NO.	NIRB PHC DECISION (JULY 14, 2005)	Nov 25, 2005 Conformity Y/N	Nov 25, 2005 Comment	Dec 20, 2005 Conformity	Dec 20, 2005 Comment	Revised Location Provided by Cumberland
KEY ISSUES IDENTIFIED BY THE BOARD						
6.1 Wildlife						
a	Updated studies on wildlife movement in the project area, including the area traversed by the all-season road and winter caribou	Y	The FEIS refers to ground surveys conducted along the all weather road corridor in October 2005 and bimonthly for the remainder of the year. Provide the results of those surveys and a discussion of how those results affect the wildlife assessment in the area of the all weather road.	Y	Cumberland provided intention of the surveys, observation results, and speculative discussion of the effects of these studies on the wildlife assessment.	
b	Better analysis of barriers and other options and approaches (such as air horns, fencing) to discourage wildlife from approaching the project area and especially the tailings impoundment area	Y		Y		
c	More analysis and discussion regarding the potential for wildlife including birds and small animals to be affected by contaminants, including acid rock drainage and wind blown contaminants.	N	This is an overview of the methodology for a screening level risk assesssment and does not provide a discussion on the potential for adverse effects on birds and other wildlife from wind blown contaminants and those resulting from ARD.	Y	Cumberland provided clarification on the location where it believes this directive has been addressed in the FEIS.	Terrestrial Ecosystem Impact Assessment
6.2 Fisheries and Aquatics						
a	More information on the dewatering program, including the effec on the water levels, connecting channels and fish passage for remaining lakes; and the fish out program, including the process for removing the fish, the disposition of the dead or alive salvaged fish and the means for communicating the fish-out program to local residents.	Y		Y		
b	Better description of the mine blasting program and the related plan to mitigate the effects of blasting on sensitive elements of fish habitat, such as eggs, food, and fry.	Y		Y		
c	More analysis on acid rock drainage to give a greater confidence that aquatic ecosystems will be protected during mine operation and mine closure.	Y		Y		
d	The effect of changes from the 2005 Mine Operations Plan on water balance.	Y		Y		
6.3 Waste Rock and Tailings Management						
a	Better discussion of cover/capping program including cover materials, thickness, mitigation to avoid pollution of both surface and ground waters, and wind blown contaminants	Y	Discuss cover/capping mitigation program to avoid wind blown contamination.	Y	Discussion provided in Golder December 12, 2005 Technical Memorandum, Section 1	
6.4 Climate Change						
a	The impact of climate change on tailings management	Y	Provide plan for monitoring permafrost development in tailings area. Provide plan for the case where tailings do not freeze as predicted.	Y	Discussion provided in Golder December 12, 2005 Technical Memorandum, Section 2	
6.5 Chemicals Management						
a	Better description of cyanide used in the Project mining process	Y		Y		
b	Better description of the Project's proposed blasting program and ammonium nitrate and explosives materials storage and management	Y		Y		
6.6 All-Weather Road						

NO.	NIRB PHC DECISION (JULY 14, 2005)	Nov 25, 2005 Conformity Y/N	Nov 25, 2005 Comment	Dec 20, 2005 Conformity	Dec 20, 2005 Comment	Revised Location Provided by Cumberland
a	More information to address public safety, including the Proponent's plans regarding all aspects of the traffic control and every aspect of cooperation with the community to plan for and resolve concerns.	Y		Y		
b	Exploration of regulatory aspects of the road, such as traffic control, including consultation with the Hamlet of Baker Lake, the Federal Government (including INAC if appropriate), and the GN to determine the potential roles all levels of government will play in the regulation of the road.	N	Conduct and provide results of consultation with Hamlet, GN, Government of Canada and KIA on the issue of potential roles all levels of government will play in the regulation of the road.	Y-contigent upon Cumberland providing further response by February 10, 2006	Cumberland provided correpondence to INAC, KIA, GN, and Hamlet of Baker Lake inquiring specifically about these organizations' interests in the regulation of the all weather road and in future involvement with the road, after the Meadowbank project is completed.	
