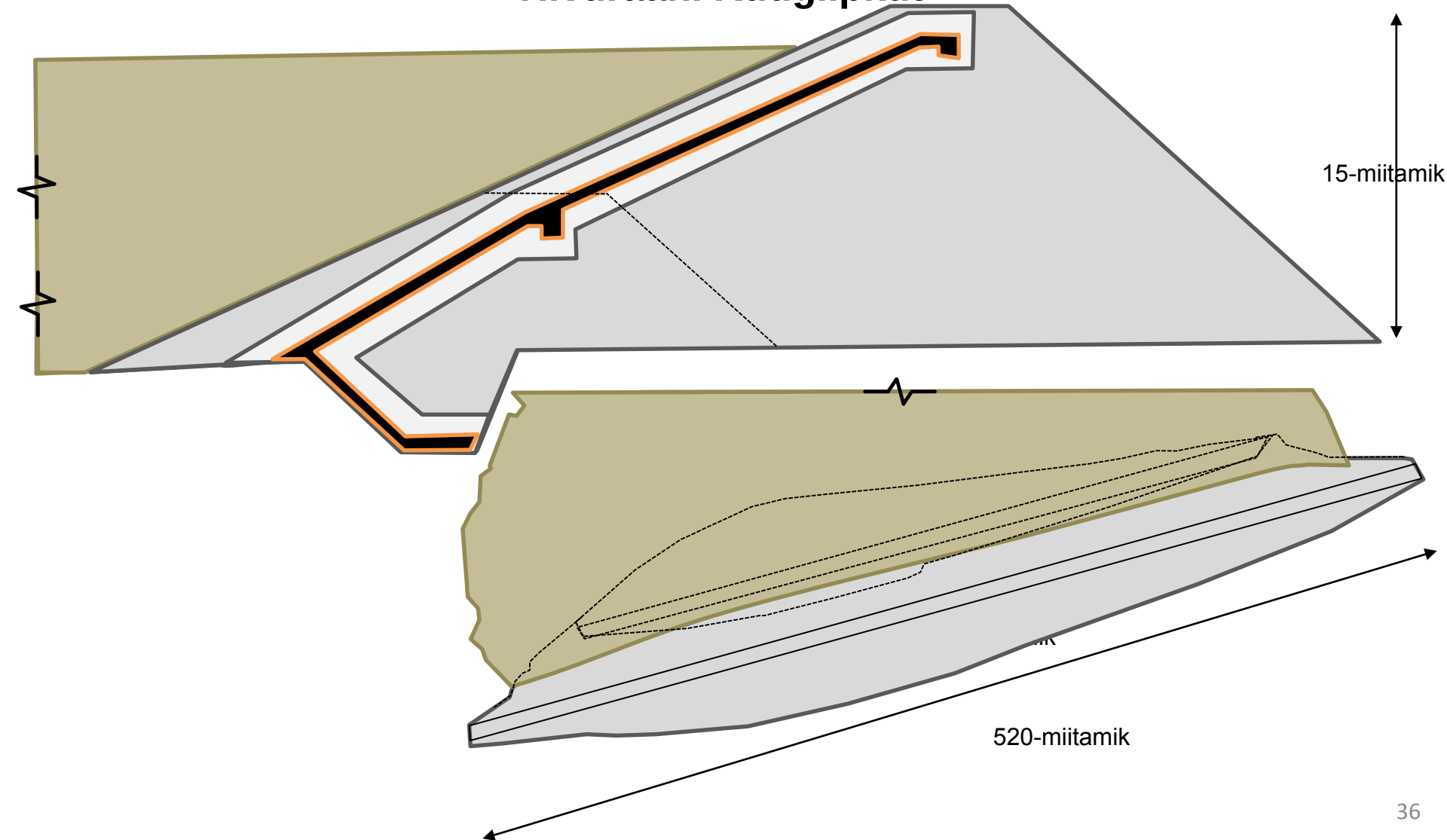
Akiutakhamik (GCL) Iliuraijutit



Nuunigit Hilatainaalu Hanayauniginik



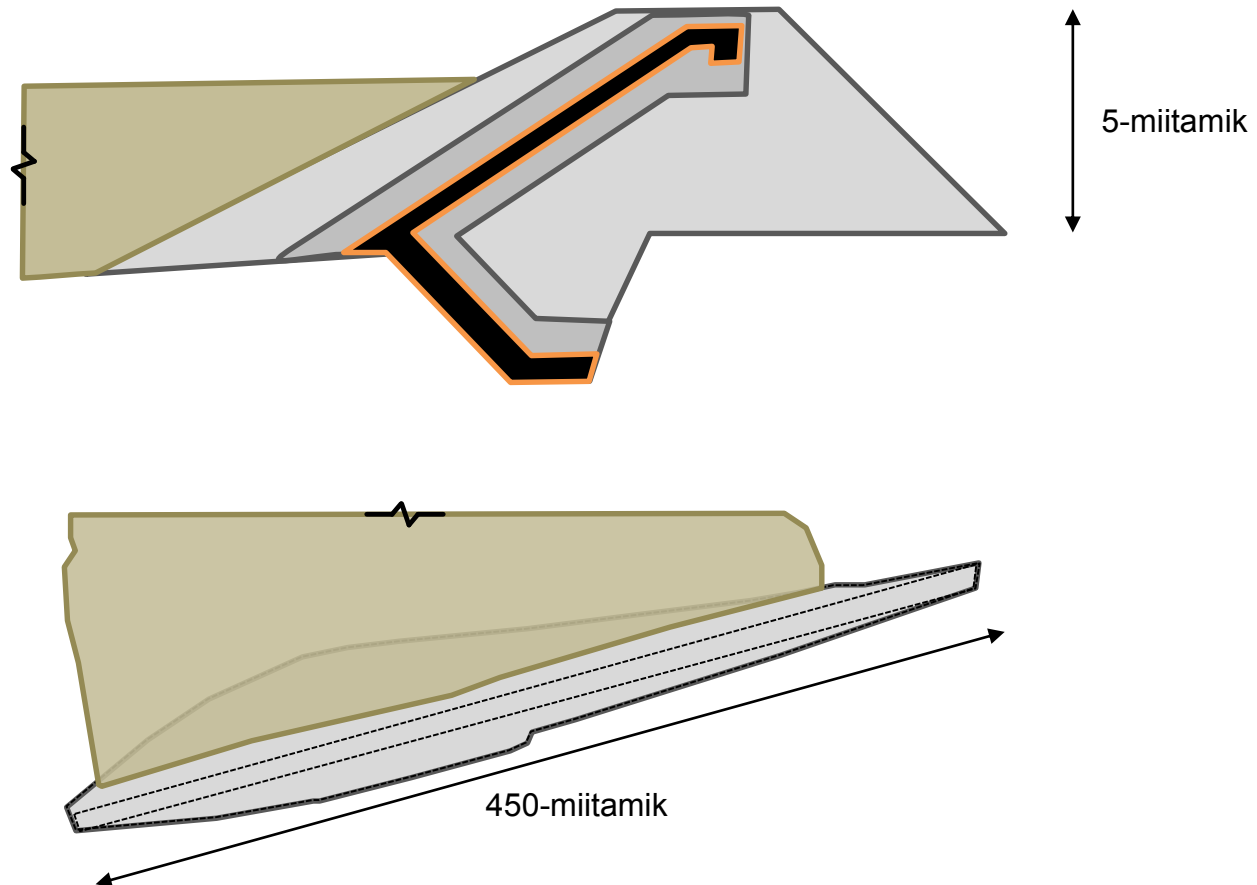
Hivuraani Kuugiipkut



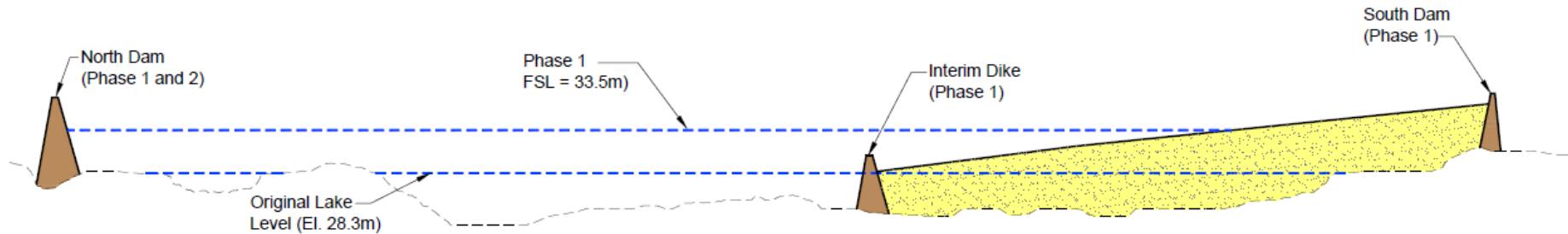
Hivuraani Kuugiipkut



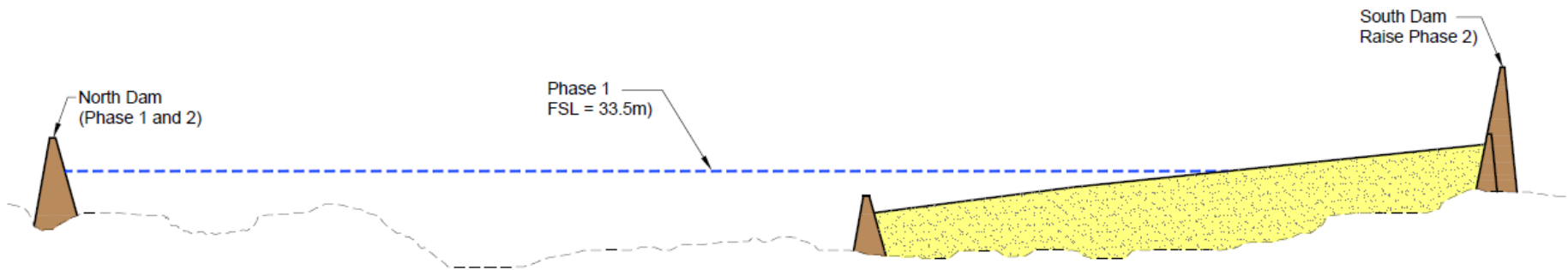
Ualiqhiani Kuugiipkut



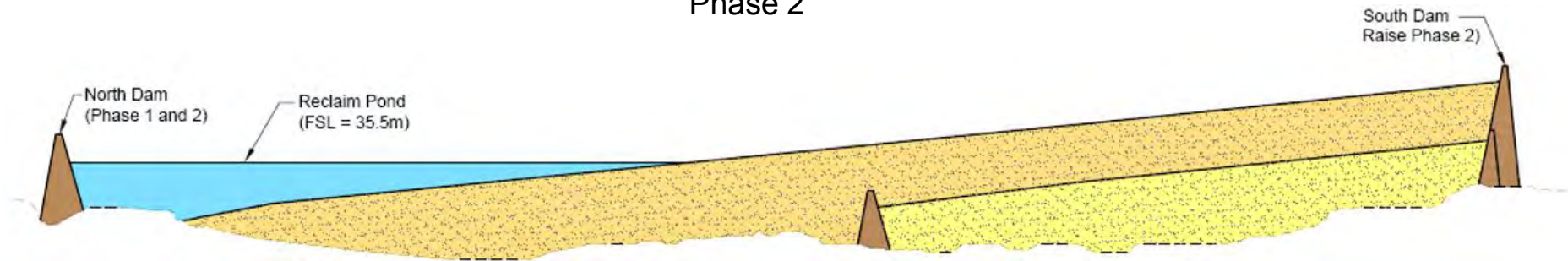
Atagunik Hiamayagiipkut Nuna – Doris-mi



Phase 1

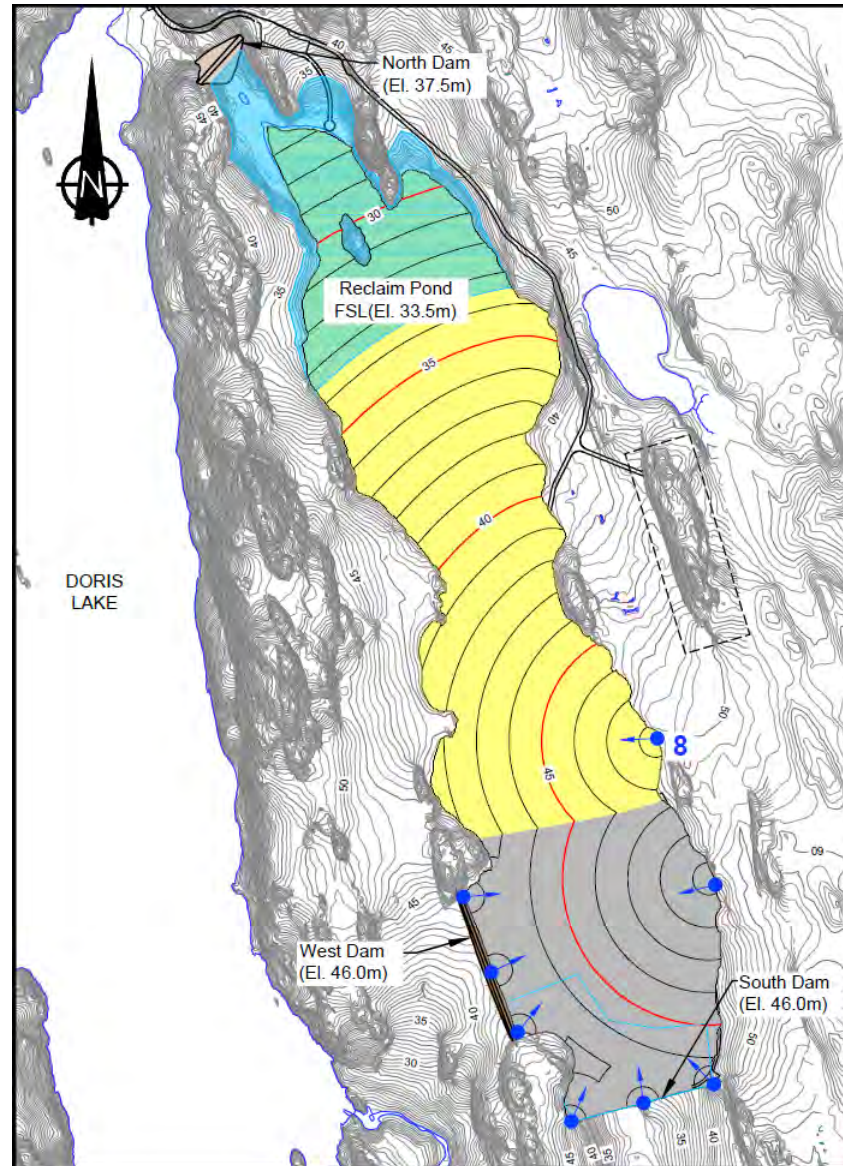


Phase 2



Phase 2 Final

Atagunik Hiamayagiipkut Nuna – Doris-mi Aulanigani



Atagunik Hiamayagiipkut Nuna – Doris-mi



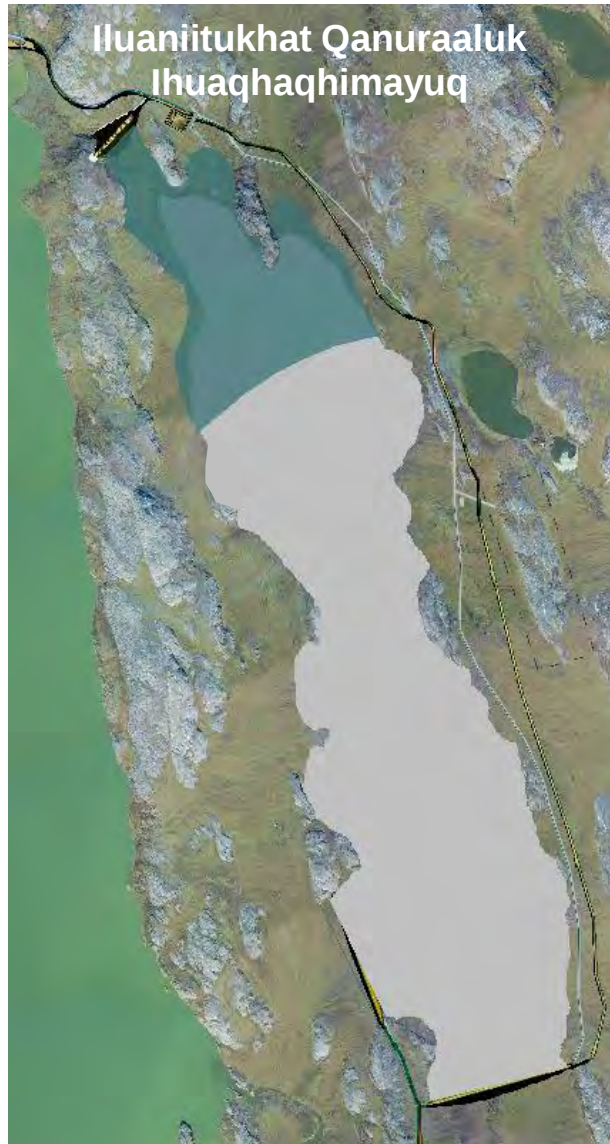
Naitumik Uqauhiuyut aturumayainik aalaguqniginut

Hunaqaqniga	Havaaq 1	Havaaq 2
Ataguut Uqumainigit (tons-ni)	2.5-milian	Ilagiarutit 15.5-milian
Ataguut Havitaualianiginut Qanuraaluk	Aginiqhaq mikiniqhahp 2,000-tons-nik ublutuaraagat	Aginiqhaq mikiniqhahp 3,600-tons-nik ublutuaraagat
Ataguut Hunaqaqniginik	Qapuit Talvatuahp Ataguut	Aalagugituq
Qanurilinigagut Pijutauyuq	Nunap qaanuagani	Aalagugituq
TIA-mi Ataguuqniqmik Atulirumayainik	Ukiup ilagani kuuktitijutit Kapihiliktumi Kagiqhuanut (Roberts Bay)	Aalagugituq
Umiktinigani Atulirumayainik	Akmaqlugu Tununganiitug Kuugiipkut; 0.3-miitamik hiliktumik haulugu ataguut	Aalagutitug

