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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI

SCREENING FORM

1. GENERAL FILE INFORMATION ON SCREENING

NWB Licence Number: NWB 2 ATU

Project Title: MELADINE EAST PROJECT
(Title of project)

Proponent: CUMBERLAND RESOURCES
(Company / Applicant)

Proponent Address: SUITE 906-595 HWY 1
Vancouver BC V6C 2T5 604-608-2557
Fx -608-2559
(Full Address)

Contractor: N/A
(Company / persons doing the work, if different from the proponent)

Date Application Received: 98-05-06
(Year-Month-Day)

Date Application Accepted: 98-05-06
(Year-Month-Day)

Proposed Starting Date of Activity: 98-06-03 → 98-07-15
(Year-Month-Day)

Date Application Referred for Comments: _____
(Year-Month-Day)

Deadline for Comments: _____
(Year-Month-Day)

Date / Location Application Advertised: _____
(Location) (Year-Month-Day)

(Location) (Year-Month-Day)

(Location) (Year-Month-Day)

Date / Location Application Posted: _____
(Location) (Year-Month-Day)

(Location) (Year-Month-Day)

(Location) (Year-Month-Day)

NWB Approval: _____
(Article 13.7.1)

Public Hearing Required: Yes _____ No _____

Public Hearing Date: _____
(Year-Month-Day)

Project Canceled: Yes _____
(Year-Month-Day)

Reason _____

Comments: _____

2. AUTHORIZING AGENCIES

Authorizing Agency(ies): NTI, Regional Inuit Association, NIRB, NWMB, DIAND, DFO,
DOE, RWED, Other _____
(Circle one or more)

Land: Inuit Owned ☒ Crown _____ Commissioner's _____ Marine Area _____

Type of Approval being sought: NEW
(new, renewal, amendment, cancellation)

Other required approvals, permits or licences: HP K1970098 - Exp. 99-04-30
(water Licence, land use permit, quarry permit, lease)

Present Authorizations (active / expiry date): Kivalliq LUP K197C098 April 30/99
(File Number)

Project File Location: KIA office - Tangola Sandy 819-645-8810
(Office where project file is located, contact person and number) fx 645-3855

3. PROJECT LOCATION

Kivalliq _____ Kitikmeot _____ Baffin _____

Land Use Planning Region: _____

Geographic Place Name: Meladine East
(nearest place name or geographic feature)

Local Name: _____
(traditional name for location)

National Topographic Sheet (NTS) Number: 55J ? Scale: _____

Latitude / Longitude: N 62° 56' W 92° 55'

Drainage Region and Watershed: Atulik Lake
(nearest creek, river or lake system)

Nearest Settlement: Rankin La Pelté

Adjacent Settlement / Out-post camps: N/A

Surrounding Land Status: N/A

Special Designation: N/A
(e.g. heritage river, protected area, etc)

Does the project have Nunavut Transboundary implications?: n/o

If yes, what additional procedures/contacts are needed?: _____

4. PROJECT DESCRIPTION AND ASSESSMENT

Physical Work, Activity: _____
(Construction, camp, fuel cache, quarrying, harvesting, water works, installation, operation, maintenance, scientific research)

Multiple Activities: Yes _____ No _____

Project Category Code: (circle those that apply)	Point	Multiple Points	Linear	Area
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Phase of Project: _____
(exploration, bulk sampling, development, operations, decommissioning, abandonment and restoration, municipal)

Project Description Summary:
(duration of project, size of project, number of personnel on site, related physical activities, machinery used, fuels and chemical use and storage, amount and source of resources needed eg. gravel)

[illegible]

Alternatives Considered:

(list all alternatives to the project and / or components of the project to avoid unnecessary amendment, eg. Give 2 alternatives to the location of an ice road and camp logistics or water supply source)

5. THE PROPONENT'S PUBLIC CONSULTATION PROCESS

Description of Proponent's Public Consultation Process: _____

Did proponent make use of traditional knowledge? Yes _____ No _____
(Please attach list of contact names and / or sources of TK)

Was information available in the community's preferred language? Yes _____ No _____

In NWB's opinion, was the proponent's public consultation adequate? Yes _____ No _____

If no, explain why the proponent's consultation program was found deficient.

6. DESCRIPTION OF THE ENVIRONMENT

Description of Biophysical Environment:

Description of Socio-Economic and Cultural Environment:

7. NWB CONSULTATION PROCESS

Date Application Referred for Comments: _____
(Year-Month-Day)

Deadline for Comments: _____
(Year-Month-Day)

Distribution List	Contact Person	Date Comments Received
NUNAVUT		
☐ NTI		
☐ Kitikmeot IA		
☐ Kivalliq IA		
☐ Qikiktani IA		
☐ NPC		
☐ NIRB		
☐ NWMB		
☐ RWO / HTO		
☐ Inuit heritage trust		
☐ RLO		
☐ Community Hamlet: _____ HTO: _____		
☐ Community Hamlet: _____ HTO: _____		
☐ CLARC: _____		
☐ Other: _____		
FEDERAL		
☐ DIAND Water Resources		
☐ DIAND Land Admin.		
☐ DFO: _____		
☐ DOE		
☐ Other: DOT, DND, Health:		
GNWT		
☐ RWED		
☐ MACA		
☐ Public Works		