c	Long term options for the road, including the exploration of options to keep the road open after mine closure and maintenance plans for the road in the event of the decision is made to keep the road open	N	The information provided in the FEIS to address this directive is insufficient, particularly given that this directive was emphasized by the Minister in his letter to NIRB dated September 7, 2005. Evidence has not been provided to show that options to keep the road open after mine closure have been explored with input from the agencies responsible for managing or owning the land across which the road would be constructed. The issues surrounding long term options to keep the road open after mine closure such as maintenance, liability, public access, and transfer of security deposits have also not been addressed.	Y-contingent upon Cumberland providing further response by February 10, 2006	Cumberland provided correpondence to INAC, KIA, GN, and Hamlet of Baker Lake inquiring specifically about these organizations' interests in the regulation of the all weather road and in future involvement with the road, after the Meadowbank project is completed.	
6.7 Shipping and Marine						
a	Full explanation of potential impacts from increased shipping traffic and potential for spills, including consultations with Chesterfield Inlet and how and whether or not sections 6.2.2 and 6.2.3 of the NLCA, including the Government of Canada designation of a person who is liable for marine transportation, applies	Y		Y		
6.8 Socio-economics						
a	Comparison of Arctic Bay/ Nanisivik mine experience, and perhaps Eastmain, to assess the potential social and economics effects in the satellite community (Baker Lake) affected by the mine. This includes the effect of closure of the mine and road on the 737 airstrip at the Project site	N	Provide a comparison, at a minimum, of Baker Lake to the Nanisivik mine experience, using using available socioeconomic studies, and professional judgement. Discuss the effect of closure of the mine and road on the 737 airstrip.	Y	Cumberland reviewed Brubacher and Associates report entitled "The Nanisivik legact in Arctic Bay" and provided discussion of comparision of Nanisivik to Meadowbank.	
b	Effect of the mine on the Hamlet of Baker Lake and local service providers from problems caused by alcohol and safety	Y		Y		
c	Essentially, a better discussion of the potential negative social effects on the Baker Lake community as well as the potential effects of hiring from the Kivalliq region, including Chesterfield Inlet.	Y	Provide assessment of potential effects to Chesterfield Inlet from the employment, training and business opportunities provided by Cumberland.	Y	Cumberland provided discussion.	
6.9 Traditional Knowledge						
a	Better discussion of the use of Traditional Knowledge in reaching conclusions in the Final EIS, particularly with regard to the impact of the road on Baker Lake, and the impact of the Project on other Kivalliq communities (concerns regarding the lack of jobs for Chesterfield Inlet and Rankin Inlet, and the issue of off-loading fuel and shipping up the river from Chesterfield Inlet area).	Y	Provide a succinct discussion on the use of Traditional Knowledge in assessing the impact of off-loading fuel and shipping up the river from Chesterfield Inlet area.	Y	Cumberland refers back to response to Key Issue 6.7 in FEIS and refers to TK gathered from Chesterfield Inlet HTO.	
APPENDIX 1 - CUMBERLAND RESOURCES LTD. COMMITMENTS						

NO.	NIRB PHC DECISION (JULY 14, 2005)	Nov 25, 2005 Conformity Y/N	Nov 25, 2005 Comment	Dec 20, 2005 Conformity	Dec 20, 2005 Comment	Revised Location Provided by Cumberland
General						
1	All new information given in Technical Meeting presentations will be included in FEIS	Y		Y		
Project Related Design						
2	Provide finalized detailed mine plan and schedule to include revisions to pit designs and any changes to dike alignments	Y		Y		
3	Indicate predicted mine life of tailings dam	Y		Y		
4	Provide updated closure schedule for dike breach and estimated location of breach	Y		Y		
4a	ACRES: Provide summary and include statements in the FEIS on the dike reclamation after the mine closure, how and which of the dikes will be removed or breached, and its justificaitons	Y		Y		
5	Include revised wording for the elimination of options	Y		Y		
6	Provide a statement regarding closure ditch designs	Y		Y		
7	Discuss details of infrastructure disposal during closure	Y		Y		