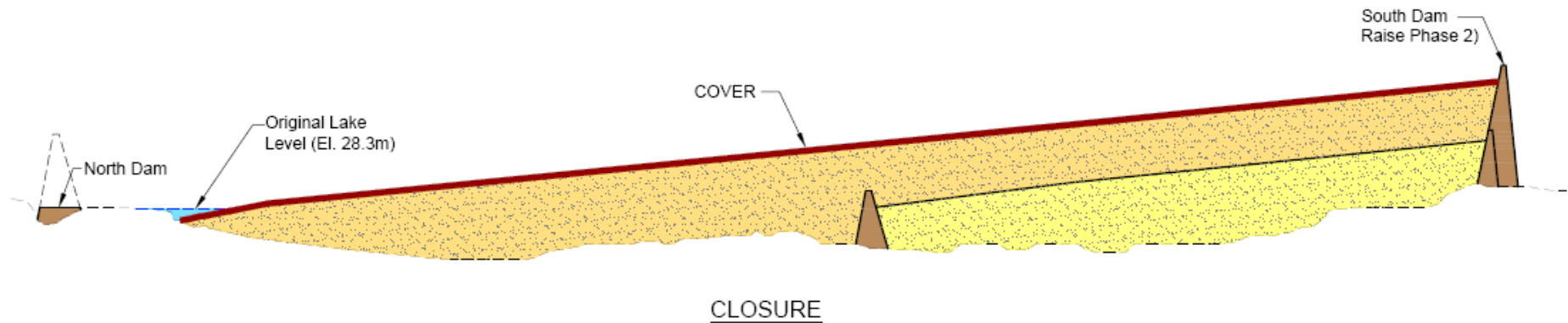
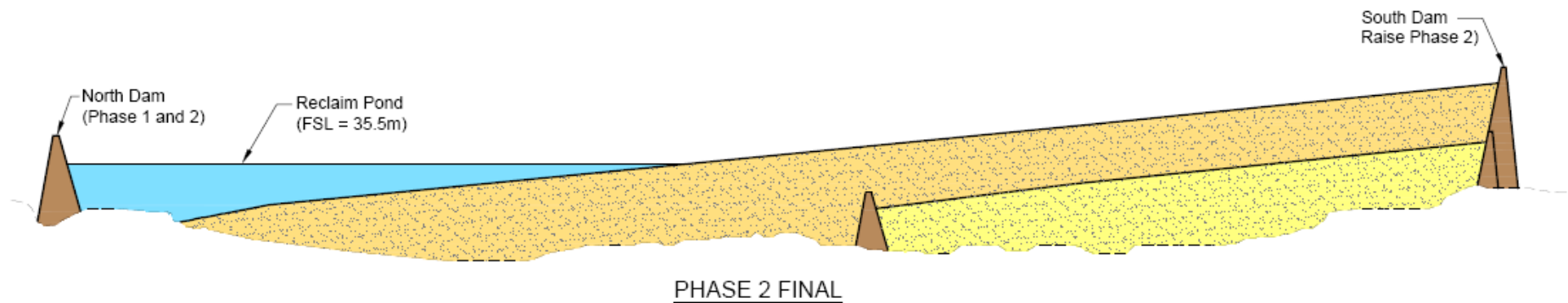
Naitumik Uqauhiuyut aturumayainik aalaguqniginut

Hunaqaqniga	Havaaq 1	Havaaq 2
Tunungani Kuugiipkut	Qiqumayunik Uyaraktaat Hananiginik	Aalagutitug
Tunungani Kuugiipkunmi Kuuktilvia	Ilaqaqtug kuuktilvia	Aalagutitug
Hivuraani Kuugiipkut	Qiqumayug natqa akiutaqaqtug	Kuugiipkut kigikhivaaliqtug 8-miitamik
Tajainaq Kuugiipkutikhaq	Nutaaq hiamayagiipkut hanahimayug	Piyariaqagitug
Ualiqhiani Kuugiipkut	Piqaqhimagitug	Frozen foundation with liner
Ataguut Hunavaluqaqniginik	Aaniqnagitunik havitiyug; Inmiknik havivaluit immait aaluqaqniginik	Aalagutitug

Atagunik Hiamayagiipkut Nuna – Umiknigani



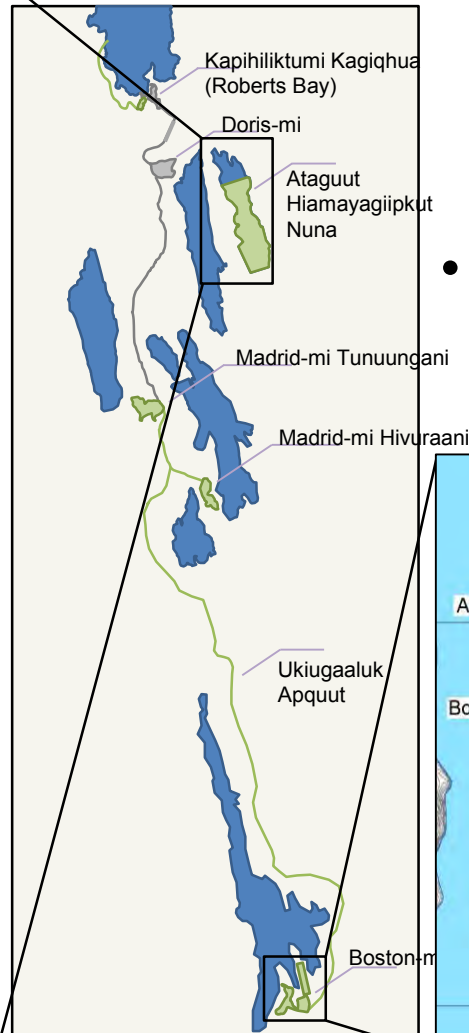
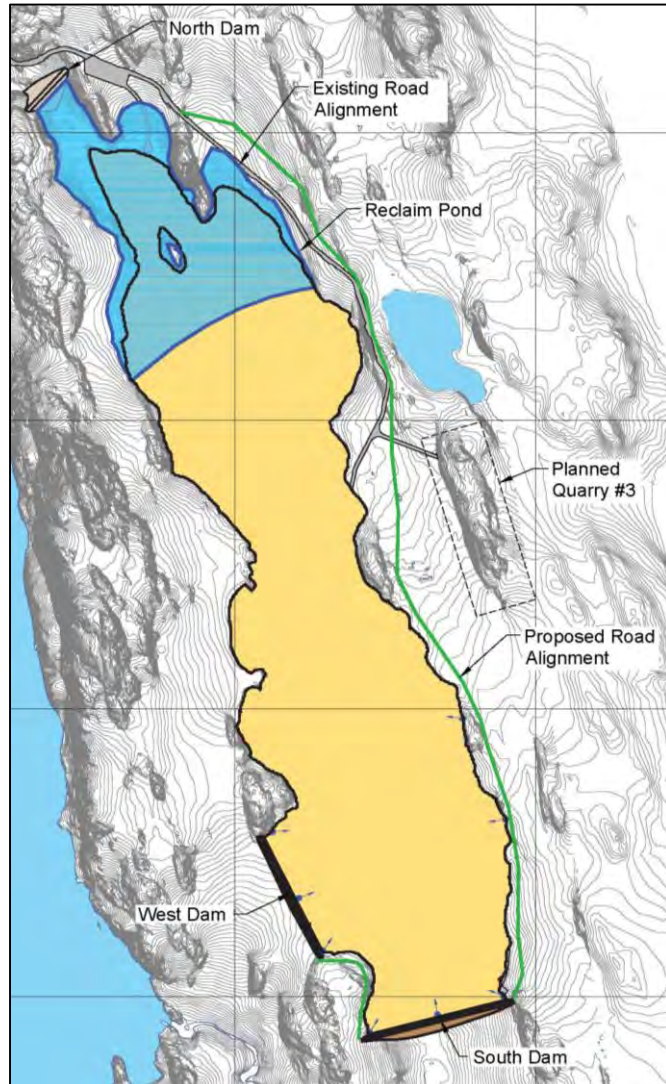
Atagunik Hiamayagiipkut Nuna – Umiknigani



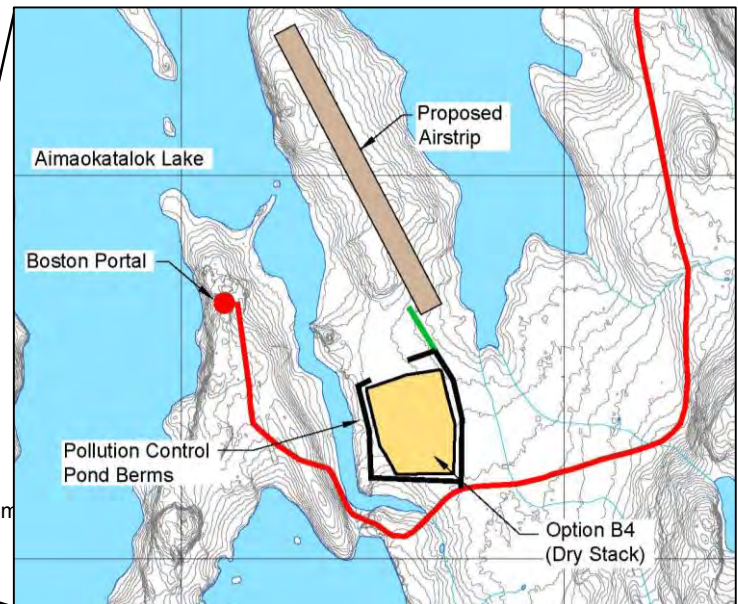
LEGEND

- Existing Ground Surface
- Deposited Tailings (Phase 1)
- Deposited Tailings (Phase 2)
- Dam

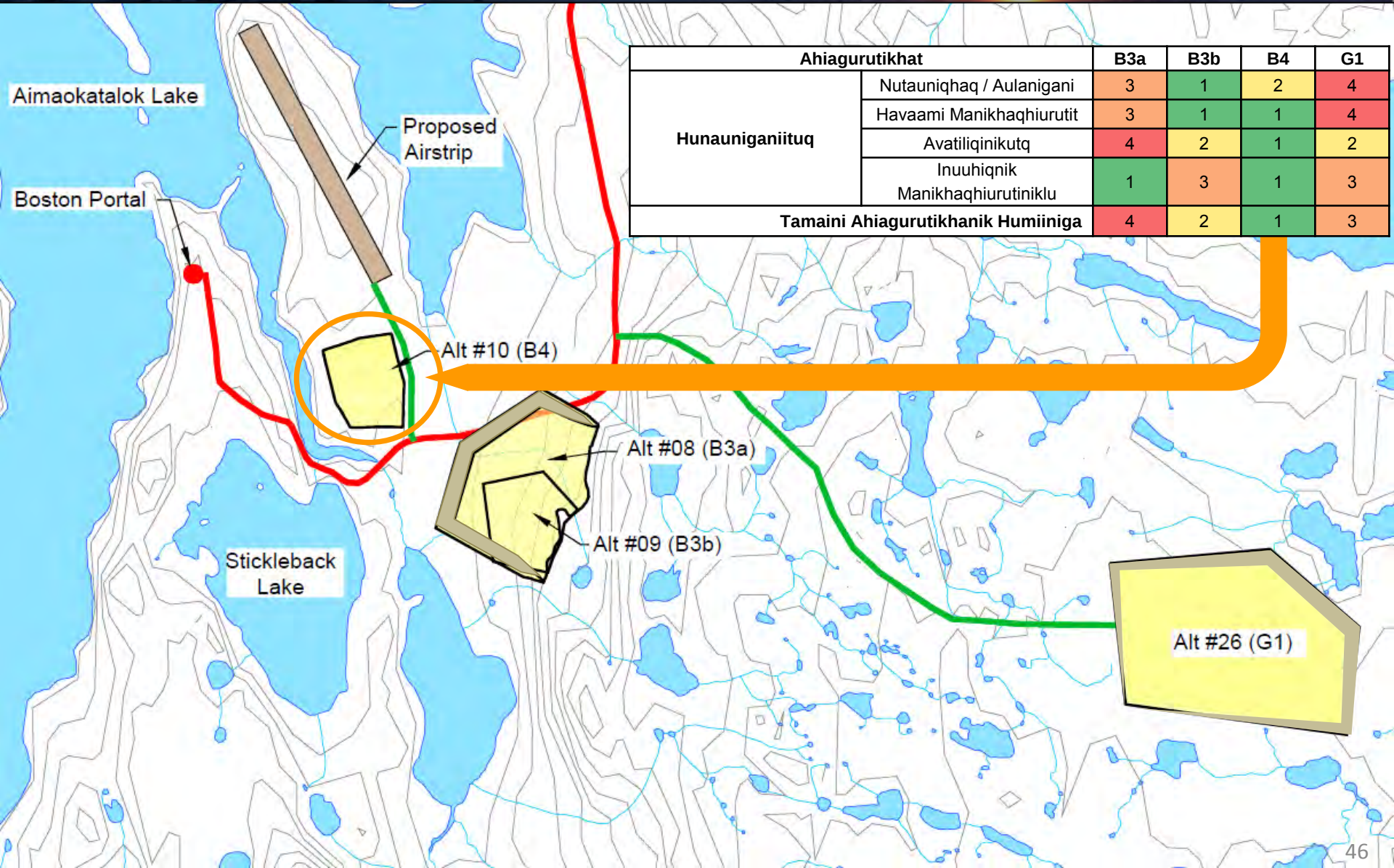
Naitumik Uqauhiq Ataguut Munarinigagut



- Doris – Conventional Tailings Impoundment Area
- Boston – Dry Stack Tailings Management Area



Ahiagurutikhanik Ilituqhainiq – Boston-mi



Ahiagurutikhat		B3a	B3b	B4	G1
Hunauniganiitug	Nutauniqhaq / Aulanigani	3	1	2	4
	Havaami Manikhaqhiurutit	3	1	1	4
	Avatiliqinikutq	4	2	1	2
	Inuuhiqnik Manikhaqhiurutiniklu	1	3	1	3
Tamaini Ahiagurutikhanik Humiiniga		4	2	1	3