☐ Environmental Health		
☐ Other: _____		
TRANSBOUNDARY PARTIES		
☐		
OTHER PARTIES		
☐		
☐		

8. IDENTIFICATION OF PROJECT ACTIVITIES AND ENVIRONMENTAL EFFECTS(identify all activities of the project under screening and their potential adverse environmental effects)

Project Activities (Check all the items appropriate to this project)	Project Effects (Check all the items appropriate to this project)
☐ access road ☐ Construction ☐ Abandonment/removal ☐ Modification	1. ☐ impacts to hunting/trapping/fishing
☐ automobile, aircraft or vessel movement	2. ☐ impacts on: ☐ Women ☐ Men ☐ Children ☐ Elders
☐ blasting	
☐ burning	3. ☐ impact to traditional use or traditional use area
☐ burying	
☐ channeling	4. ☐ impact on outfitters
☐ construction ☐ Building ☐ Shed/warehouse ☐ Landing strip	5. ☐ impact on recreational use
	6. ☐ impact on family structure
	7. ☐ impact on community health
☐ cut and fill	8. ☐ impact in community economics
☐ removal of vegetation	9. ☐ impact in community housing or infrastructure
☐ dams and impoundments ☐ Construction ☐ Abandonment/removal ☐ Modification	10. ☐ impact to industry
	11. ☐ change in regional transportation

☐ ditch construction	12. ☐ impact to archaeological or cultural landmarks.
☐ drainage alteration	
☐ drilling other than geoscientific	13. ☐ impact on beauty of the landscape
☐ ecological surveys	14. ☐ other, explain
☐ excavation	
☐ explosive storage	15. ☐ deposit into surface or groundwater
☐ fuel storage	16. ☐ deposit to marine environment
☐ garbage ☐ Disposal of hazardous waste ☐ Disposal of sewage or greywater ☐ Disposal of solid waste	17. ☐ change in surface or groundwater flow
	18. ☐ change in water temperature
☐ geoscientific sampling ☐ Trenching ☐ Diamond drill ☐ Borehole core sampling ☐ Bulk soil sampling	19. ☐ change in drainage pattern
	20. ☐ change in water quality
	21. ☐ change in air quality
	22. ☐ change in air flow
☐ quarry	23. ☐ micro-climatic change
☐ hydrological testing	24. ☐ ice fog
☐ river/stream/lake crossing/bridging	25. ☐ change in ambient noise level
☐ site restoration ☐ Fertilization ☐ Grubbing ☐ Planting/seeding ☐ Scarification ☐ Spraying ☐ Recontouring	26. ☐ deposit onto ground surface
	27. ☐ change in slope stability
	28. ☐ change in soil structure
	29. ☐ alteration of permafrost regime
	30. ☐ destabilization/erosion
☐ soil testing	31. ☐ soil compaction
☐ topsoil, overburden or soil ☐ Fill ☐ Disposal ☐ Removal ☐ Storage	32. ☐ change in access to renewable resources.
	33. ☐ depletion of non-renewable resources
☐ tunneling/underground	34. ☐ removal or rare/endangered plants
☐ other, explain:	35. ☐ introduction of species

☐ possibility for accident or malfunction. Describe:	36. ☐ toxin/heavy metal accumulation
	37. ☐ removal or rare/endangered wildlife
	38. ☐ change in wildlife health
	39. ☐ impact to large mammals
	40. ☐ impact to small mammals
	41. ☐ impact to fish
☐ effects of environment on project (eg. Flooding). Describe:	42. ☐ impact to birds
	43. ☐ impact to other wildlife
	44. ☐ impact to calving, nesting, staging or spawning area
	45. ☐ change in wildlife habitat
	46. ☐ other, explain:

Describe biophysical and socio-economic and cultural effects identified from checklist.

[illegible]

9. CUMULATIVE EFFECTS: IDENTIFICATION OF OTHER RESOURCES USED IN THE AREA (Identify past, current and future(pending application) physical works and activities in the area (for the proponent, other proponents and nearby communities) and their potential adverse environmental effects.)