8	Provide more detail (including location and characteristics) of explosives mixing plant, ammonium nitrate storage, and magazines, including quantities and distances to vulnerable features	Y		Y		
9	Provide information regarding sewage and solids waste management. The FEIS will also provide information regarding the volume of camp sewage that will report to the Tailings Impoundment Area (TIA) in order to address why sewage inputs were not included in water quality modeling for the TIA.	Y		Y		
10	Provide mineral reserve numbers	Y		Y		
11	Provide a figure with a cross-section through each pit and combine the figures on one sheet	Y		Y		
12	Include all elevations and scales on any drawings and cross-sections in FEIS	Y		Y		
13	Provide clearly labelled and updated figure of all project components	Y		Y		
Permafrost						

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14	Include up-to-date raw thermistor data and geothermal modelling	Y		Y		
15	Include updated map showing locations of thermistors	Y	Figure 6.2 difficult to read	Y		
16	Include the bathymetry of project-associated lakes	Y		Y		
17	Annotate the permafrost cross-section with thermistors, showing depth and location of proximal thermistors	Y		Y		
18	Provide statement in FEIS on monitoring Tailings freezeback	N	Thermal modelling results of the Portage Tailngs Facility predict times to freeze to depths into the talik. Discuss how these tailings freezeback predictions will be monitored.	Y	Discussion provided in Golder December 12, 2005 Technical Memorandum, Section 2	
18a	Rationale to be provided for monitoring program	N	Provide a rationale for the above mentioned monitoring program.	Y	Discussion provided in Golder December 12, 2005 Technical Memorandum, Section 2	
Groundwater						
19	Provide location of groundwater monitoring wells onto maps	Y	Figure 5.5 difficult to read;	Y		
19a	Provide revised water balance calculations	Y		Y		
20	Provide the characterization (hydraulic conductivities) of the fault running through the tailings area, including drilling data and results and reference this into the FEIS	Y		Y		
21	Provide hydrogeological modelling assumptions and results, including those pertaining to fault feature	Y		Y		
22	Provide open pit stability assessment	Y		Y		

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23	Verify quantities and geochemistry of lake sediment and how these results are used in determining disposal of lake sediment	Y		Y		
23a	CRL to identify the locations of potential disposal sites, and provide existing data on the locations where the samples were taken	Y		Y		
24	All technical data, including analytical results, figures, tables and information sources used in groundwater assessment to be referenced in FEIS	Y		Y		
24a	CRL to provide details of post operational groundwater flows between 2nd and 3rd Portage Lakes, including flow directions and water chemistry into the Portage and Goose Lake pits	Y		Y		
Mine Waste, Tailings Dikes and De-watering Dikes Alternatives						
25	Terrain maps for project site – to be provided to parties as soon as possible	Y		Y		
26	Provide clarification regarding the decision matrices for the Portage Waste Rock pile and Tailings Impoundment Area (as it relates to the possible effects on all affected fish-bearing lakes) – to be provided to parties as soon as possible	Y		Y		
26a	The rationale for selecting the various factors, sub-indicators, relative weightings and the ranking of the various options needs to be supported with scientific evidence. The various options need to be clearly described with supporting rationale for each component of the option	Y		Y		
27	Provide clear rationale for locations of east dike and westerly portion of Goose Island pit. Clarify location of South Camp dike.	Y		Y		
28	Provide confirmation of the capacity of the tailings impoundment area to provide for extra volume needed for ice entrapment potential, use for lake sediment disposal and future mine expansion.	Y	Confirm capacity of the TIA to provide for lake sediment disposal and future mine expansion.	Y	Discussion and clarification of where in FEIS this information should be located is provided in Golder December 12, 2005 Technical Memorandum, Section 3	Figure 7.2, Section 7.2 and 8.1 Mine Waste and Water Management Plan