Ataguut Munarinigagut Nuna – Boston-mi

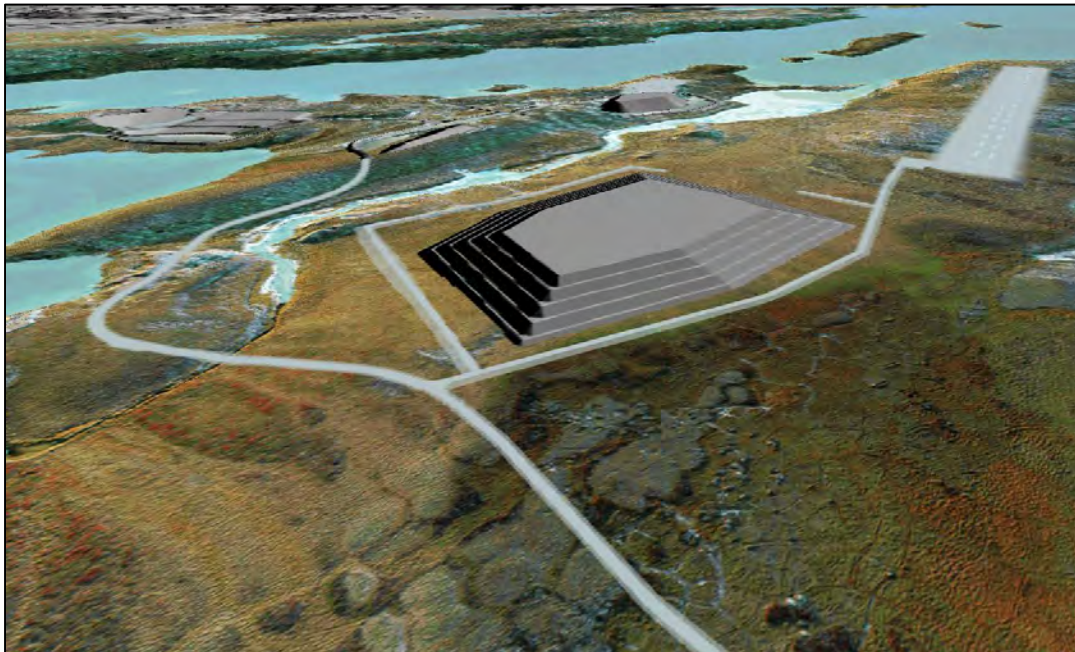


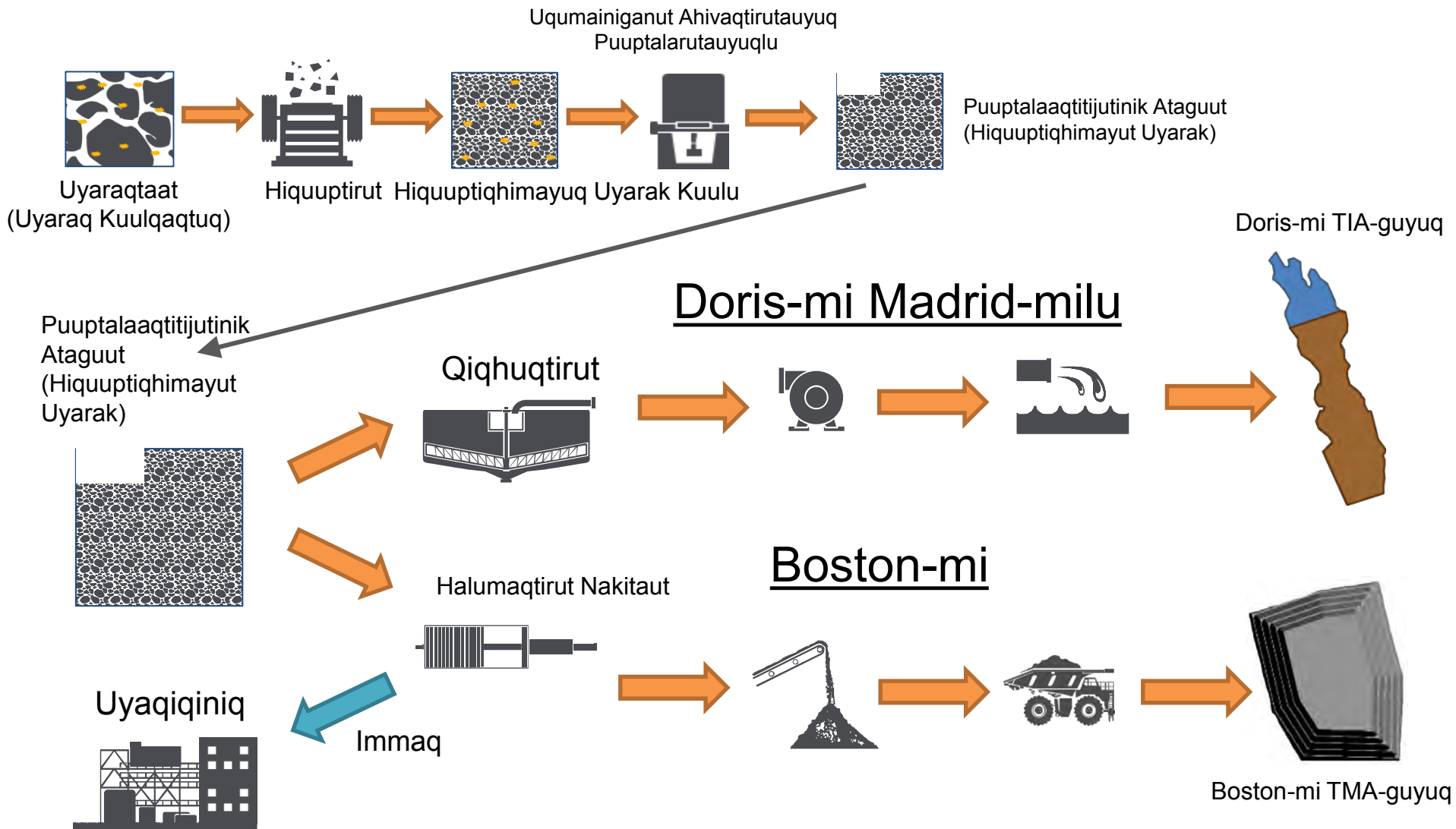
Aimaukataluk Tahiq

Skickleback-mi Tahiq

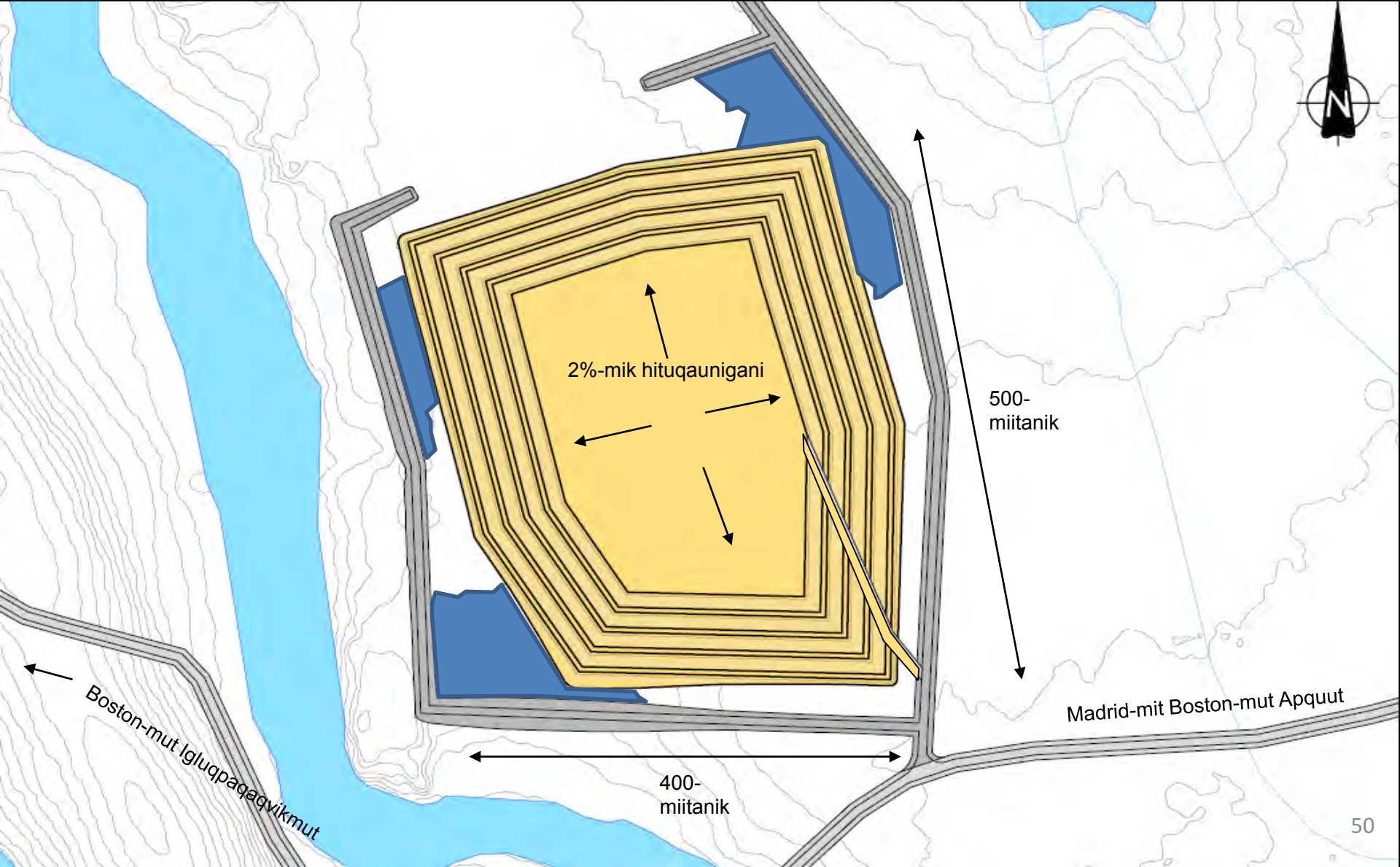
Ataguut Munarinigagut Nuna – Boston-mi

- Halumaqtigauyut Ataguut
- Akhaluutit, Pualriyautit, Qiqhuqtirijutit
- Qaliriilaaqtut Ilaliutilaaqtulu
- Ajikutait ukua:
 - Raglan-mi
 - Fort Knox-mi
 - Pogo-mi



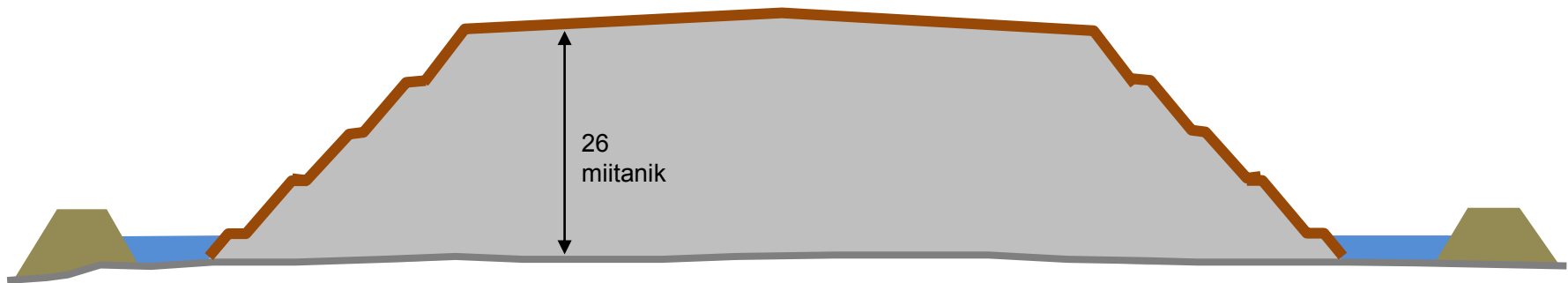


Atagunik Munarinigagut Nuna – Boston-mi



Atagunik Munarinigagut Nuna – Boston-mi

- Igutaaginiganut Ilituqhaut
- Nunatigut Kuukniginik Ilituqhaut
- Qiqumaniganik Ilituqhaut
- Hituaqniganik Aulahuiqniganulu Ilituqhaut



- Immaqnik katitirivik
- Hituagitaagani Munarijut
- Hiuqap Puyuanik Munarijutit
- Qiqhuqtiriniq manikhaijutilu
- Akiutaqaqtuq Munariyaagani Ulia
- Igutaagituq Nunap Qanuriniga

Atagunik Munarinigagut Nuna – Boston-mi

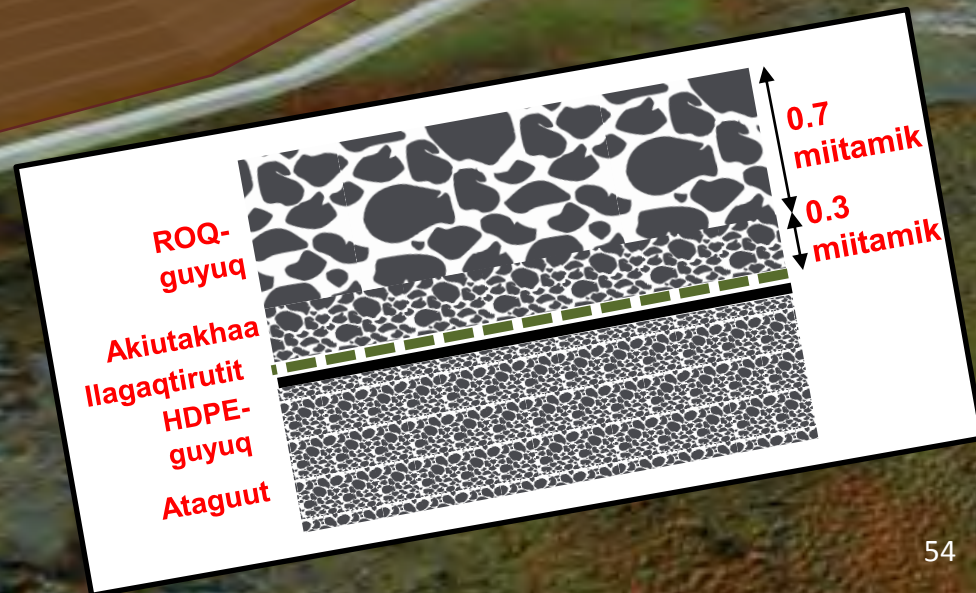
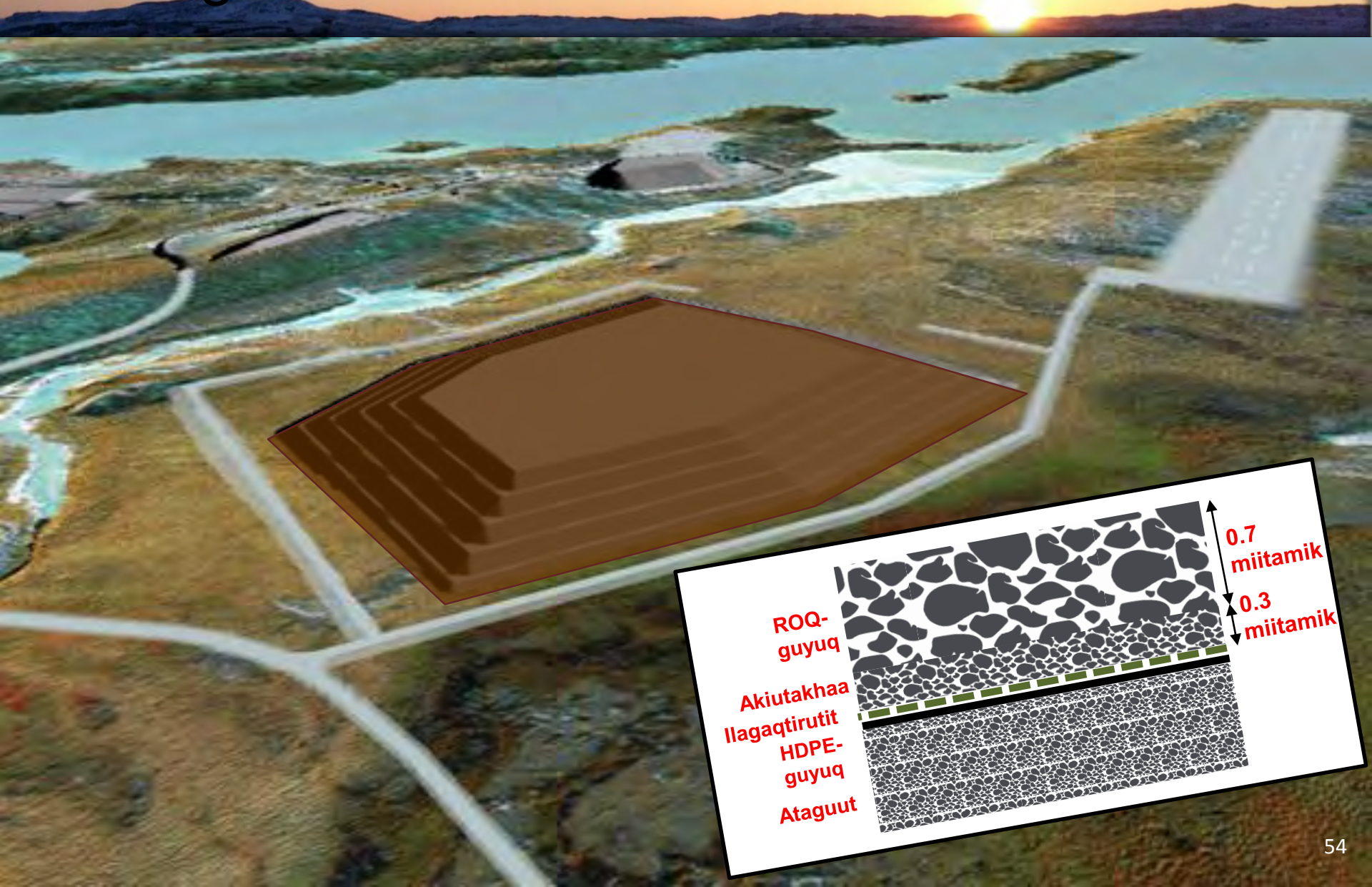
Naitumik uqauhiq piqariaqaqluaqniganik

Pijutauyuq	Piqariaqaqniga
Kuugiipkunmit Aanirutaulaaqtuq Naunaipkutini	Agiyuq
Qanurinihaa Atuqhimaqnigani - Aulainaqnigani qanurilivalianigani pivikhaqaqnigani - Ihumagiyauyuq Kiguani umiktauniganit amirijutitut hivitunikhaa - Hivituyumi qanurinihaagut pijutauyuq	8-ni ukiuni - Qulini ukiuni - Uvuuga 2100-mi ukiuganut
Ataguut Haavitaualianiginut Kayumikniga	2,400 tons-guyuq ublutuaraagat
Ataguut Immavaluqaqnigit	20.5%-mik (uqumainigani)
Ataguut Paniumaniganik Hitiniga	1.8 t/m ³
Ataguuqvikhami Atagunik Tuutqumaniginut Aturiaqaqtut - Aginigagut - Uqumainigagut	5.1 Mt-mik 2.8 Mm-mik³
Ataguut Iqariagani Atuqtukhaq	Uhiliqhiqtuqlugit, agyaqlugit, naavilugit, ililugit, qiqhuqtiqlugit ilagaqtigauyut ataguut

Hiuraliaq Puyuqniganik Munarijut

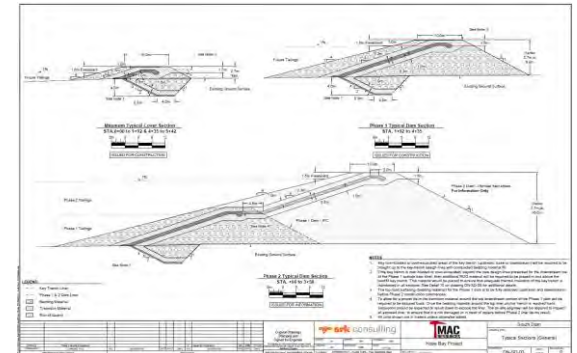


Atagunik Munarinigagut Nuna – Boston Umiknigani

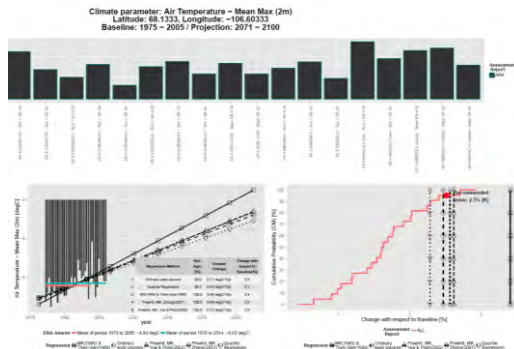


Ataquuqvik Qanurituuniga

Ilagiarutit ilagaqtirutinik ihivriuhijutit uqatiaqhimayulu hanayautinigit



Ihumagilugu Hilaap Aalaguqpalianiga



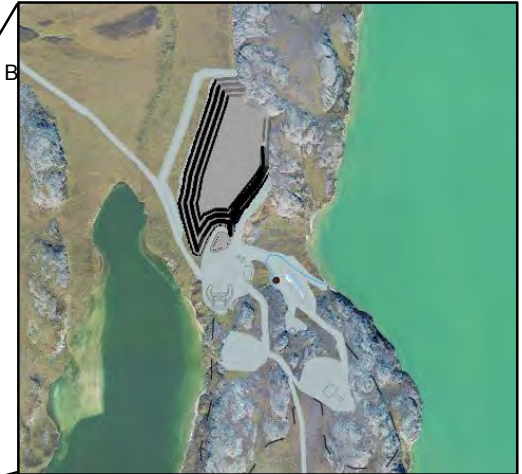
Naitumik Uqauhiq Iqagunik Uyaqanik Munarijutinut

Atulaktuq Iqagut Uyaqat Uhiiyaqviit

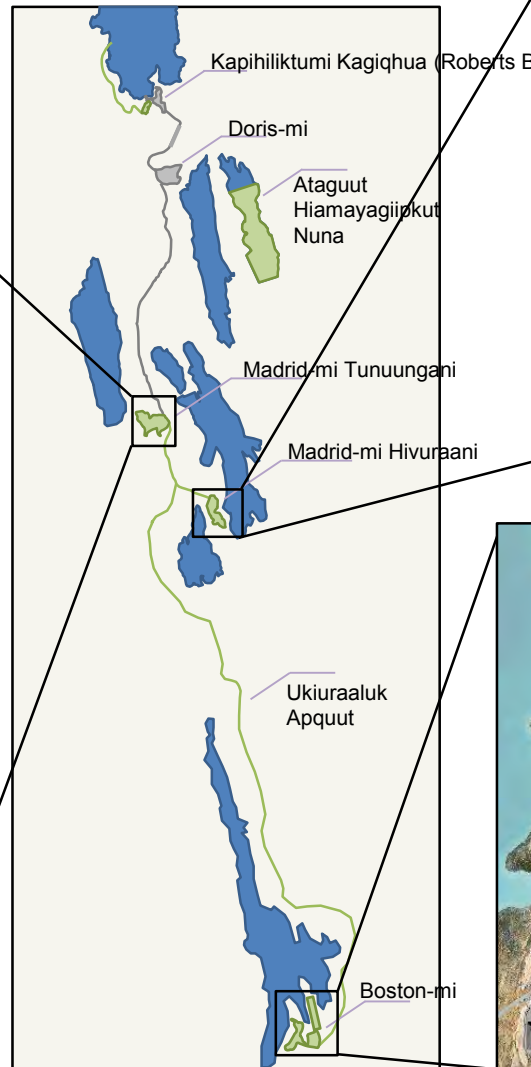
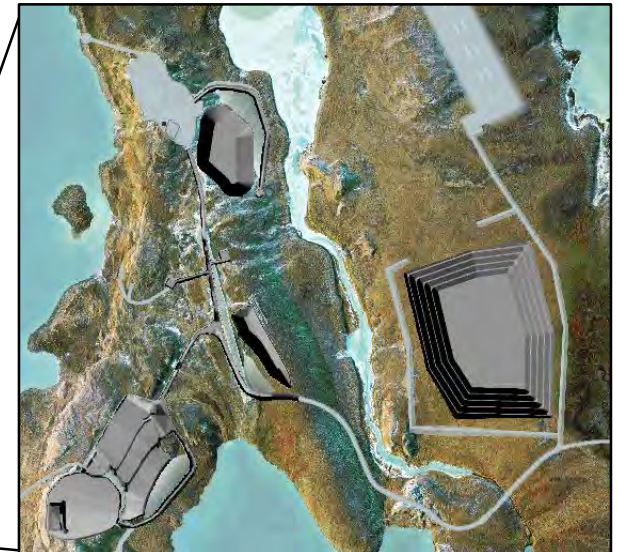
Madrid-mi