Project Activities (Check all the items appropriate to this project)	Project Effects (Check all the items appropriate to this project)
☐ harvesting ☐ Marine mammals ☐ Land mammals ☐ Fur bearers ☐ Birds ☐ Shellfish ☐ Plants ☐ Berries ☐ Fish	1. ☐ impacts to hunting/trapping/fishing
	2. ☐ impacts on: ☐ Women ☐ Men ☐ Children ☐ Elders
	3. ☐ impact to traditional use or traditional use area
☐ mining ☐ Exploration ☐ Open pits ☐ Underground ☐ Off-shore	4. ☐ impact on outfitters
	5. ☐ impact on recreational use
	6. ☐ impact on family structure
☐ mineral processing	7. ☐ impact on community health
☐ industry type: _____	8. ☐ impact in community economics
☐ quarries ☐ Carving stone ☐ Aggregate	9. ☐ impact in community housing or infrastructure
☐ transportation/communications ☐ Airport/landing strip ☐ Roads/access routes ☐ Shipping ☐ Channels/canal ☐ Telephone line, satellite dishes, cables ☐ Beacons	10. ☐ impact to industry
	11. ☐ change in regional transportation
	12. ☐ impact to archaeological or cultural landmarks.
	13. ☐ impact on beauty of the landscape
☐ waste disposal (solid, liquid or gas?)	14. ☐ other, explain
	15. ☐ deposit into surface or groundwater
☐ energy project ☐ Hydro ☐ Pipeline ☐ Transmission line	16. ☐ deposit to marine environment
	17. ☐ change in surface or groundwater flow

☐ other water licenses, permits, leases	18. ☐ change in water temperature
☐ lands ☐ Inuit owned ☐ Surface rights ☐ Sub-surface rights ☐ Crown ☐ Commissioner's ☐ Marine areas	19. ☐ change in drainage pattern
	20. ☐ change in water quality
	21. ☐ change in air quality
	22. ☐ change in air flow
☐ other private lands held under tenure	23. ☐ micro-climatic change
☐ heritage sites or archaeological sites	24. ☐ ice fog
☐ recreation (eg. Cabins, tent frames)	25. ☐ change in ambient noise level
☐ tourism	26. ☐ deposit onto ground surface
☐ municipal (construction) ☐ Commercial ☐ Built structures ☐ Infrastructure	27. ☐ change in slope stability
	28. ☐ change in soil structure
	29. ☐ alteration of permafrost regime
☐ agriculture	30. ☐ destabilization/erosion
☐ forestry	31. ☐ soil compaction
☐ other, explain:	32. ☐ change in access to renewable resources.
	33. ☐ depletion of non-renewable resources
	34. ☐ removal or rare/endangered plants
	35. ☐ introduction of species
	36. ☐ toxin/heavy metal accumulation
	37. ☐ removal or rare/endangered wildlife
	38. ☐ change in wildlife health
	39. ☐ impact to large mammals
	40. ☐ impact to small mammals
	41. ☐ impact to fish
	42. ☐ impact to birds
	43. ☐ impact to other wildlife
	44. ☐ impact to calving, nesting, staging or spawning area

	45. ☐ change in wildlife habitat
	46. ☐ other, explain:

10. CUMULATIVE ENVIRONMENTAL EFFECTS

(Based on a comparison of effects identifies in #8 and #9)

Matching Number (s)	Description of Cumulative Environmental Effects
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_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

_____	Will the project make large demands on non-renewable energy sources?
_____	Will the project encourage further developments within the current project or other developments(similar projects, energy development, generation, petroleum development and extraction, the building of additional roads)?
_____	Will the project encourage a “boom-bust” economy over an economy of permanence?
_____	Will the project encourage more wildlife harvesting on account of better access for hunters and fishers?
_____	Will the project have an effect on the water quality of the watershed?
_____	Will the project have a significant effect on existing land uses?

11. MITIGATION MEASURES

(For each environmental effect identified in #8 and #9 and #10, describe the required mitigation measures.)

Number Identified
(#8, #9, & #10)

Description of Mitigation Measures

12. SIGNIFICANCE

After taking into account the mitigation measures identifies in #11, are any of the residual, adverse environmental effects significant?

Yes _____ No _____

If Yes, identify which one (s) and proceed to #13; if No, proceed to #14

Number(s) _____

13. LIKELIHOOD OF OCCURRENCE

Of the significant, residual, adverse environmental effects identified in # 12, are any likely to occur?

Yes _____ No _____

Number(s) _____

14. INFORMATION SOURCES

What sources of information were used in the screening process?

- ☐ local knowledge
- ☐ traditional ecological knowledge
- ☐ land use plans (and draft land use plans)
- ☐ authorizing agencies' data
- ☐ departmental or agency opinions
- ☐ maps
- ☐ photos
- ☐ reports (scientific, economic, social, or anthropological, archival or historical information)
- ☐ Nunavut Water Board Public Registry and CD-ROM files
- ☐ Nunavut Environmental Database (NED)
- ☐ personal communications
- ☐ Project Registry (NPC)
- ☐ previous similar projects
- ☐ service organizations
- ☐ media monitoring
- ☐ experts
- ☐ guidelines, regulations, and relevant acts
- ☐ other: _____

For information sources identified above, provide contact person and /or information location (for future follow-up):

15. STAFF RECOMMENDATIONS

Staff recommendations: (include rationale)

Prepared by: _____ Position: _____

Date Completed: _____

16. NUNAVUT WATER BOARD COMMENTS

17. SPECIAL TERMS AND CONDITIONS OF THE LICENCE

18. AUTHORIZATION

Approved by: _____ Date: _____