28a	CRL will clarify the source of till for the construction of the East dike, the construction stage at which Ultramafic (UM) rock will be placed on the dikes, whether the placement of UM rock can be used to isolate the work area, and the level to which the UM will be placed in the context of the range of water levels in 2nd and 3rd Portage Lakes	N	The reports and sections indicated in the commitments table do not clarify the construction stage at which UM rock will be placed on the dikes, whether the placement of UM rock can be used to isolate the work area, and the level to which the UM will be placed in the context of the range of water levels in 2nd and 3rd Portage Lakes.	Y	Discussion and clarification of where in FEIS this information should be located is provided in Golder December 12, 2005 Technical Memorandum, Section 4	Table 2.1, Section 9 and Figure 9.1 of Mine Waste and Water Management Plan,

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28b	Option to deepen and widen the connecting channel between 2nd to 3rd Portage Lake needs to further consider impacts to fish populations, at what time the channel will be altered (in the context of dewatering pit and tailings areas), whether this will achieve the desired result, and whether the upstream invert of the connecting channel will reduce water levels in 3rd Portage Lake as a result of construction or potential failure during operation and closure. The alternate options to discharge excess water needs to be considered	N	The reports and sections indicated in the commitments table do not address whether the upstream invert of the connecting channel will reduce water levels on 3rd Portage Lake as a result of construction or potential failure during operation and closure. Alternate options to discharge excess water are also not addressed.	Y	Cumberland provided discussion and clarification	Section 6.2.2.3 and 6.1.2.1 Aquatic EIA
28c	The impact of reduced flows in downstream channels will address the continued ability of fish to access upstream habitat during the period of refilling the pits, particularly during spring freshet	N	The Baseline Aquatic Ecosystem report section 7.9 concludes that it is highly unlikely that there are any anadromous char in this system above St. Clair Falls. The Aquatic Ecosystem Fish Habitat Impact Assesment report section 6.1.1.6 provides an impact assessment during construction, not the period of refilling the pits. These reports and sections indicated in the the commitments table do not address the directive.	Y	Cumberland provided discussion and clarification.	BAEAR Section 7.10.10
28d	An analysis of the long-term stability of the East dike and tailings dams will be provided to address the risk of failure beyond closure	Y		Y		
Geochemical Program and Water Quality						
29	Provide a rationale for monitoring plans for groundwater and permafrost	Y		Y		
30	Show location of reference lakes and cross reference as appropriate	Y		Y		
30a	Show locations of reference lakes outside the mine area, where baseline data were collected, and include this figure in the FEIS	Y		Y		
31	Include a discussion of mitigation measures for the potential effects of the fault under tailings dike (i.e. possible grouting, and/or artificial freezing) in FEIS within the context of groundwater modelling during operation and post-closure period	Y	Discuss the extent to which the tailings dike grout curtain mitigates the effects of seepage through the fault under the tailings dike during operation and post closure.	Y	Discussion and clarification of where in FEIS this information should be located is provided in Golder December 12, 2005 Technical Memorandum, Section 5	Section 7 and 7.1 of Project Alternatives Report, Figure 7.4 of Project Alternatives report, Section 6.6 of Mine Waste and Water Management Plan
32	All data and results from geochemistry, including water quality predictions, will be provided as soon as possible and will also be included in FEIS	Y		Y		
32a	Provide details of different rock lithologies (mineralogy, geochemistry, Acid Rock Drainage (ARD) and Metal Leaching (ML) potentials). Detailed sulphide and carbonate mineralogy, including heterogeneity in UM rocks to assess impact of capping Potentially Acid Generating (PAG) and ML rocks	N	The report and section indicated in the commitments table do not provide detailed sulphide and carbonate minerology or heterogeneity in UM rocks	Y	Discussion and clarification of where in FEIS this information should be located is provided in Golder December 12, 2005 Technical Memorandum, Section 6	Section 3.2.1 Water Quality Predictions report, Section 3.4 Vol1 and Appendix E of Static Test results for overburden, mine site infrastructure rock, pit rock, and tailings report,