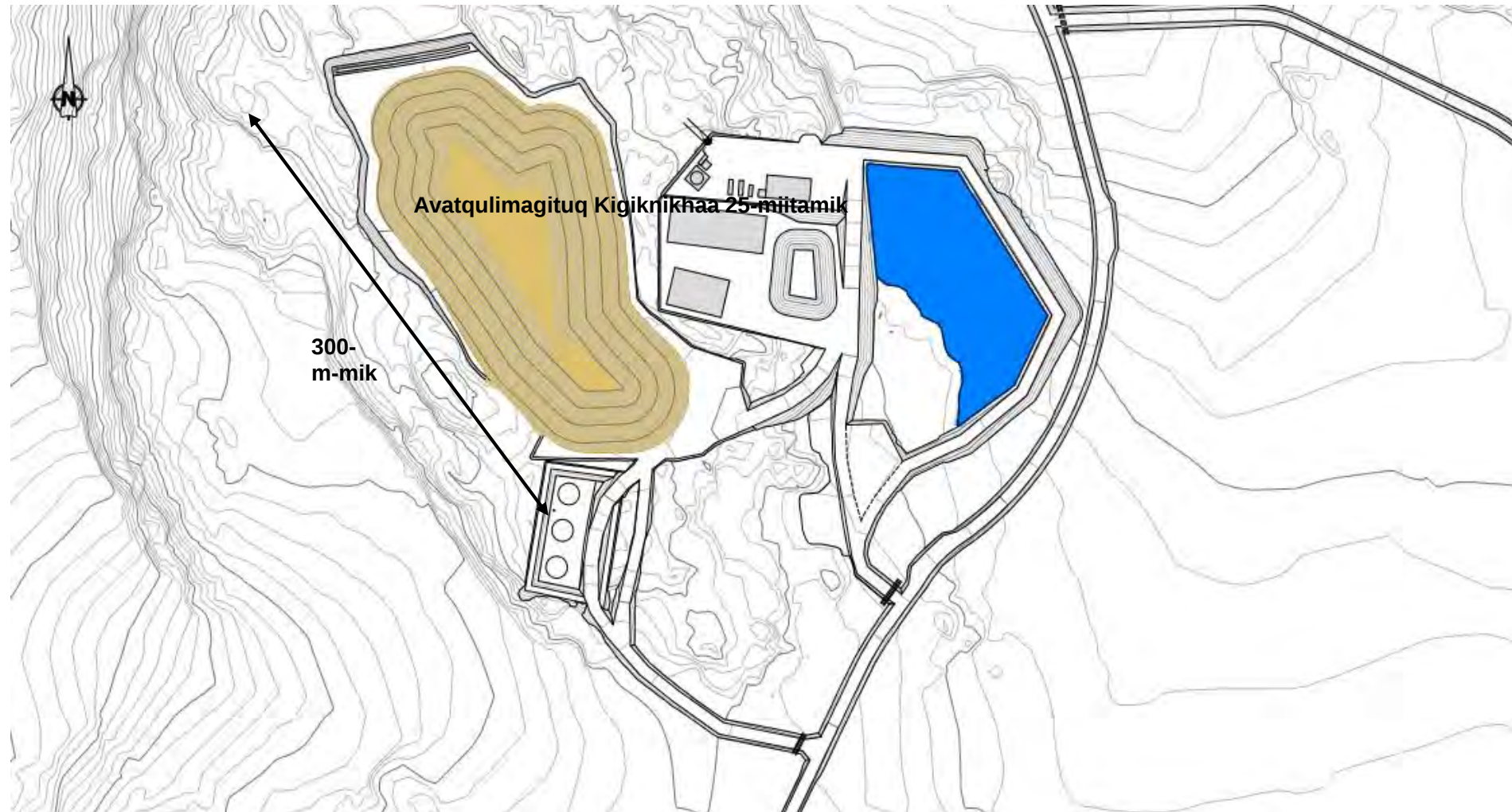
Madrid-mi



Boston-

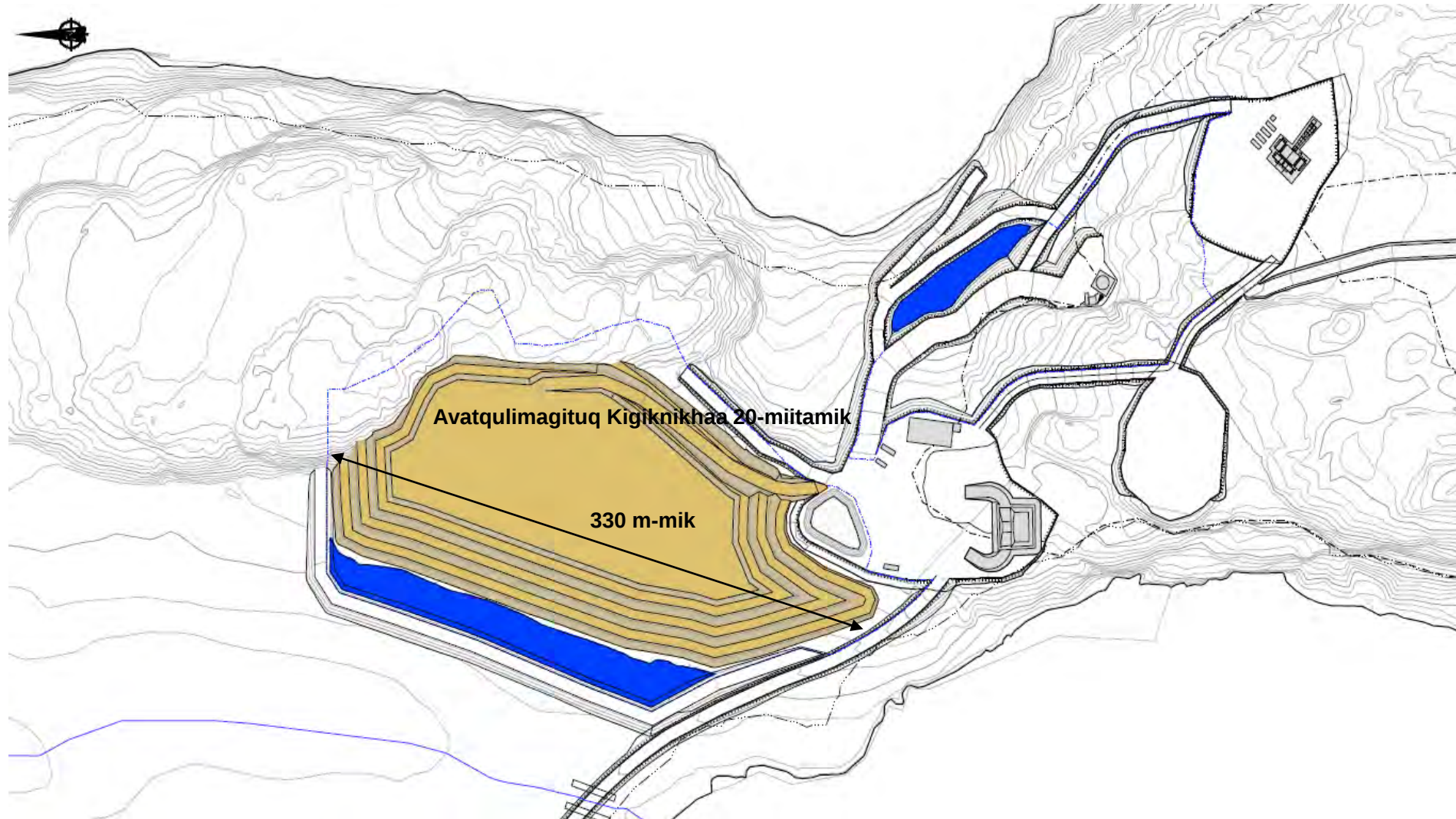


Naitumik Uqauhiq Iqagunik Uyaqanik Munarijutinut



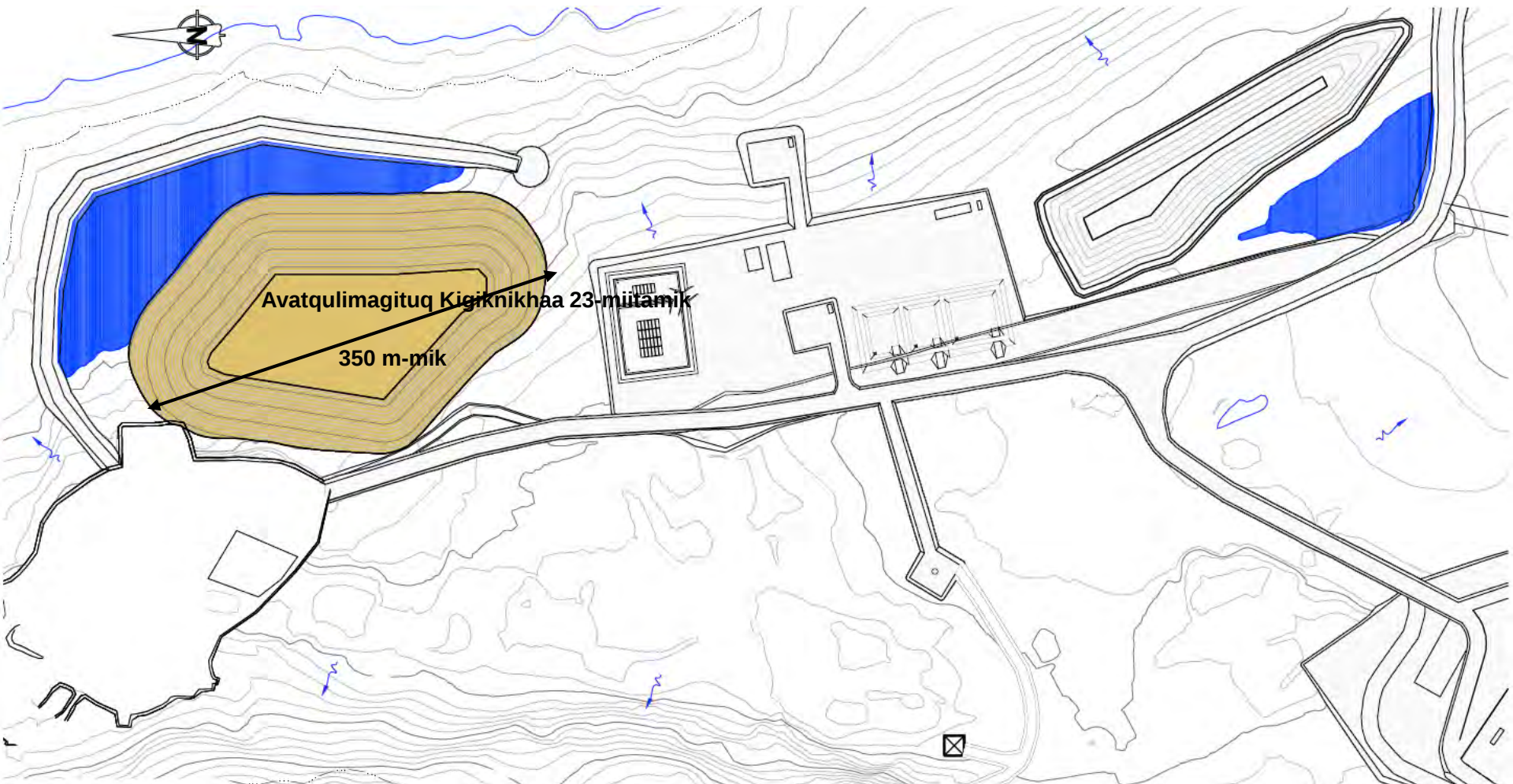
Madrid-mi Tunuungani

Naitumik Uqauhiq Iqagunik Uyaqanik Munarijutitut



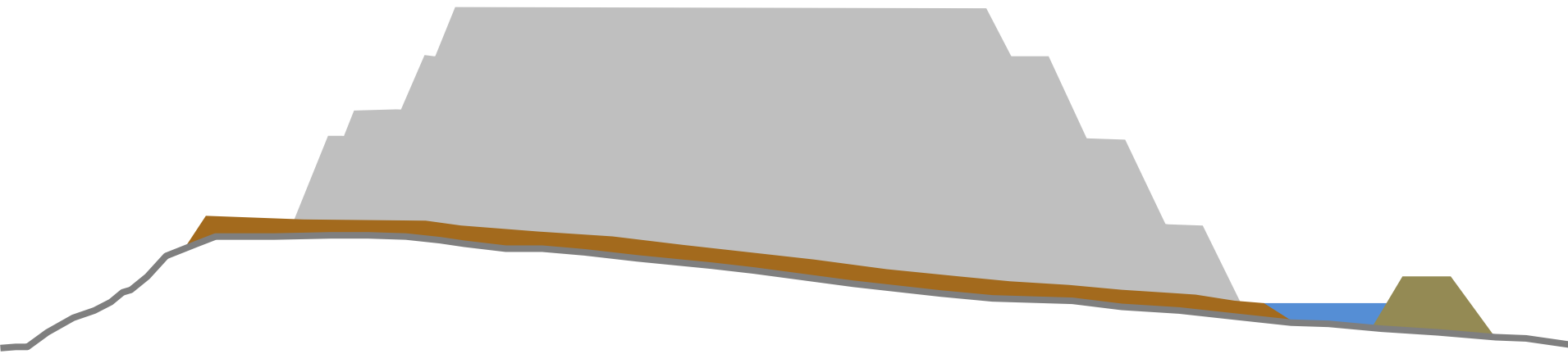
Madrid-mi Hivuraani

Naitumik Uqauhiq Iqagunik Uyaqanik Munarijutitut



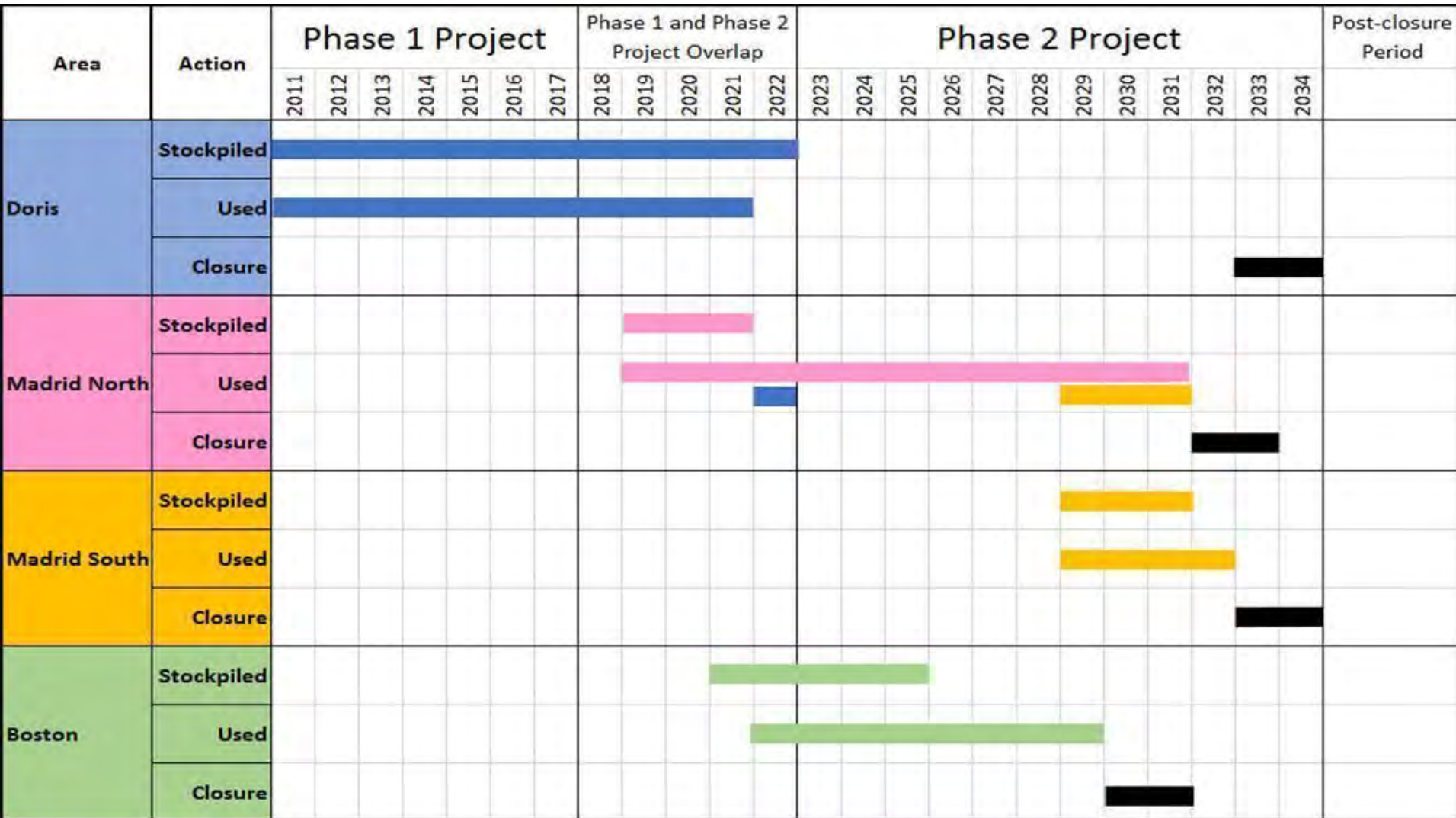
Boston-mi

Naitumik Uqauhiq Iqagunik Uyaqanik Munarijutinut



- Igutaaginiganut Ilituqhaut

Naitumik Uqauhiq Iqagunik Uyaqanik Munarijutitut



Atagunik Iqaguniklu Uyaqanik Munarijutinut

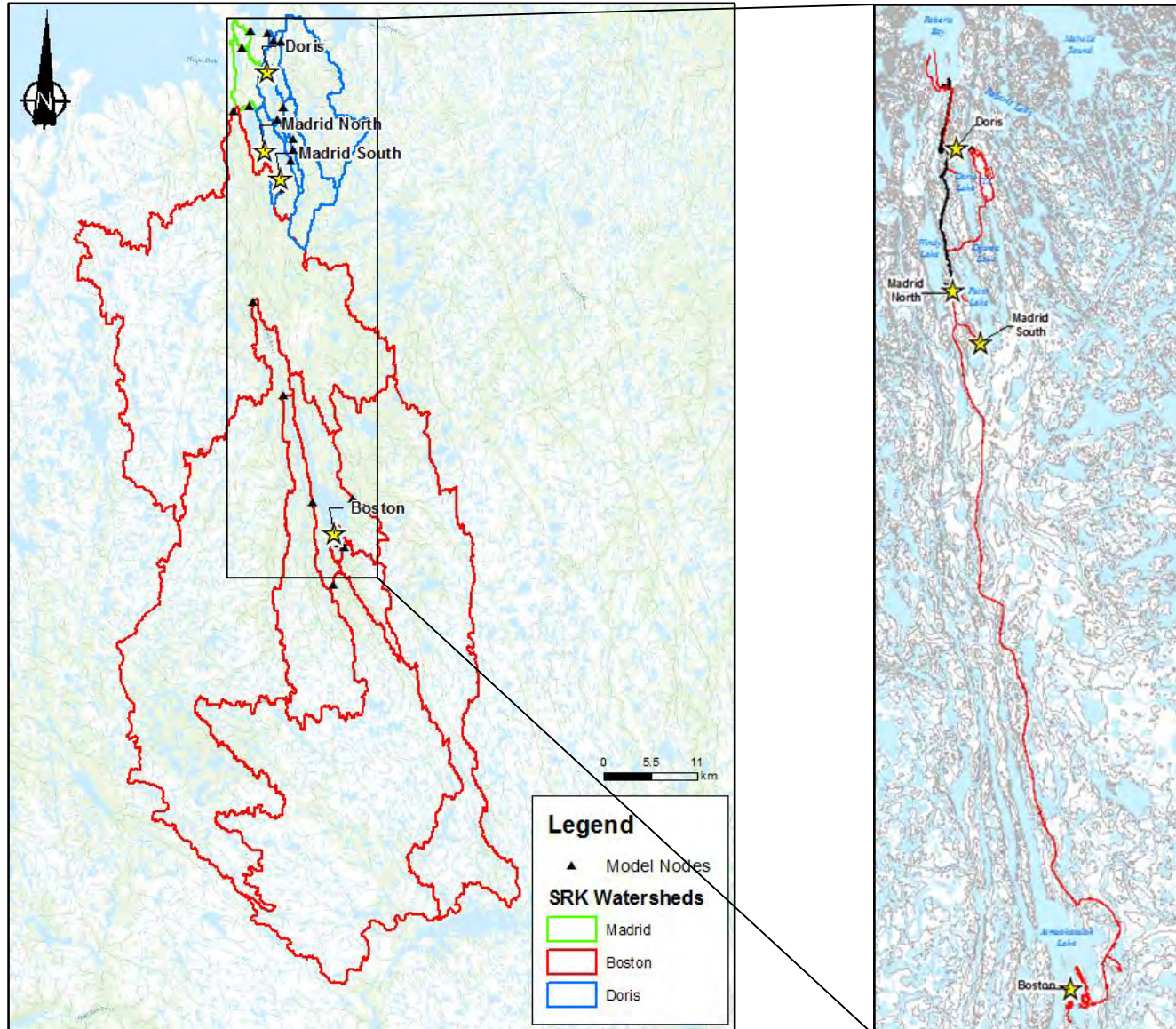
- Qanuriniga Atuqtauyuup Atagunik Munarijutit
 - Doris-mi Atagunik Hiamayagiipkut Nuna
 - Boston-mi Atagunik Munarinigagut Nuna
- Iqagunik uyaraqalimaituq nunap qaagani umiktautaaqat