33	Further document sensitivity results on water quality predictions. Provide ranges of predicted concentrations	Y		Y		
34	Provide the updated Whole Lake Water Quality Predictions	Y		Y		

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34a	Provide the updated Whole Lake Water Quality Predictions, including areas within/along created fish habitat and the degradation time to an acceptable level in the FEIS	Y		Y		
34b	Provide the updated information on "whole Lake Water Quality Predictions", which contains references and analyses, including detail modeling on the diffusion of metal leachate concentrations as water is flowing out from dikes	Y		Y		
35	Provide information regarding the volume of camp sewage that will report to the Tailings Impoundment Area (TIA) in order to address why sewage inputs were not included in water quality modeling for the TIA	Y		Y		
36	Include information on the timing and multistage pumping of dewatering as possible mitigation measures to help address Total Suspended Solid (TSS) levels	Y		Y		
37	Provide long term post closure groundwater flows, pit lake stratigraphic, and chemistry analysis	Y	Provide long term post closure pit lake stratigraphy and chemistry analysis	Y	Clarification of where in FEIS this information should be located is provided in Golder December 12, 2005 Technical Memorandum, Section 7	Appendix F of Water Quality Predictions report
38	Provide inflow modeling to determine groundwater inflow quantity and Total Dissolved Solids (TDS) concentration during mine operation to NRCan	Y	Confirm that NrCan has received the groundwater inflow model.	Y	Cumberland provided confirmation. Discussion of the reports provided in Golder December 12, 2005 Technical Memorandum, Section 8	Appendix B of Water Quality Predictions report, Appendix F Baseline Physical Ecosystem Report, Section 2.4.3 Mine Waste and Water Management Report
39	Provide the 'Mine Site Water Quality Modelling Predictions' report, including static and kinetic test modeling assumptions/justifications	Y		Y		
39a	Provide 'Mine Site Water Quality Modeling Predictions' information, which includes static and kinetic test modeling assumptions/justification. Detailed information on initial test results and their utilization fact to justify reduced concentrations due to channelling (hydrology), particle size distribution, climate, tailings disposition plan	Y		Y		
40	AVS (Acid Volatile Sulfides) and SEM (Simultaneously Extractable Metals) studies have been completed and results will be provided	Y		Y		
41	The FEIS will include a discussion as to why processed ore toxicity data is not presented.	Y		Y		
42	Clarify the operational plan for the handling and control of the PAG waste	Y		Y		
43	Provide case histories to support PAG waste management option	Y		Y		

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44	Provide a materials balance showing available waste rock types (UM, IV, IF/PAG, non-PAG) versus volumes of disposal in waste rock pile and volumes needed for construction of various mine components. If waste rock is going to a waste rock pile, indicate which pile	Y	Materials balance should compare the types of material available with the types material required for construction of various mine components.	Y	Discussion, Materials Balance Table and clarification of where in FEIS this information should be located is provided in Golder December 12, 2005 Technical Memorandum, Section 9 and Appendix	Table 2.1 Mine Waste and Water Management Plan
45	Provide maps indicating locations of samples for PAG rock determination in FEIS	Y	Drawings 1 and 2 are very difficult to impossible to read. Consider separating groups of samples onto separate drawings and ensure labels are legible.	Y	Revised drawings provided in Golder December 12, 2005 Technical Memorandum Section 10 and Appendix	
46	Include the schedule and process by which attenuation pond water from 2nd Portage Lake area would be moved (in year 5) to Goose pit	Y		Y		
47	Identify the revised size of Portage Waste rock pile considering that portion of waste rock being moved to Goose pit and confirm that fishbearing waters will not be impacted	Y	Discuss potential impact to fish bearing waters.	Y	Cumberland provided revised location in FEIS where information should be provided.	Aquatic EIA Section 6.1.5
48	Provide regulatory criteria used to identify PAG rock	Y		Y		
49	Clarify the circumstances under which quartzite will be used as aggregate, including options for mitigating any impacts from the inclusion of this PAG material	Y		Y		