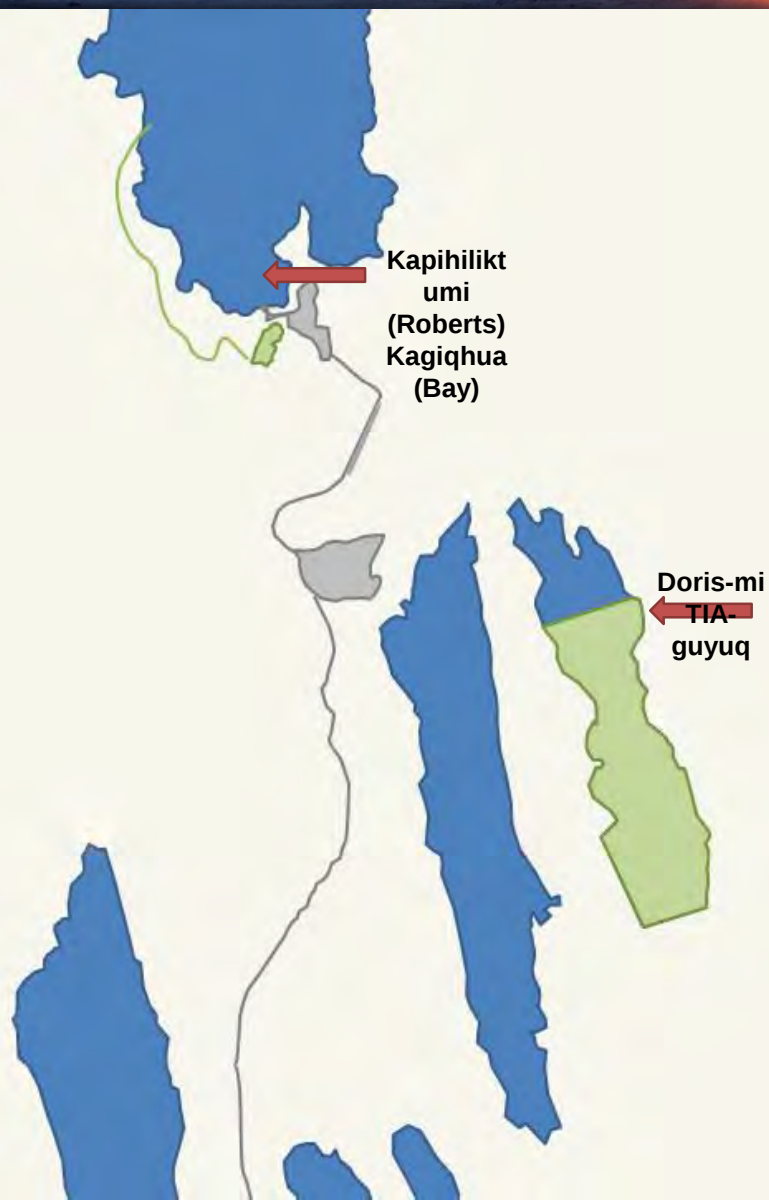


Immamik Munarijutit

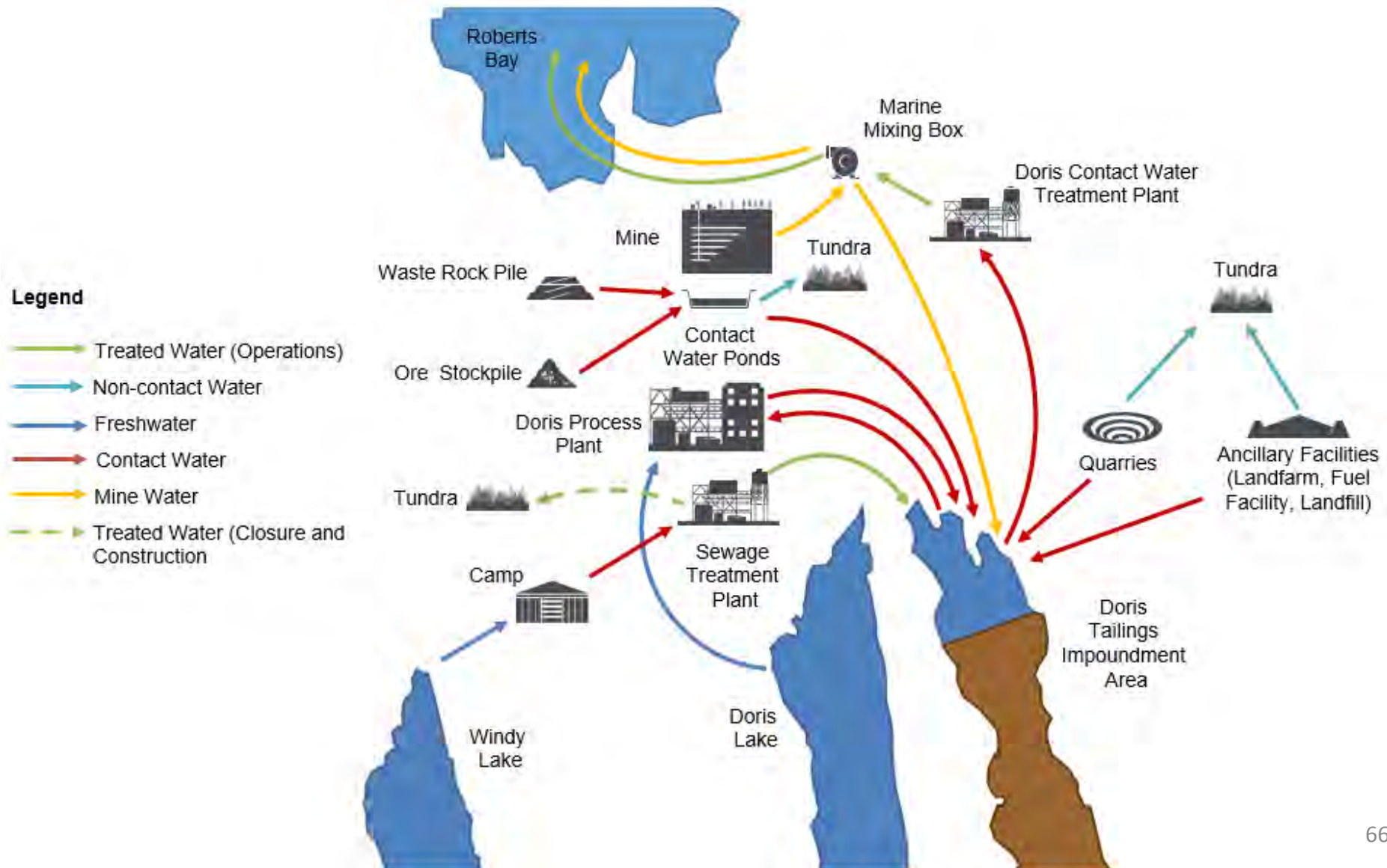
Immaqaniginik Naunaiyautit



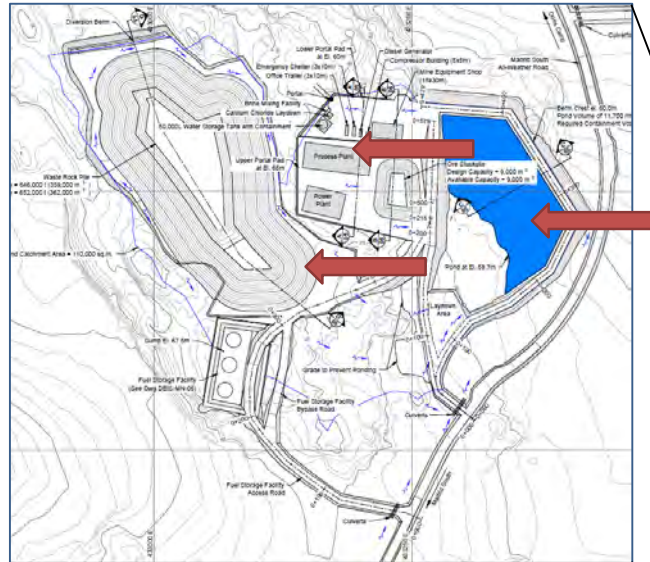
Doris Iqagunik Munarijutit



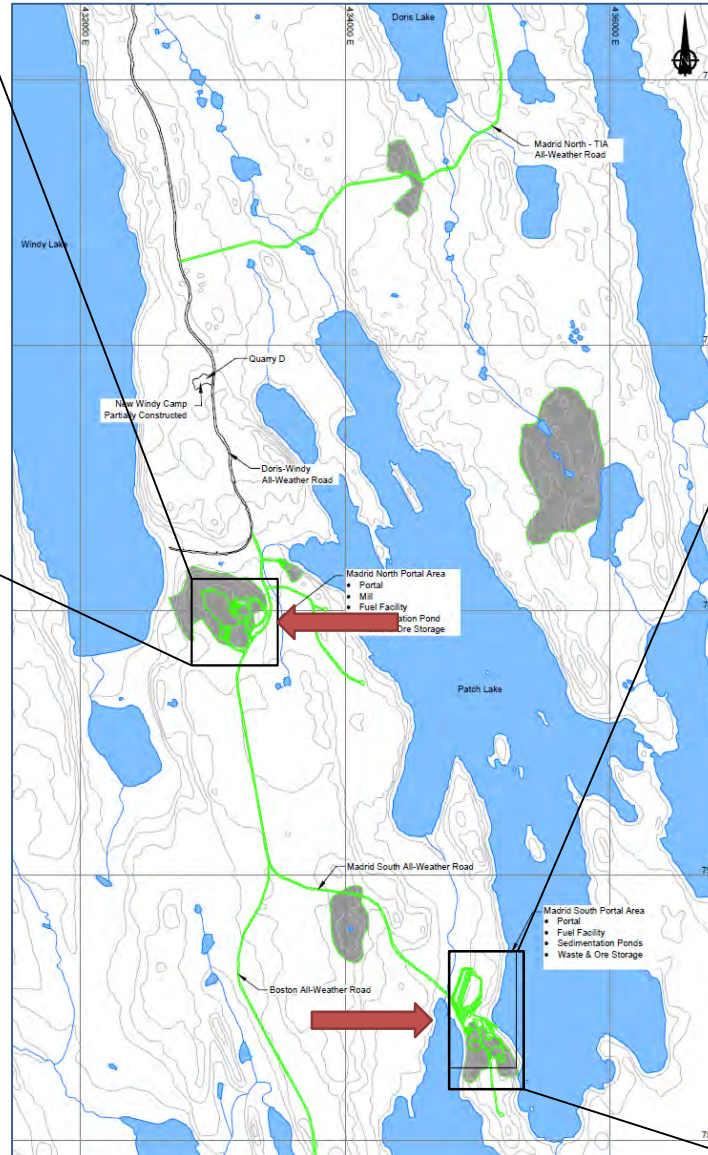
Doris-mi Immamik Munarinigagut



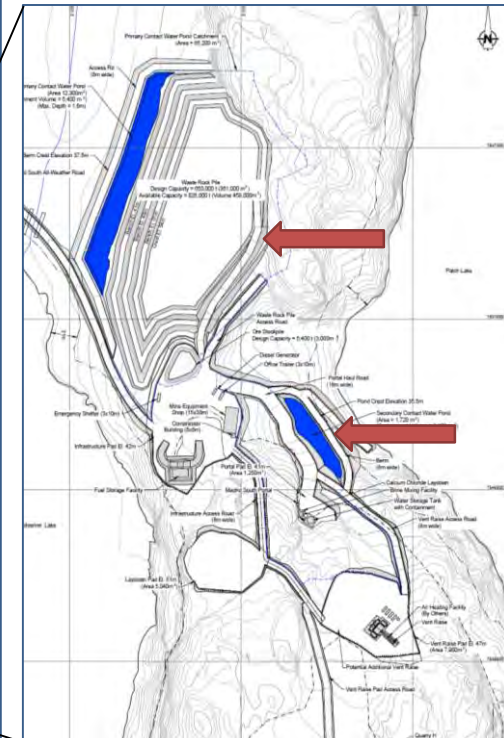
Madrid-mi Igluqpaqavikmi Inigiyaayut



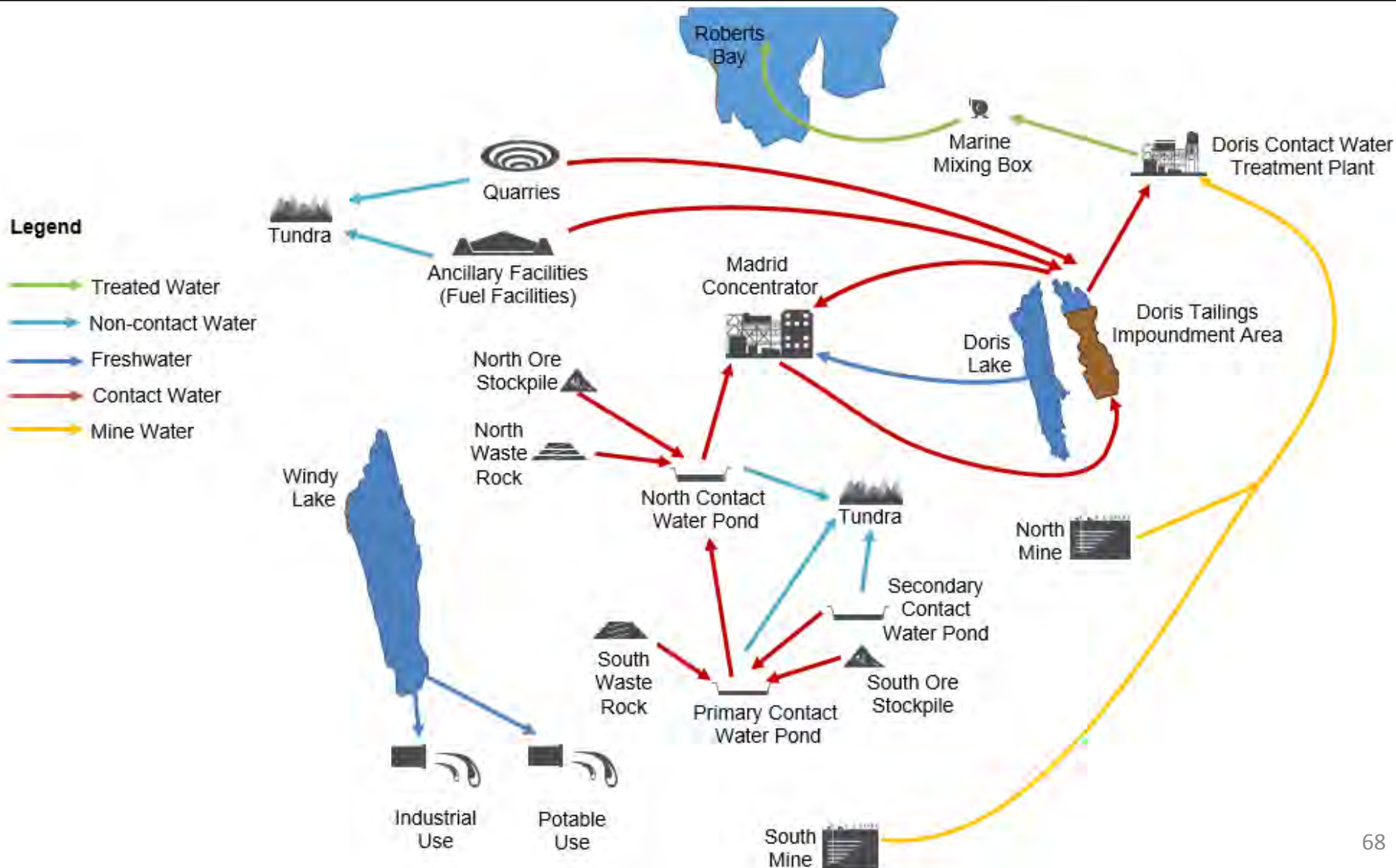
Madrid-mi Tunuungani



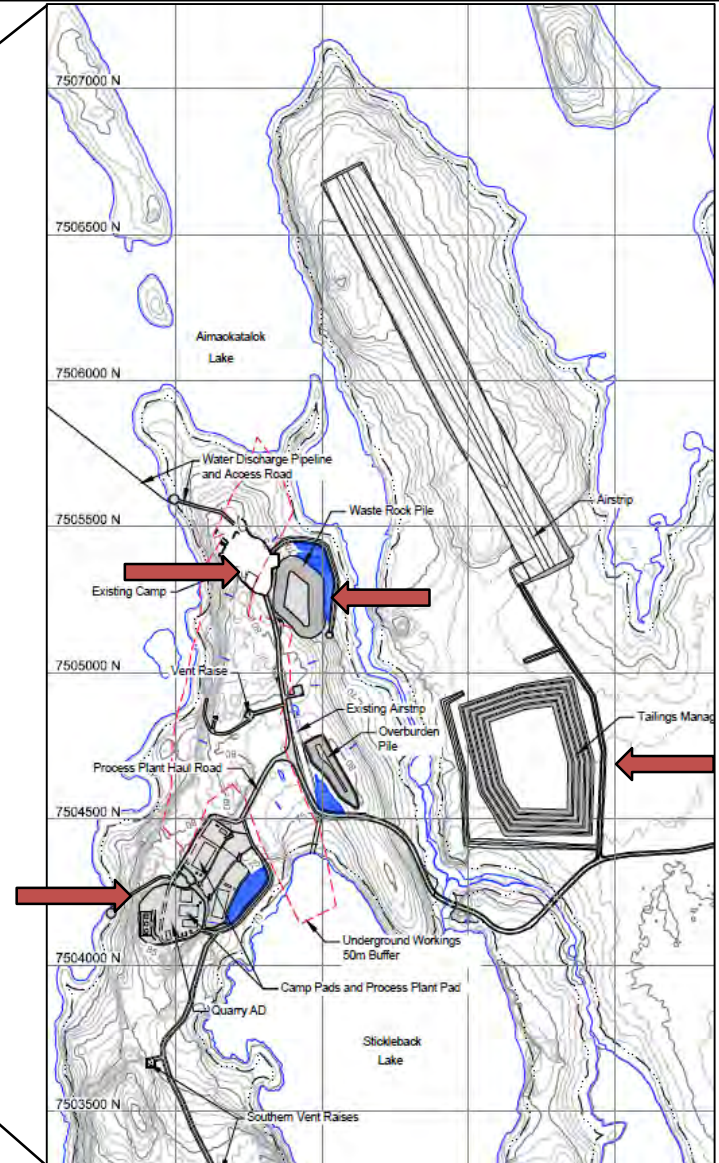
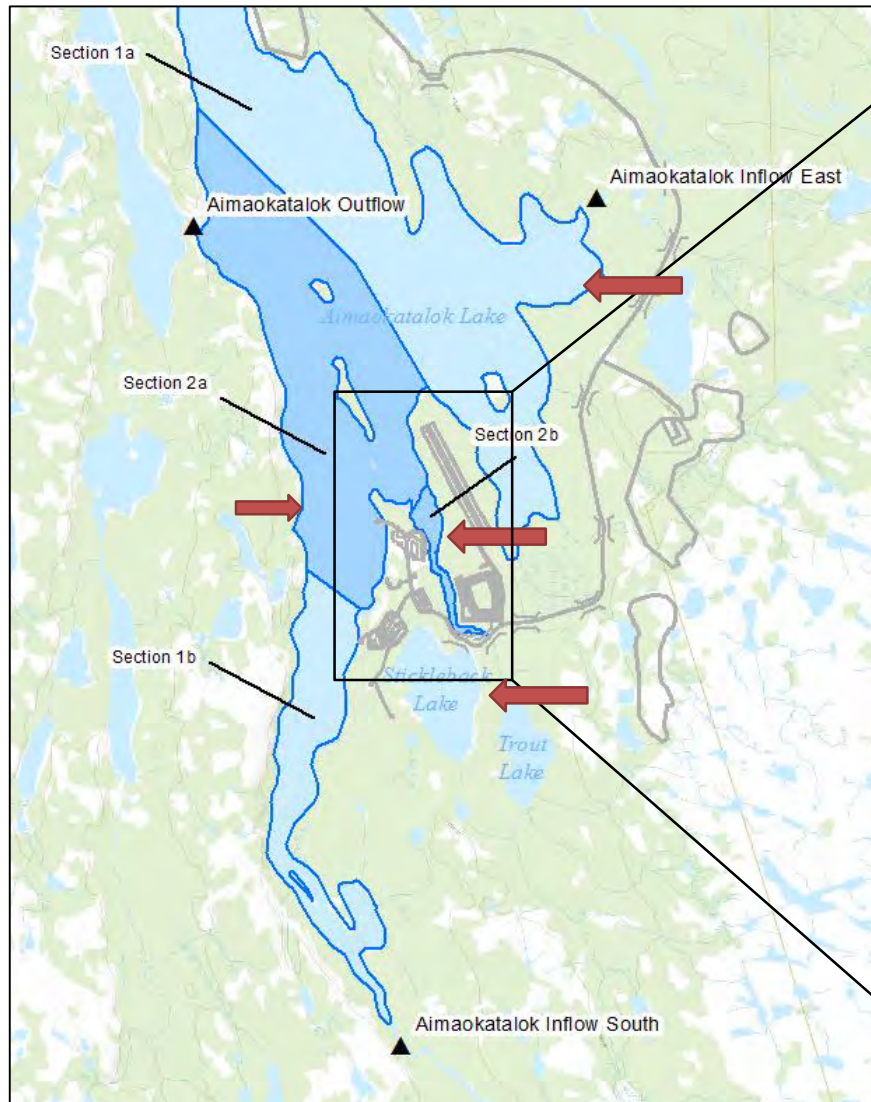
Madrid-mi Hivuraani