50	Provide information on how the freezing of the tailings impoundment takes into account the groundwater inflow	Y		Y		
51	Provide case histories on exothermic reactions and their effect on tailings freezing	Y		Y		
51a	Provide sulphide mineral content of tailings	Y		Y		
52	Provide cyanide storage and transport details	Y		Y		
53	Provide more detail on adaptive management and monitoring in relation to Vault waste rock pile	N	Provide details of an adaptive management plan should water quality monitoring of the waste rock drainage not confirm predictions.	Y	Discussion is provided in Golder December 12, 2005 Technical Memorandum, Section 11	Water Quality Predictions report
53a	Provide statement that the Vault waste rock disposal area is not expected to require a capping layer above the waste rock after mine closure, due to its current evaluation of favourable rock chemistry. However, monitoring will be carried out in the Vault waste rock piles throughout the mine operation	Y		Y		
54	Include information / sensitivity analysis regarding how extreme events and above normal lake levels could impact the GoldSim water balance graphs, to ensure that the design and impact assessment takes extreme events into consideration	N	The Mine Waste and Water Management report section 10.2.2 provides water management infrastructure design criteria for extreme events but does not explain how extreme events were incorporated into the GoldSim water balance model or how extreme events impact the water balance assessment.	Y	Discussion and clarification of where in FEIS this information should be located is provided in Golder December 12, 2005 Technical Memorandum, Section 12	Section 10.2.2 , 10.3 and 11 Mine Waste and Water Management Plan
55	CRL to provide the reference document showing baseline water quality in the various lakes, including location, time and sampling of the water for chemical testing	Y	Hardcopy of Table 5.1 is not completely legible, although electronic version is complete.	Y		
56	Additional geothermal modelling to be carried out and provided to parties as soon as possible. General agreements include:	Y		Y		

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56a	Global warming attenuates to zero change at 100 years	Y		Y		
56b	The 4.4 degrees C variation between MAAT and MAGT is unrealistic to model	Y		Y		
56c	Will use variation in the magnitude of predicted climate change within the 100 year period so as to provide a broader range of geothermal effects. The range consider accepted climate change predictions.	Y		Y		
Wildlife and Terrestrial						
57	Update Ecological Land Classification surveys to reflect the concerns of interveners, particularly with respect to ground-truthing	Y		Y		
58	Update wildlife Cumulative Effects Assessment including expanding the Caribou Regional Study Area (RSA) to include winter ranges in northern Manitoba and Saskatchewan	Y		Y		
59	Describe environmental health monitoring, including methodology for collecting baseline data for screening level risk assessment for terrestrial animals and country foods	Y		Y		
60	Update wildlife monitoring plan	Y		Y		
61	Provide rationale for not doing waterbird surveys along Tehek-Quoich-Lunan rivers	Y		Y		
62	Clearly describe methods used to determine high, moderate or low suitability habitat for each wildlife VEC	Y		Y		
63	Assess impacts of mine-related disturbance on wildlife and the effect on habitat effectiveness	Y		Y		
64	Provide supporting documentation related to impact assessment methodology	Y		Y		
65	Update Local Study Area (LSA) and RSA boundaries, including:	Y		Y		
65a	The change to RSA to reflect the new access road	Y		Y		
65b	Expanded LSA around Vault area encompassing both the original LSA areas	Y		Y		
65c	Defined LSA for the all-weather road	Y		Y		
66	Assess wildlife and terrestrial baseline conditions along access road and conduct overall impact assessment	Y	Provide results from late October 2005 aerial survey of the RSA including all-weather road area. Show map of terrain and soils in the RSA and LSAs. The overall Terrestrial Ecosytem Impact Assessment lacks detail, particularly for impacts related to all weather road and quarrying activities.	Y	Cumberland provided intention of the surveys, observation results, and speculative discussion of the effects of these studies on the wildlife assessment. Cumberland provided clarification of the location where it believes the information is provided.	Appendix C of the Physical Ecosytem Impact Assessment