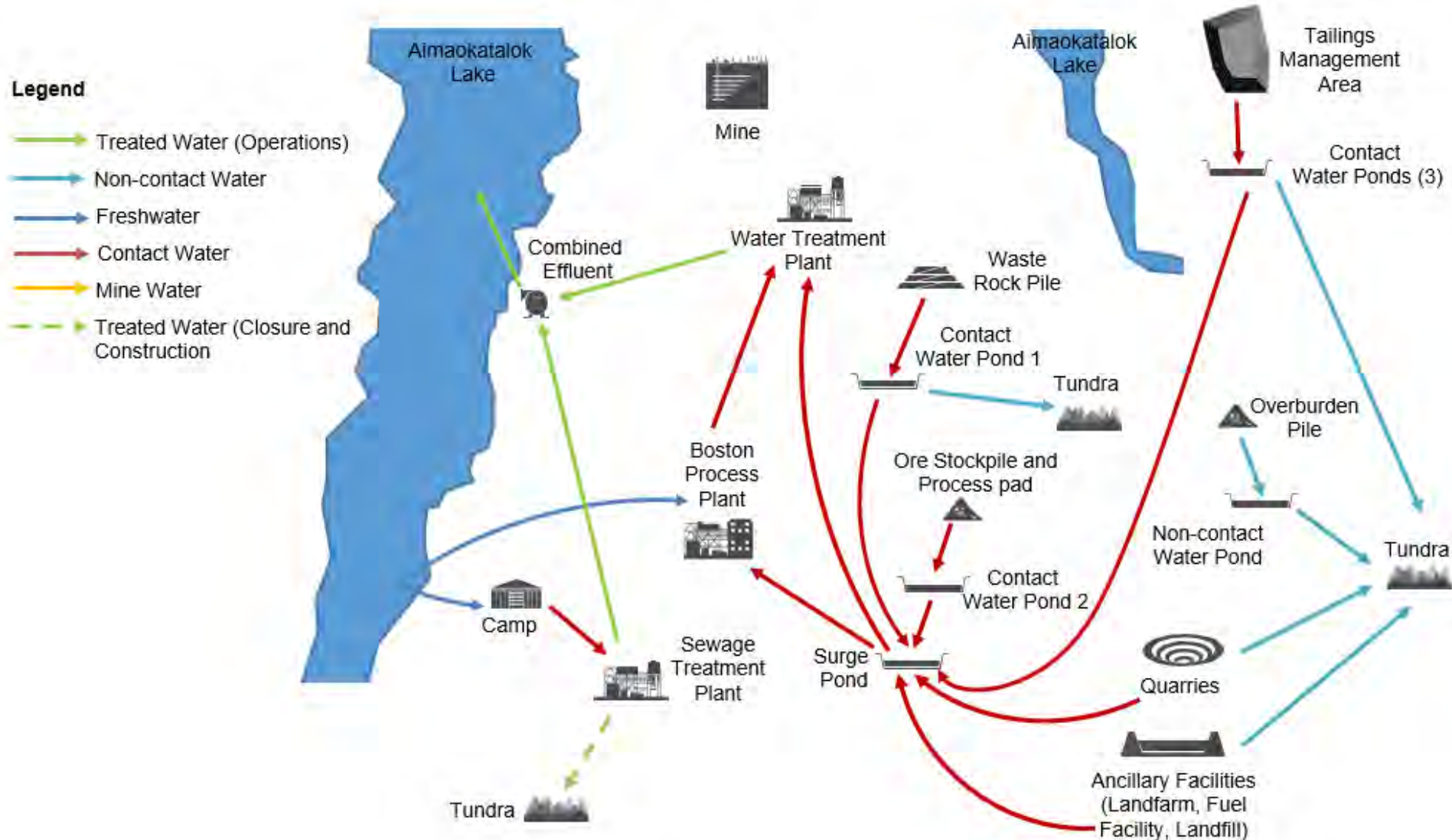
Madrid-mi Immamik Munarinigagut



Boston-mi Igluqpaqavikmi Inigiyauyut Aimaukatakmiu Tahiqmi

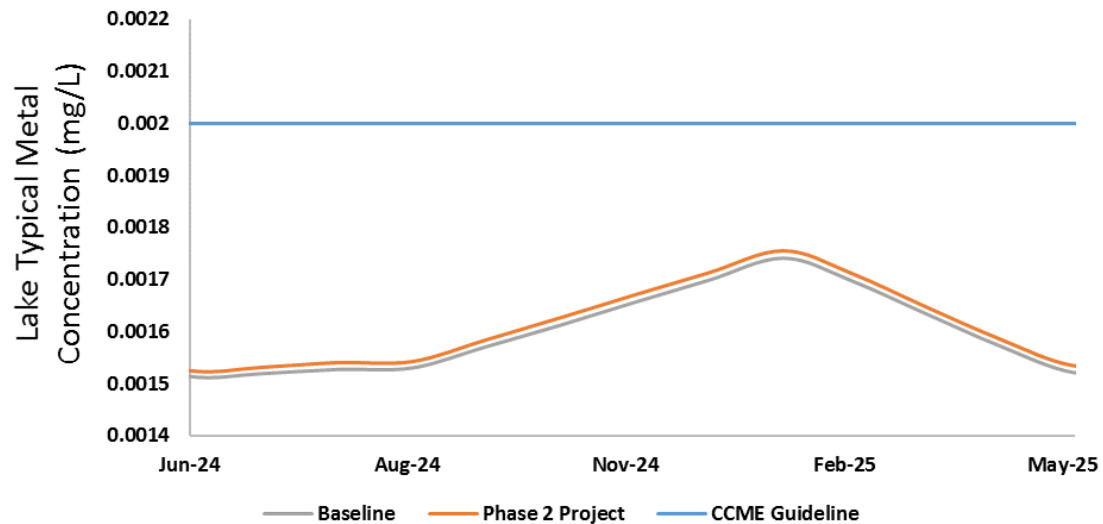
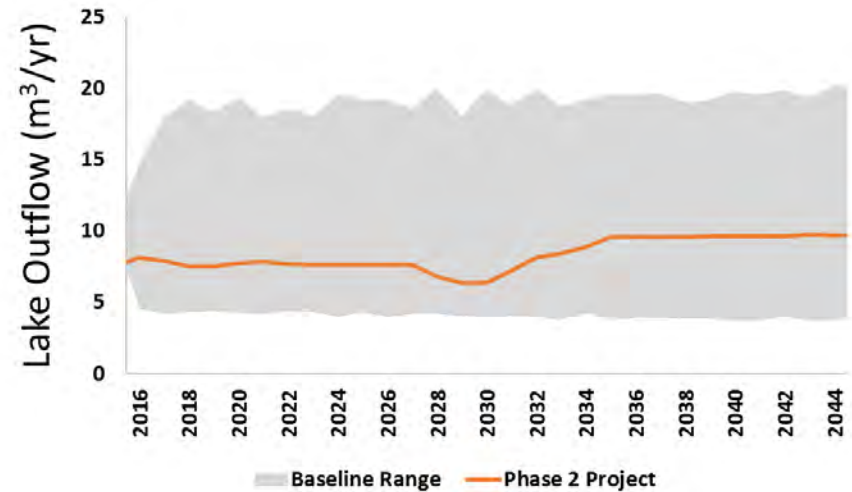
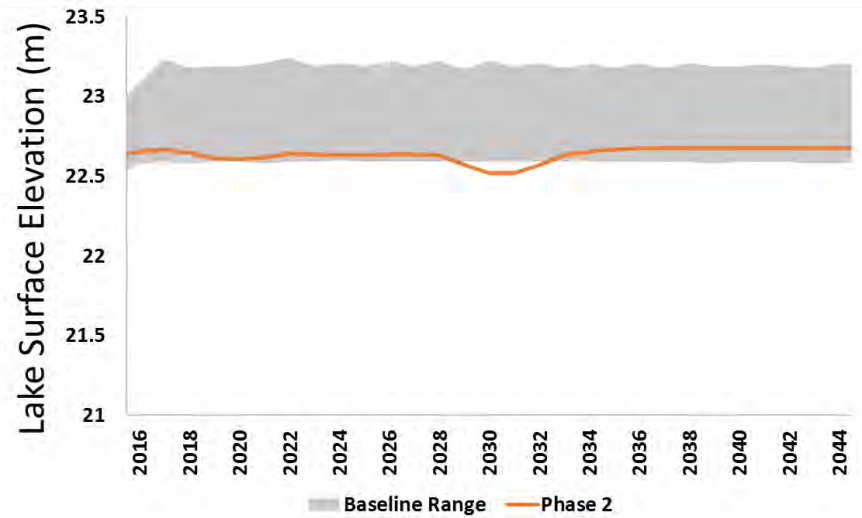


Boston-mi Immamik Munarinigagut

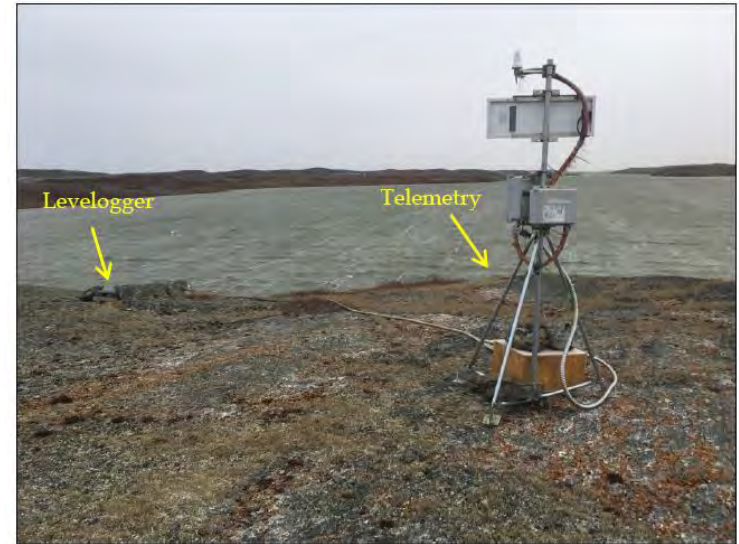


Atuqtunik Pigiarutimik Havauhiuyulu

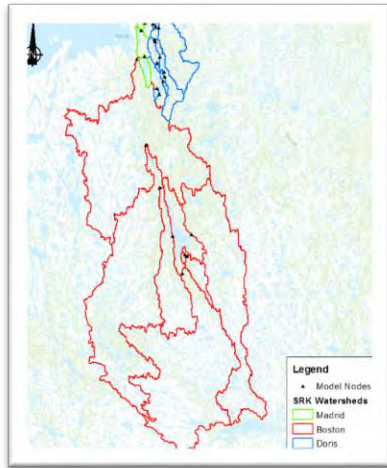
Pijutauniga Atuqtunik



Immaq Naamainaqnigagut Pigiarut – Ajikutaa Doris-mi Nutaaguqtiqniqagut



Atuqtunik Ilaliutinigit – Agitilaaganik



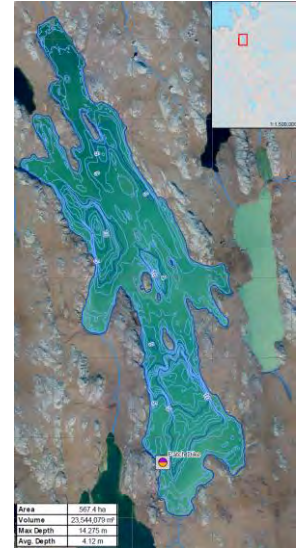
Atautimuuktirivik



Igluqpaqavikmi Inigiyauyuq



Immaqaqnigit
 (Immaktiniginut,
 Hilainaqmukpalianiga,
 Hilaap Aalaguqniganik, unalu
 Kuuknigit Ilaliutivalianiginik)

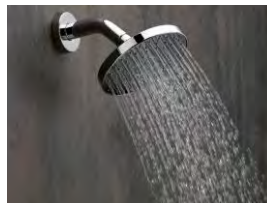


Immautigaqvik
 Itinigilu

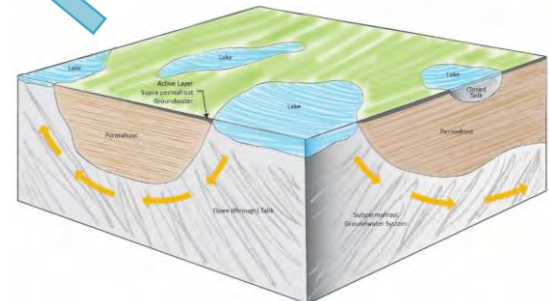
Atuqtuq



Uyaqaqtaat Uyaqiyayulu
 Qanuraaluk Agitilaaganik

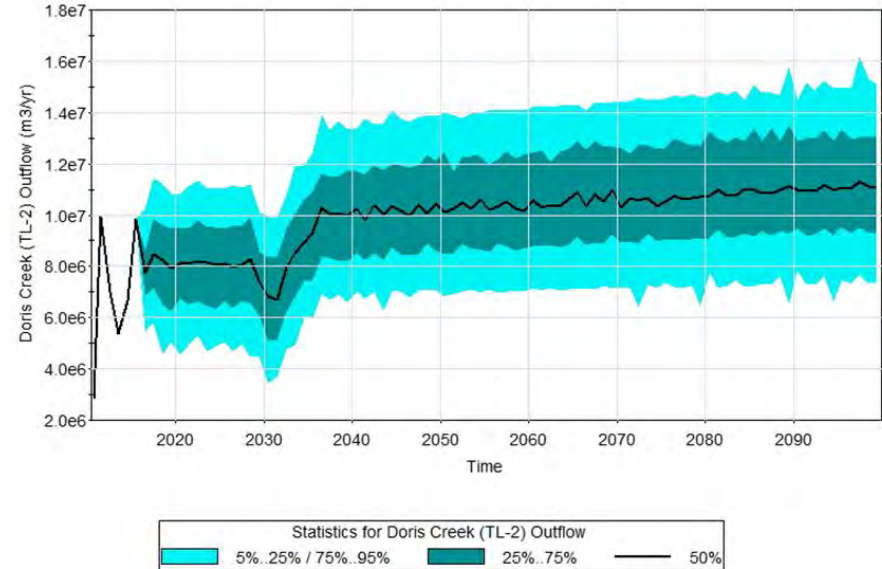
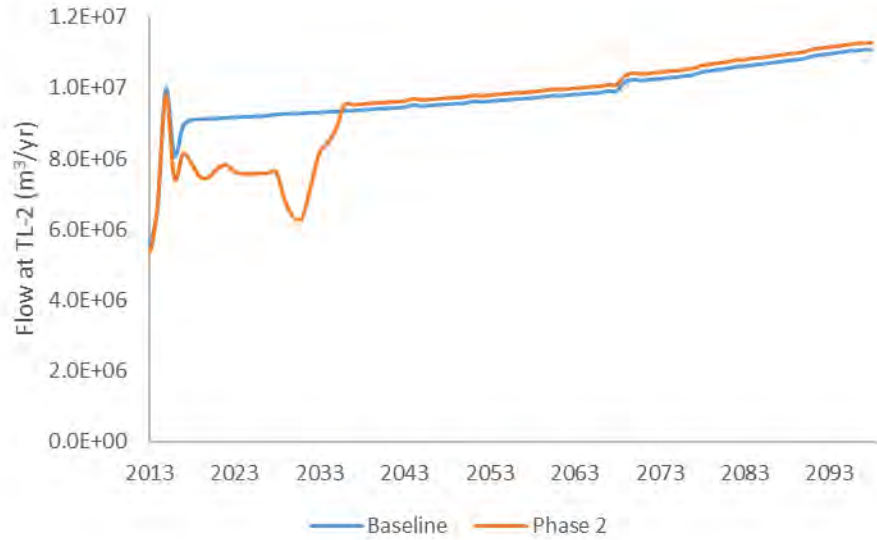
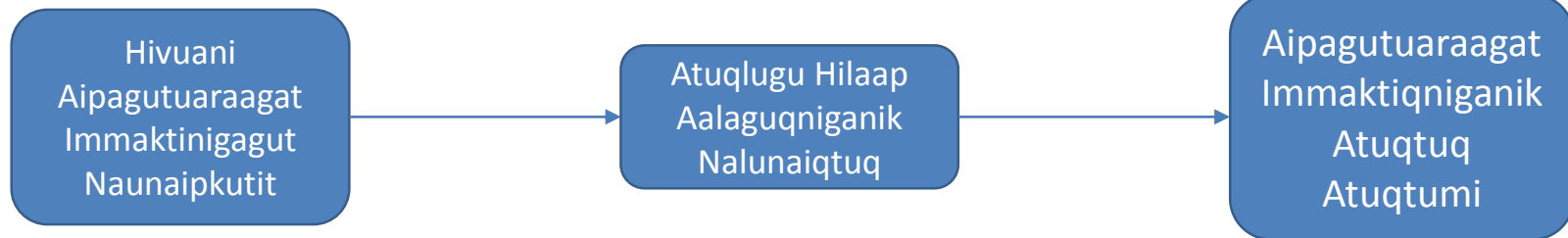


Immaqmik Atuqnigit

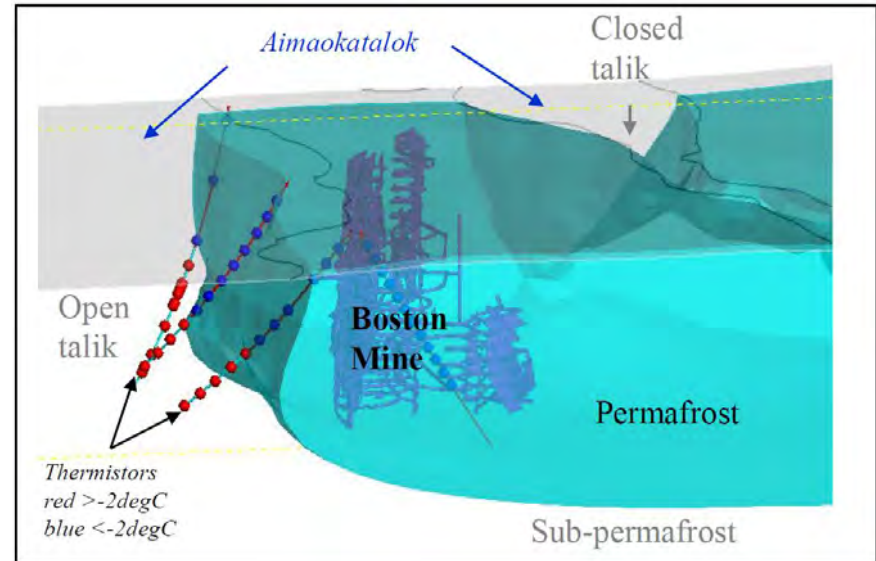
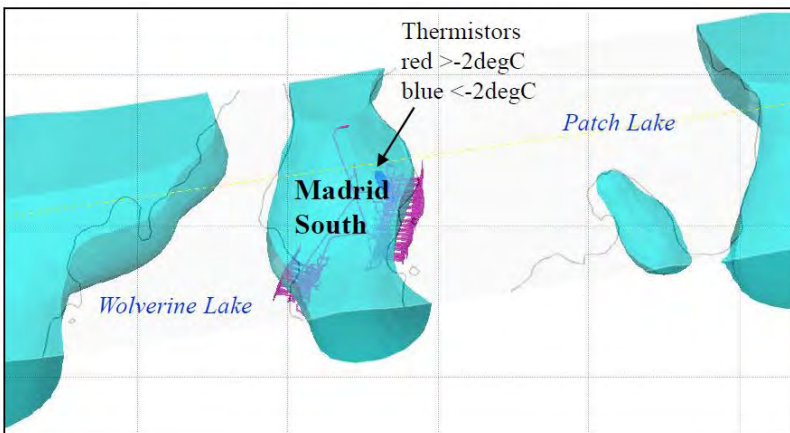
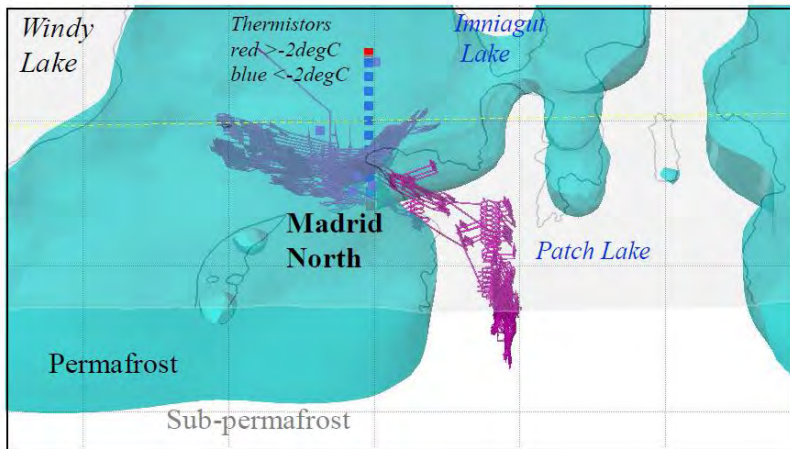


Nunap Iluanit Kuuknigit

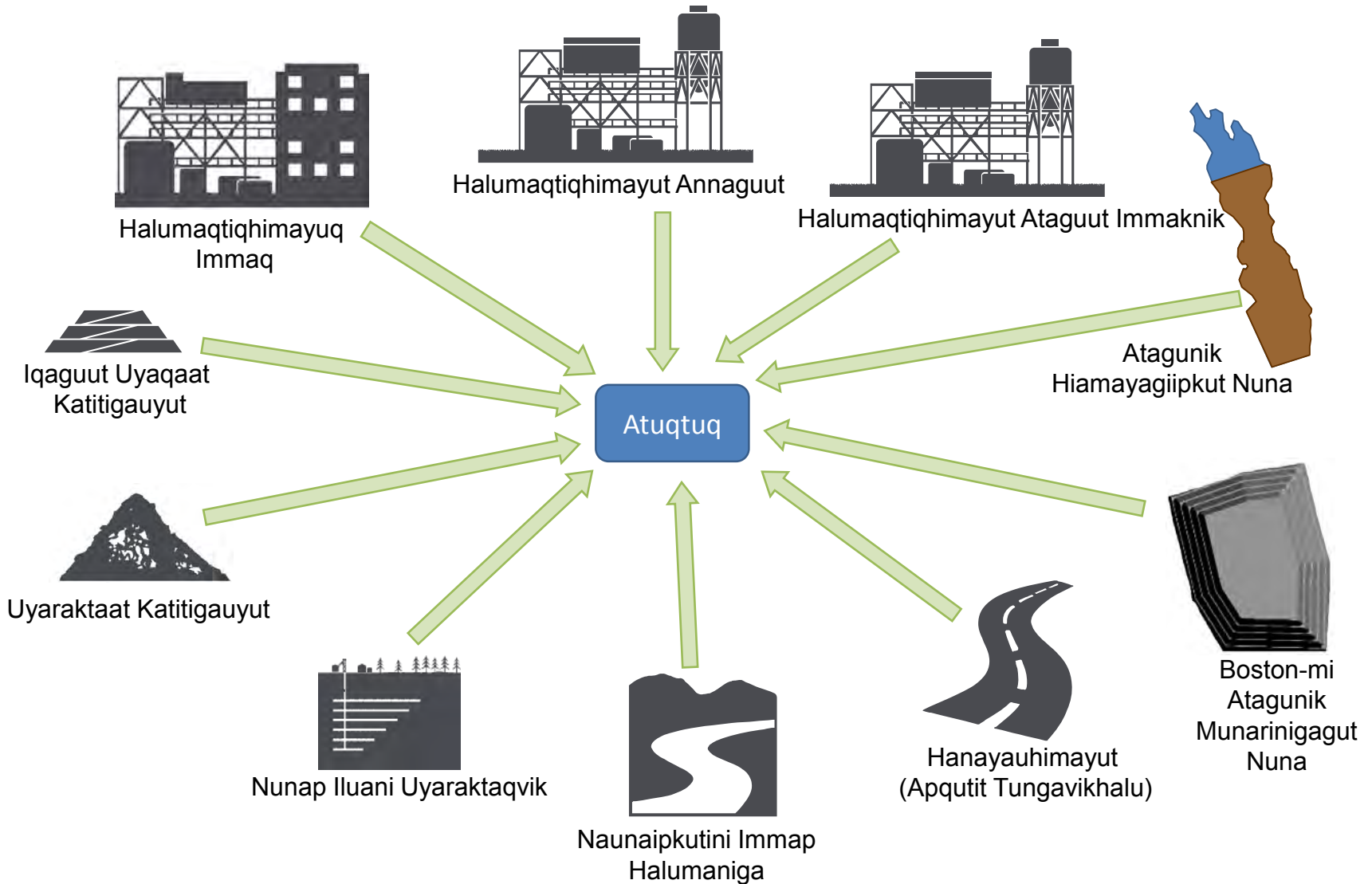
Atuqtunik Ilaliutiniginik – Hilaap Aalaguqniganik



Atuqtumik Ilaliutiniganik – Nunami Immaqaniganik



Atuqtumik Ilaliutiniganik – Qanuraaluk



Atuqtumi Qanurilinit

Doris-mi Madrid-milu Immaqmik Atuqnigagut

Doris-mi
Tahiq

Windy-mi
Tahiq

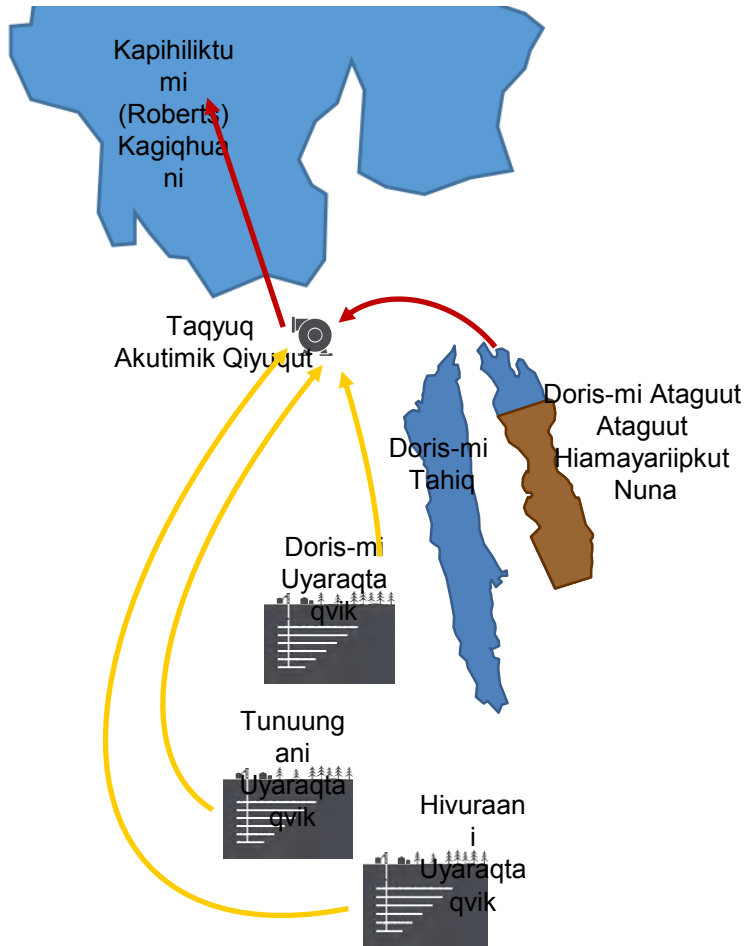
Immaqnik Aturumanigagut	Tahiqmit Immiqtagauyuq (m ³ /ublutuaraagat)	
	Doris-mi	Windy-mi
Doris-mi Uyaqiqivikmi	880	-
Madrid-mi Kuulmik Ahivaqtirijunmi	110	-
Doris-mi Igluqpaqaqvikmi Nuutaulaaqtuni	-	120
Doris-mi Madrid-milu Hunanuliqaa Atuqniginut	1,470	-
Tamaini Havauhiqmi 2	2,460	120
Agikligiaqniga Havaamit 1	1,340	57

Boston-mi Immaqmik Atuqnigagut



Immaqmik Aturumayaunigagut	Aimaukataalukmi Tahiqmi Immiktauhiit (m ³ /ublutuaaraagat)
Boston-mi Uyaqiqivikmi	550
Boston-mi Igluqpaqaqvikmi	90
Boston-mi Hunamuliqaa Atuqniginut	1,000
Tamaini Havauhiqmi 2	1,600

Takyumut Kuuktitauniginut



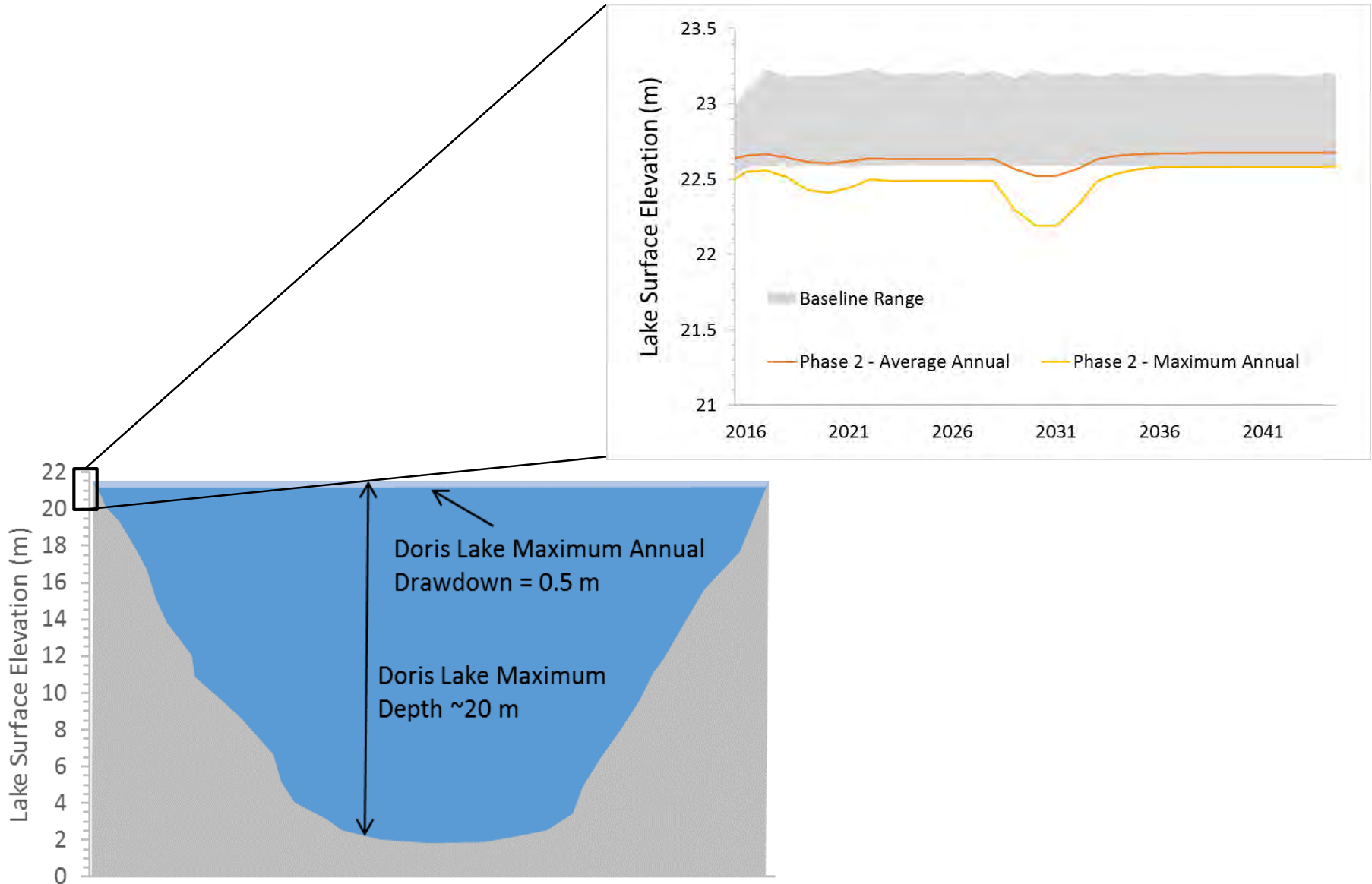
Aginiqhaq Kuuktitauniganik Qanuraaluk Kapihiliktumi Kagiqhuanini (m ³ /ublutuaraagat)			
Havaami	Auyaq	Ukiuq	Umiknigani
1	7,000	3,000	4,000
2	9,750	3,000	6,750

Atuqtumi Qanurilinigagut – Tahiqmi Qanurilinigagut



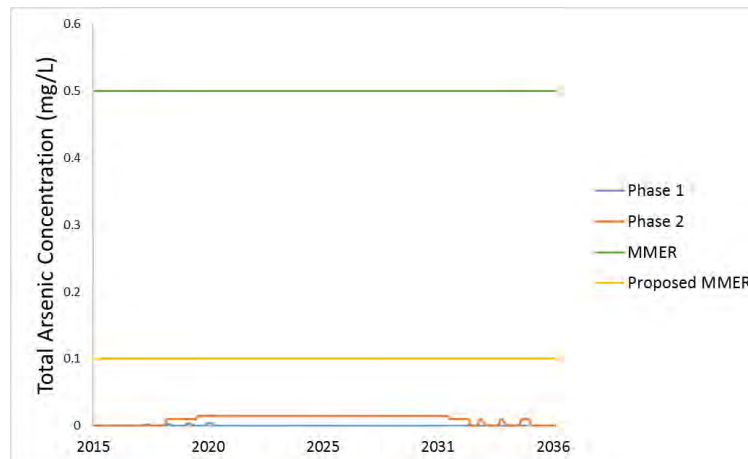
Immaqanigit	Tahiq	Immaiqtiniganik satamiitanik (cm)		Aipagutuaraagat Tattip Immaiyaqnigagut Mikhivalianiganik Ihumagilugit Naunaipkutit	
		Amigainigini	Aginiqhauyuq	Amigainigini	Aginiqhauyuq
Doris-mi	Qalvik	1	5	26%	56%
	Imniagut	94	180	-	-
	Patch-mi	2	7	11%	24%
	Doris-mi	7	40	18%	32%
Madrid-mi	Windy-mi	<1	1	1%	1%
Boston-mi	Ugauyuuyaaqtut	<1	1	8%	12%
	Aimaukataaluk	<1	1	0%	0%

Atuqtumi Qanuriliniagut: Doris-mi Tahiqmi Hivigitumik Imaiyaqnigagut

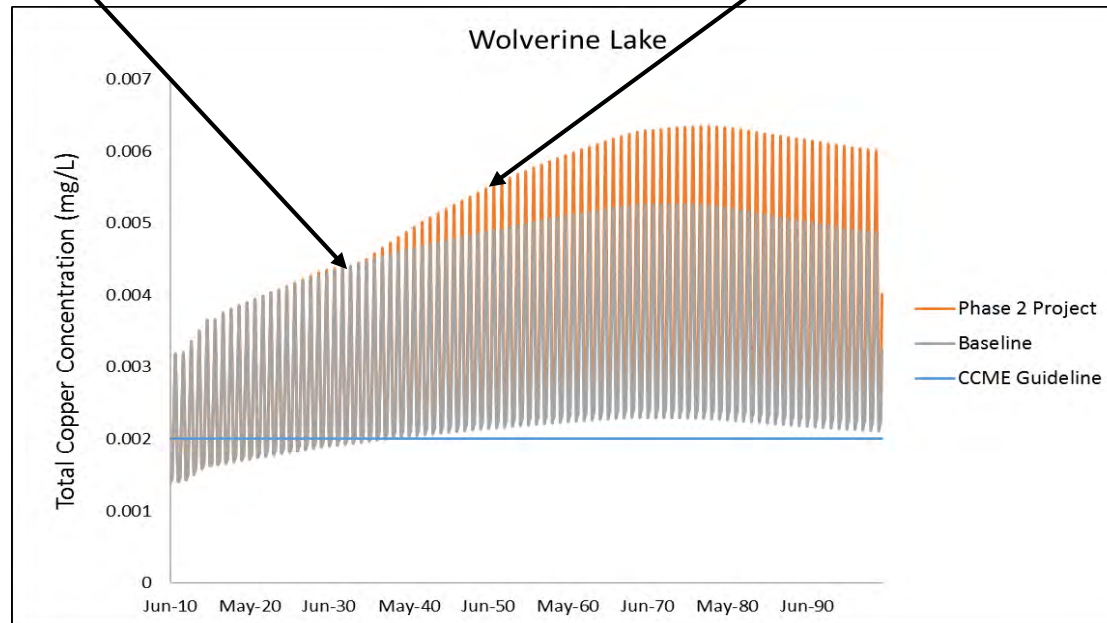
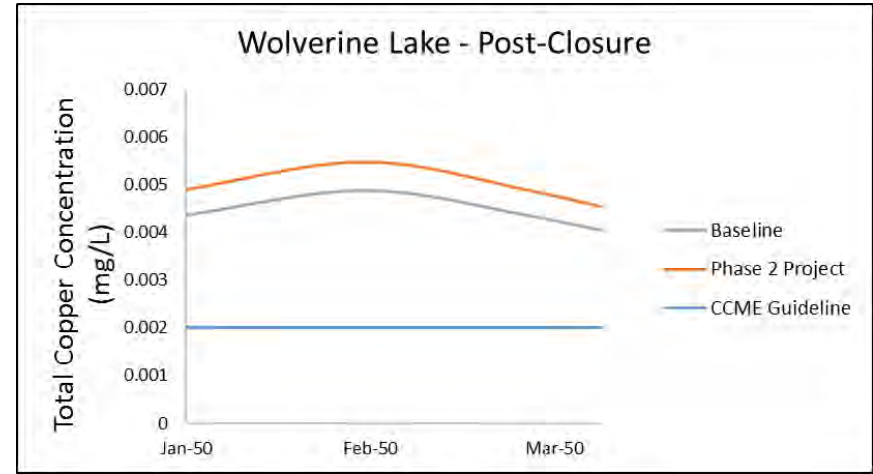
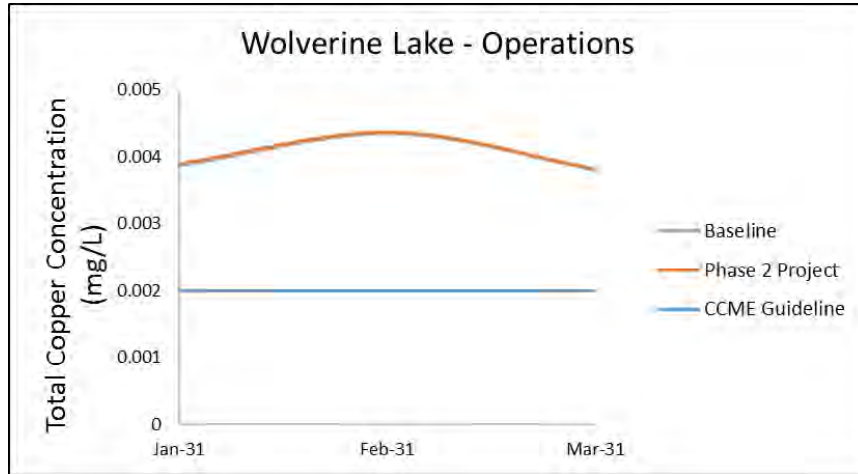