NO.	NIRB PHC DECISION (JULY 14, 2005)	Nov 25, 2005 Conformity Y/N	Nov 25, 2005 Comment	Dec 20, 2005 Conformity	Dec 20, 2005 Comment	Revised Location Provided by Cumberland
67	Assess impact of quarry and borrow sites on wildlife and terrestrial VECs	N	FEIS Appendix F provides the road impact matricies (including borrow pit and quarries) for all project VECs, including wildlife and terrestrial VECs, that were submitted during the DEIS Conformity Review. Impact matricies are a useful FEIS summary tool, but cannot be relied upon for the review of an FEIS which requires detailed descriptions of the impacts and explanations of their assessment. Information addressing this directive should be contained within the Terrestrial Ecosystem Impact Assessment document, however this document lacks detail particularly for impacts to VECs from road and quarrying activities.	Y	Cumberland provided clarification on the location where it believes this information is located.	Terrestrial Ecosystem Impact Assessment
68	Provide mitigation measures and protocols related to problem wildlife	Y		Y		
69	Provide the aerial wildlife sampling survey methodologies as soon as possible and reference in the FEIS	Y		Y		
Aquatic						
70	Make appropriate comparisons to drinking water guidelines in tables referring to water quality	Y		Y		
71	Explicitly describe frequency of effluent toxicity testing under MMER	Y		Y		
72	Provide discussion relating to the concern of introduction of TSS into 3rd Portage Lake from 2nd Portage Lake during dewatering. If necessary, also provide the mitigation plans	Y		Y		
73	Clarify the methodology and rationale for habitat mapping and quantification and compare to other mines e.g. Ekati and Snap Lake	Y		Y		
73a	The relative advantages and disadvantages of the fish habitat model will be compared to other Northern mining projects models such as EKATI, Diavik and Snap Lake. The Proponent will incorporate indicators of productivity (I.e. CPUE), where appropriate, in support of the fish habitat model. The fish habitat model will incorporate species- and life-stage specific differences for all fish species in the project-affecte waterbodies into the fish habitat model. Specifically, the model will account for habitat requirements of rare species such as burbot, stickleback and sculpin	Y		Y		
74	Provide results of all fish studies conducted along the all-weather road route, including the assessment of possible increased fishing pressure on the lakes near the road in FEIS	Y		Y		
74a	Provide results of all fish studies (using appropriate sampling times and techniques) conducted along the all-weather road route, including the assessment of possible increase fishing pressure on the lakes near the road	Y		Y		
75	Provide account for residual habitat loss in the following areas:	Y		Y		
75a	in smaller areas like Phaser Lake	Y		Y		
75b	extended airstrip	Y		Y		
75c	small fish bearing ponds (if any)	Y		Y		
75d-i	Baker Lake barge landing facility	Y		Y		

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	All fish habitat, regardless of relative value, will be included in the calculations of losses and gains of fish habitat. Improving access to Third Portage Lake will further consider implications on existing fish populations in those lakes. Compensation associated with the proposed TIA, if justified, will be presented separately. A contingency plan will be developed for fish habitat enhancements due to failure and/or delays in the FEIS. DFO will provide Cumberland with DFO perspective on what has worked/not worked at other mines in the NWT (e.g., Ekati, Diavik) to "avoid r reinvention of the wheel"	Y		Y		
76	Provide more information based on recent literature research regarding intra-species habitat utilization of project lakes	Y		Y		
77	Provide thresholds and explanation for the level of change in sediment chemistry that would justify the collection of benthos to monitor contaminant	Y		Y		
78	Provide literature review and discussion related to water column oxygen concentration during winter and indicate how late winter sampling will be conducted in 2006	N	Provide indication of intention for and how late winter sampling will be conducted for 2006	Y	Cumberland clarified that the 2006 late winter sampling will not be conducted.	
79	Provide further detail on water treatment technologies (AMEC)	N	Provide clarification for what is meant by "separate dedicated treatment for metals in a water treatment system". Specify proposed technology(s) under consideration.	Y	Cumberland provided clarification.	
80	Provide more background information on the potential change in trophic level from nutrient discharge in effluent	Y		Y		
81	Identify particular areas along shoreline of 3rd Portage Lake that might be at risk from slumping during de-watering of 2nd Portage Lake	Y		Y		
81a	Identify particular areas along shoreline of 3rd Portage Lake that might be at risk from slumping during dewatering of 2nd Portage Lake to improve impact prediction and mitigation measures during higher than anticipated years. Impact of increased flows on downstream areas of Second Portage Lake to be addressed	Y	clarify maximum increased flows downstream of project lakes and the impact of the increased flows on downstream areas.	Y	Cumberland provided clarification on the location where it believes this information is located.	6.1.2.1 Aquatic EIA
82	Account for habitat loss in Phaser Lake as a result of 1m drop in water level	Y		Y		
83	Update maps to reflect the one intake pipe	Y		Y		
83a	The Proponent will identify the location for the freshwater intake pipe to service the mine throughout the operations, and will ensure the location avoids sensitive fish habitat	Y		Y		
84	Cumberland will double check if lake bed sediments will be used in construction of the core of the dikes and if so, this will be stated in FEIS	Y		Y		
85	Ensure that the blast management plan in the FEIS accounts for DFO addendum relating to blast design during periods when water bodies are ice covered	Y		Y		
85a	A Blast Design Report will be submitted, taking into account the DFO addendum relating to blast design during frozen conditions	Y		Y		
86	Committed to make sure that intake pipe is located away from any sensitive habitat	Y		Y		

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87	The ultimate fate of salvaged fish from project-affecte waterbodies will be presented and incorporate the DFO Fish-Out Protocol adjusted for the project and the wishes of Baker Lake residents	Y		Y		
88	The results for all past aquatic studies, including sampling methodology,time, dates, and locations to allow the determination of additional sampling of lower trophic levels required for 2005 and beyond that is required to provide an adequate understanding of the natural variability in support of monitoring of project-related impacts during construction, operation and closure	Y		Y		
89	The results from the 2004 and 2005 aquatic baseline sampling program will be incorporated into the integrated aquatic baseline data. Fish passage/movement in project-affected watercourses, the identification of limited or life-stage specific habitat types (spawning) and the confirmation of other fish species (i.e. Arctic grayling, burbot) will be further sampled using various sampling techniques (minnow traps, seines, etc) conducted at appropriate times of the year, in support of impact prediction and the No-Net Loss plan	Y		Y		
90	CRL will clarify that char do occur upstream of the falls	Y		Y		
91	Fisheries surveys for Phaser Lake, NF-1 and the associated connecting channels will be conducted to determine species presence, abundance and habitat function. Project-affected watercourses in the barge landing facility, with the potential to support fisheries, will be sampled. All surveys will be conducted at appropriate times of the year to take advantage of any potential spring-spawning fish or migration of fish during spring freshet	Y	Provide information on fish sampling surveys for watercourses affected by the barge landing facility.	Y	Cumberland provided discussion	
Socioeconomics						
92	Southern point of hire will be identified	Y		Y		
93	Workforce requirements relative to regional human resource inventory will be incorporated into assessment of employment effects	N	Provide all background information related to human resources inventory work that was incorporated into the employment effects assessment, including any non-confidential results from the joint effort between Cumberland and the KIA.	Y	Cumberland provided clarification that the proposed human resources inventory is still being discussed as part of the IIBA agreement and once it is finalized (likely before April 2006) non-confidential details will be made public.	Section 3.2.1 SocioEconomic and Archaeology Impact Assessment
94	Migration effects will be re-examined	Y		Y		
95	The Nanisivik experience will be reviewed and referenced	N	Provide a comparison, at a minimum, of Baker Lake to the Nanisivik mine experience using available socioeconomic studies and professional judgement.	Y	Cumberland reviewed Brubacher and Associates report entitled "The Nanisivik legact in Arctic Bay" and provided discussion of comparision of Nanisivik to Meadowbank.	
96	To the extent possible, progress on the IIBA will be integrated into socioeconomic mitigation section	Y		Y		
97	Criteria for decommissioning the road and the approach to consultations on the road closure decision will be included in the FEIS	Y		Y		
98	Socioeconomic impact assessment will include recent project changes	Y		Y		
99	Potential effect of project on persons already employed in the Kivalliq region will be elaborated on	Y		Y		

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100	Clarification on treatment of youth as a VSEC will provided in the FEIS	Y		Y		
101	The FEIS will provide additional documentation on consultation results	Y		Y		
Air and Noise Quality						
102	Provide update on installations of two multiple particulate samplers to measure particulate concentrations at the project site	Y		Y		
103	Provide detailed reporting protocol for air quality monitoring and management program	Y		Y		
104	Address conceptually the potential for dust from tailings resulting from extreme wind	Y		Y		
105	Indicate commitment to performing at least 2 days of sound level monitoring per year	N	FEIS commits to two - 24 hour measurements during the first year of development and every second year thereafter. Discuss why the monitoring commitment has been reduced.	Y	Cumberland provided justification.	
106	Detail potential mitigation measures that may need to be implemented with regards to results from ambient disbursement noise monitoring at North Camp	Y		Y		
Additional Requests						
1	Provide topographic data on Northwest Arm of the Third Portage Lake	Y		Y		