Ataguut Halumaniga

Avatigiyaagut	MMER-giyaa	Taqqumi Agutirivik Qiyugut				Boston-mi	
		Aulaniginik		Umiknigani		Aulanigani	
		Amigainiqhane	Tikitauniga	Amigainiqhane	Tikitauniga	Amigainiqhane	Tikitauniga
TSS-guyug	15	15	15	12	15	8.5	14
Halumailruug Uyaqivikmit	0.5	0.014	0.015	0.0081	0.01	0.0041	0.013
Kanuyag	0.3	0.0093	0.031	0.0052	0.0085	0.00061	0.0019
Tuqunaqtug Uyaqivikmit	1	0.024	0.23	0.0011	0.0092	0.069	0.25
Aqilrug	0.2	0.00042	0.00092	0.00027	0.00064	0.00054	0.0018
Qipliktut	0.5	0.077	0.2	0.0056	0.013	0.0026	0.0085
Havivaluk	0.5	0.051	0.16	0.0093	0.022	0.0058	0.019



Kalvik Tahiq – Mikiyuq Atautimiuyuni Aalaguunig





Tahiq Avatinga



■ Ihivriuqhimagyuq Avatinga Havaqutingit:

- Qaanga Ihivriuqninga nunap imanga
- Qaanga Imanga Qanurittaakhaanik
- Ilakunga Qanurittaakhaanik
- Iqaluk
 - Iqalungit
 - Iqalukpik
 - Aanaakhiiq
 - Ihuuq
 - Arctic Cisco
 - Aanaakhiiq
- Iqalut Nayugangat

Ihivriurnikhanut Inikhaa

Hivunnganiittut Inikhaat Ihivriurnikhanut

1. Atulihaaqhimayangit Pitquhirnikkut Qauyimayangit
2. Nalunairvikhangit Ilitturvikhanut Iningit kigliqaqtut ihumagiyauyut Havaanut hanavikhait
3. Kititiqtangit kigliliugait naunaiyaqhimayangit iluaniittumi tiliyauhimayumi Ilitturvikhangit Iningit

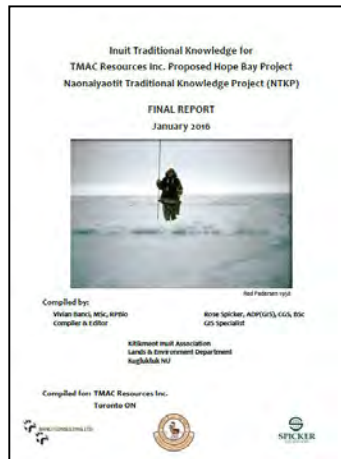
Pilaqutauyut Ihivriurningit Inikhaa

4. Nalunairvikhangit Havaanut hanavikhanit uumani Halumayumik imaq Avatikhat
5. Nalunairvikhangit Ingattaqhittailiningit hiamittailiyukhaq Havaanut Pilaqutiit
6. Malikhaat Havaanut hanavikhanit imarnut amihuuningit nakuuningillu
7. Ihivriurlugit ihumagiyauyut Hiaminnairutingit Atuliqtauningit Havaatigut uumani Halumayunit imait Avatainut
8. Pivalliyuq amiriyakhat inikhaanut kigliqaqtuq takunnaqtumik uumani EIS qimilrurningit

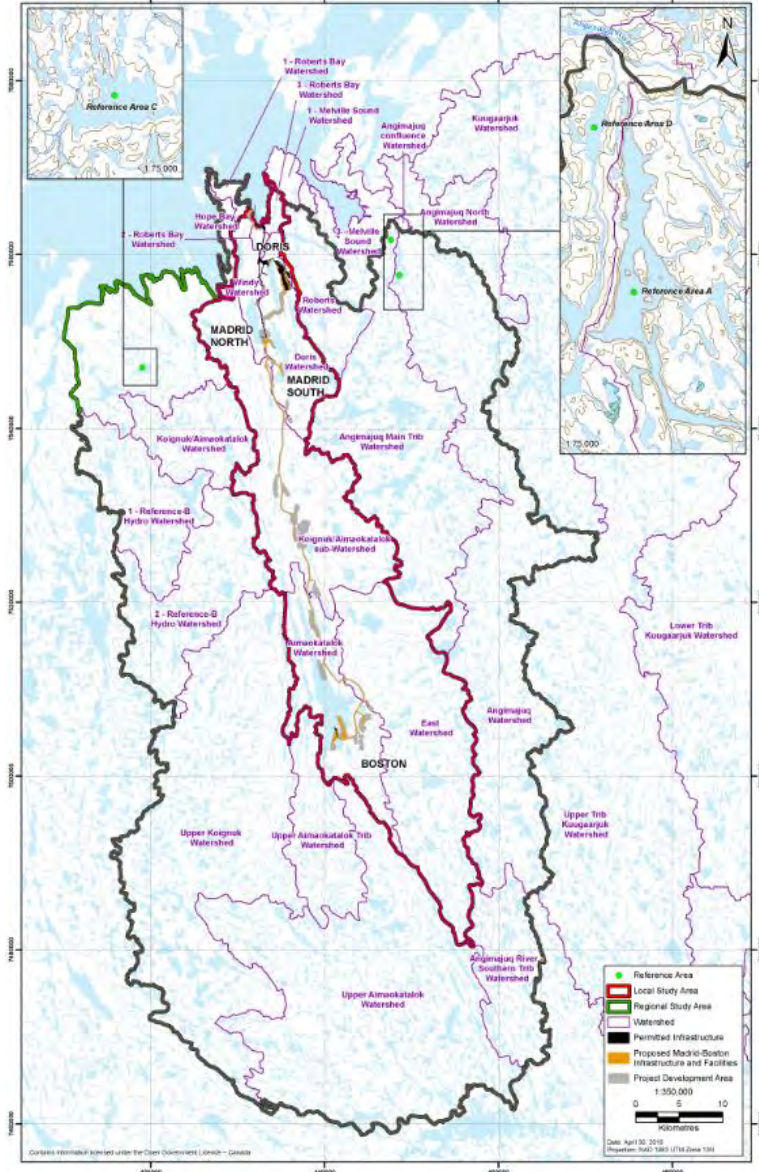
Inungni Aiyukiktuinikmun

Talvanga" Inuit IngilgangnitaniK KauhimaYutukanik talvuna
TMAC Atugakhaliuknikmun Katimayit, Hope Kangikhuani
Havaakhautikhanik, Naonaiyaotit IngilgangnitaniK
KauhimaYutukanik Havaakhautikhanik uniklutiniK"

- IkaalguiniK taahikmiutaniK unalu imaiktitpaktuniK kuuganiK
 - KikiyuniK kalguutivaktuniK ukiumi
- Uyagakhiuktit nalvaakhiutit nalvakgakhaniK unalu aullaktikgutikhanik
- halumailguniK kaahukgakhuugit tapakuniga ikalungniK nigiblugit
- Pinnahuaknikmun hilamiutaniK umayuniK tamakpalliagangamik uvunalu upidjutigilugu kuvyaktuknikmun kuvyaktukviniK
- Pihimangitut ilitukgiyauyuituniK imak imiktaktuk atugakhaniK talvani Havaaghautikhanik nunani, kihimi imak atuktauvaktuk imakaktut

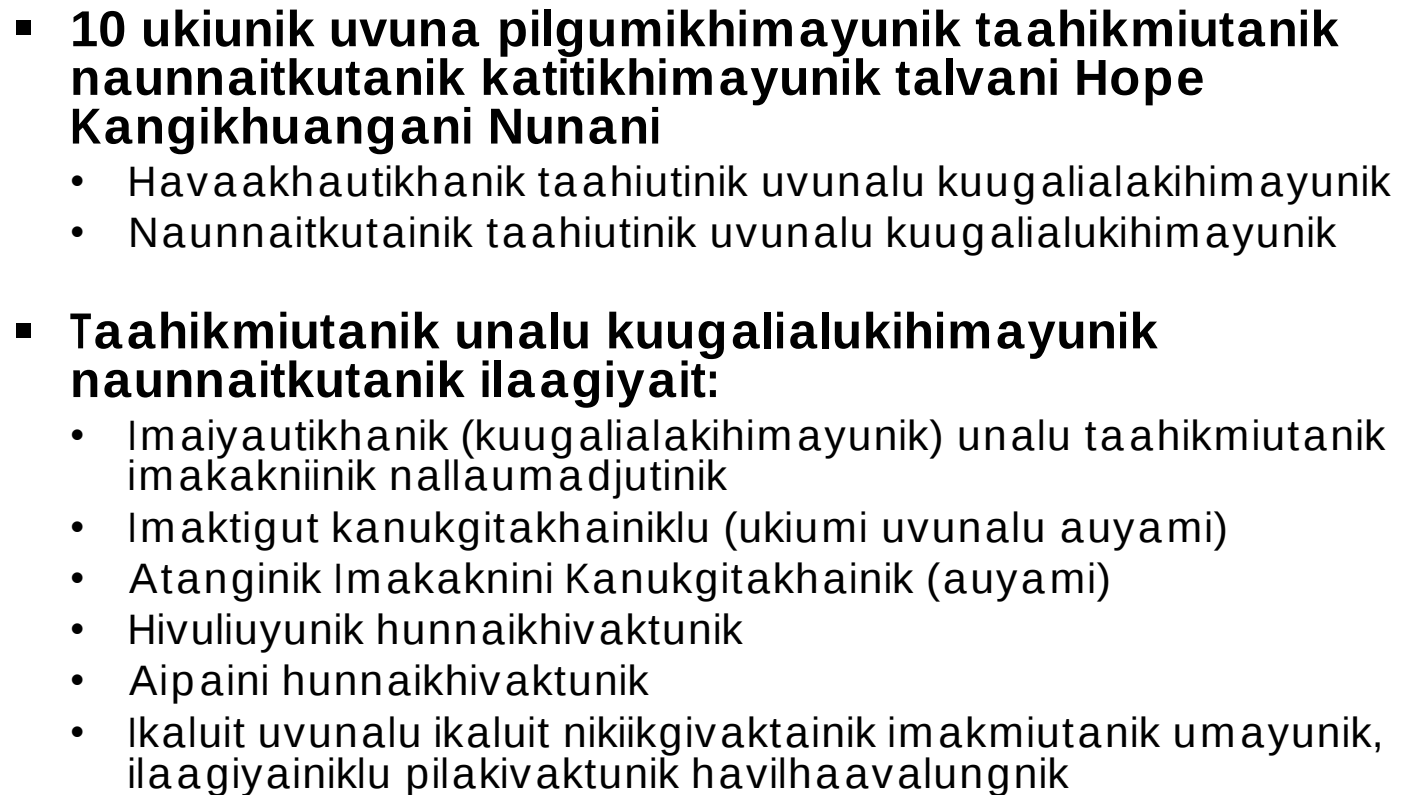


Taahikmiutanik Nunamiutanik - Ihiviukhinikmun Hunnautilanginik Naunaitkutakhanik Nunaini



Nunalingni Ihiviukhinikmun Hunnautilanginik Naunaitkutakhanik Nunaini – Angigliyumi klugu atauhik kuugakliallakihimayuk nalliak aipanit kuugakliallakihimayuk nungumanganit talvanga Havaakhautikhanik hunnayauyukhanik

Nunatuttukat Ihiviukhinikmun Hunnautilanginik Naunaitkutakhanik Nunaini – Angigliyumi klugu atauhik kuugakliallakihimayuk nalliak aipanit kuugakliallakihimayuk nungumanganit talvanga LSA



Imaiyautikhanik Tutkikhakhikhimayunik



- Pinnahuaknikmun ihuikgutivaktunik tutkikhakhikhimayunik:
 - Alanguktiktunik talvuna kanganik imaiyautikhanik
 - o Imak imiktaknikmun talvanga taahikmiutanit
 - o Hunnayauyukhanik unalu atugakhanik nuunap atani uyagakhiukvini
 - o Havaagilugit ilidjuhinik kuugluakvini kuugalialakivaktunik



Imak unalu Atanginik Imakaknini Kanukgitakhainik Tutkikhakhikhimayunik



- **Pinnahuaknikmun ihuikgutivaktunik tutkikhakhikhimayunik:**
 - **Alanguktiktunik talvuna taahikmiutanik imak nalliak atanginik imakaknini kanukgitakhainik**
 - o Nunani hunnaiyainikmun, hunnayauyukhanik uvunalu halumakhinikmunlu
 - o Nunani unalu uyagakhiuktit imakvia
 - o Imak atugakhak
 - o Kaagaktauttinik
 - o Halumakhikhimayunik kuugluaktittauvaktunik
 - o Puuyuanit tingivgaalakpaktunik aaihinunguapkaaknaugituugu

Ikaluit Tutkikhakhikhimayunik



- **Pinnahuaknikmun ihuikgutivaktunik tutkikhakhikhimayunik:**
 - **Ikaluit nikivaktainik imakmiutanik umayunik tamaktunik nalliak avaatingnuktunik**
 - **Ikaluit tukuvaktunik nalliak alanguktiktunik talvuna kafiutilanginik amigiatunik**
 - Havaakhautikhanik hunnayauyukhanik uvunalu aullaktikgutikhanik
 - Imak imiktakpaktainik uvunalu atugakhanik
 - Alanguktiktunik imak uvunalu atanginik imakaknini kanukgitakhainik



Taahikmiutanik – Kayakgilutik uvunalu Munakgiyauyukhanik



- **Kayakgilutik talvuna Havaakhautikhanik Iliktikgutunik**
 - o Atuklutik aullayuitunik hunnayauyukhanik
 - o Tamnainak 1 Havilhaanik Uyagakhiutit Halumailguanik Imaktigut Malikgalingnik kuugluaktittainikmun talvunga taahikmiutanik tamakpiangani havakvini
- **Kakungukgaikpaat Pidjutikariakaktunik**
 - o Kanukgitunik A Imak Nungudjutilingnik Ubluinik Atugakhanik Atuknianut
 - o Ikalukhiutit Malikgak - Havilhaanik Uyagakhiutit Halumailguanik Kuugluaktittainikmun Malikgalingnik
- **Nakunikhainik Munakgiyauyukhanik Nalluyaungitunik**
 - o DFO malikgaxhanik (havakvit karitauyami, kaagaktautunik atugakhanik, kayaknaitumik pitailinikmun)
 - o Atukmilugu unalu atufaakmilugu imak
- **Atadjutikpallialugu Munakgiyauyukhanik**

- **Imanga Ayurhaulinga Munariniq Ihumaliurut**
 - o Nunanga-tamaat ihumaliurut ukunanilu Doris, Madrid, uumanilu Boston
- **Avatinga Ayurhaulinga Munariniq Pinahuarut**
 - o Aimaokatalok Tahiq
- **Qun'ngiaqniqmut Havaqutingit Pinahuarut**
 - o Qanurittumik A Imanga Laisikhaq
- **Imarmiutat Aadjikutaliurniqmut Munariniq Pinahuarut**
- **Munariniq Ihumaliurut**

Qauyimattiarningit Kiuvingit – Halumayumi imait Tuniyauhimayut Avataita



- **KIA: 7 kiuviniit**
- **ECCE: 4 kiuviniit**
- **DFO: 4 kiuviniit**
- **INAC: 4 kiuviniit**

Qauyimattiarnikkut Kiuviniit Kiuyangillu – Imaq



- **Imarmiuttanit Atuliqtauningit Amiqhaiyangit Piliriakhaq**
 - o Uyaraqtarnianut-hivituyuq AEMP
 - o Atauttimut ilaurutiqaanngittunillu qauyihariaqaqtuq
 - o Tattiit tukiingit iluani Doris, Patch, Windy, Ogama, PO, unalu Imniagut tattiit amiriyauyukhat ilittuqtakhaat Iqalungnut Aulattittiniit
 - o MMER/EEM ilittuqhimayut aulapkaqhimayut iluani AEMP
 - o Imarmiuttangit Kiuvikhanut Havaariyaayukhanut pivalliahimayut
- **Avatingnut Atuliqtauningit Amiriauhimayut Piliriakhaq**
 - o Nalunaiqhiningit inikhaq tutqiqhimayaayut
 - o Naunaiqhiivingit nuuhimayut qanilruanut
- **Havagviata Ahiittuq Imarnut Nakuuvinia Hivunikhangit**
 - o TMAC munariyakhaat tahiqa imangit nakuudjuhia unalu SSWQOt ihumagiyaayukhaq malikhugu Imarmiuttanit Kiuvikhanut Havaariyaayukhanut haffumani AEMP pigiaqaqqat.

Ilitariyauyut Uqaqtakhangit Kiudjutingillu - Imanga

- **Uyarakhiurvikmut Ihuaqtut Imanga Qanurittaakhaanik Tikinnahuarutingit**
 - o TMAC munariniaqtait tahiqli imanga qanurittaakhaanik unalu SSWQO-ngit ihumagiyauniaqtut titiraqhimayumi uumani Imanga Qanuriliurutiffaarninnganut Tunngavinga AEMP-mut ihariagiyaupkat.
- **Imanga Ayurhauvinga Munariniq Pinahuarut**
 - o Nunangani-tamaat AEMP
 - o Atauttimut piqaqtumiklu cyanide-mik ihivriuqtaunahuaqtut
 - o Tahingit itinnakninnga uumani Doris, Patch, Windy, Ogama, PO, uumanilu Imniagut tahiit munariyauniaqtut
 - o MMER/EEM naunaiyaininngit aadjikutariyauyut uumunnga AEMP
 - o Imanga Kiudjutingit Tunngavinga piliuqtauyuq
- **Avatinga Ayurhauvinga Munariniq Pinahuarut**
 - o Naunaiyaininnga naunaiqtauyuq
 - o Uuktuutigivingit nuuttut qanigligiami kuvininnganut

Iniqtirninnga uuminnga Tahiq Naunaiyaininnga

- **Piqangittuq akhuurutauyuq Havauhikhaq unaluuniit
Angikliyuumiqtuq ayurhautit**



Quanaqqutit. Apiqqut?

