

BRUCEJACK GOLD MINE PROJECT
Application for an Environmental Assessment Certificate /
Environmental Impact Statement

Appendix 3-G

Summary of Communications with Government Agencies

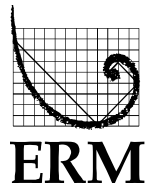


Table 3-G1. Summary of Communications with Provincial Government Agencies (until May 16, 2014)

Agency	Communication Date	Communication Method	Communication Subject	Communication Summary	Issues Raised*
British Columbia Environmental Assessment Office (BC EAO)					
	10/30/2012 2:30 PM	Meeting (Victoria)	Presentation of Draft Project Description to BC EAO.	Presentation of Draft Project Description to BC EAO in Victoria.	N/A
	12/20/2012 3:47 PM	Email	Brucejack Project Description	Pretivm provided the Brucejack Project Description to BC EAO.	N/A
	1/28/2013 11:46 AM	Email	Brucejack Project Description	Pretivm provided BC EAO with a revised Project Description, addressing the comments raised by BC EAO in a January 10, 2013 email.	N/A
	2/6/2013 11:28 AM	Email	Brucejack Section 10 Order	Letter from BC Environmental Assessment Office issuing the Section 10 Order for the Brucejack Gold Mine Project.	N/A
	2/25/2013 4:36 PM	Email	Brucejack Transportation Supplement	Pretivm provided a memo describing additional information on Brucejack-related transportation to EAO and CEA Agency. The memo presents information on the additional Project components not included in the Project Description as well as expected traffic routes, volumes, and vehicle type for the Project. Additional assessment of material and personnel transportation logistics for the Project is on-going and may result in changes to the information provided below.	N/A
	2/28/2013 10:00 AM	Phone	Project/EA Update Meeting	Project/EA update meeting with BC EAO and CEA Agency.	N/A
	3/1/2013 4:03 PM	Email	Brucejack Gold Mine Project - Transportation Supplement	Pretivm submitted a revised transportation supplement to correct text mistake in earlier version (Feb. 25, 2013 memo)- notably that the Newhawk airstrip will be located east of Knipple Lake (not west).	N/A
	4/5/2013 10:00 AM	Phone	Project/EA Update Meeting	Project/EA update meeting with BC EAO and CEA Agency.	N/A
	4/23/2013 4:57 PM	Email	Brucejack Gold Mine Project - Valued Component Scoping	Pretivm provided BC EAO and CEA Agency with results of a Valued Component (VC) scoping exercise completed for the Brucejack Gold Mine Project.	N/A
	5/31/2013 10:00 AM	Phone	Project/EA Update Meeting	Project/EA update meeting with BC EAO and CEA Agency.	N/A

Table 3-G1. Summary of Communications with Provincial Government Agencies (until May 16, 2014)

Agency	Communication Date	Communication Method	Communication Subject	Communication Summary	Issues Raised*
British Columbia Environmental Assessment Office (BC EAO) (<i>cont'd</i>)					
	6/12/2013 1:31 PM	Email	Baseline Reports for Working Group	Pretivm provided BC EAO and CEA Agency with a set of baseline reports, via access information to Pretivm's FTP site.	N/A
	6/12/2013 1:31 PM	Email	Baseline Reports for Working Group	Pretivm provided CEA Agency and BC EAO with a set of baseline reports for distribution to the Brucejack Working Group. Access instructions were provided.	N/A
	7/4/2013 11:07 AM	Email	Section 11 Order	BC EAO provided Pretivm with a letter and a copy of the Section 11 Order for the Brucejack Project.	N/A
	7/12/2013 2:46 PM	Email	Brucejack dAIR (C.1)	Pretivm provided BC EAO with a revised version of the Brucejack dAIR that addressed BC EAO's comments and questions.	N/A
	8/13/2013 10:17 AM	Email	Brucejack Commitment Tracking Table	BC EAO provided Pretivm and Pretivm with seven comments relating to the dAIR, from the Ministry of Transportation and Infrastructure (BC MOTI).	N/A
	8/16/2013 9:00 AM	Meeting (Vancouver)	Water Modelling Update Meeting	Pretivm provided a presentation on the Project overview, hydrology and the water balance, the groundwater model, and water quality and geochemistry. Pretivm responded to questions and requests for additional information. CEA Agency, BC MEMNG, BC MOE, and EC also in attendance.	N/A
	8/16/2013 4:37 PM	Email	Baseline Report Uploaded to FTP	Pretivm provided BC EAO and CEA Agency with three baseline reports.	N/A
	8/28/2013 11:00 AM	Phone	VC Pathway Approach	Meeting to discuss the VC pathway approach for the EA. CEA Agency also in attendance.	N/A
	9/3/2013 12:22 PM	Email	Brucejack Project Aboriginal Consultation Plan	Pretivm submitted an Aboriginal Consultation Plan to BC EAO to satisfy sections 14.1 and 16.1 of the Section 11 Order. The Plan incorporates revisions based on Skii km Lax Ha comments on the draft Plan. NLG notified Pretivm (August 30, 2013) that it had no substantive comments on the draft plan provided for their review. Pretivm expects comments from THREAT later in the week.	N/A
	9/3/2013 12:37 PM	Email	Brucejack Project Public Consultation Plan	Pretivm submitted a Public Consultation Plan to BC EAO to satisfy section 18.1 of the Section 11 Order.	N/A

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Agency	Communication Date	Communication Method	Communication Subject	Communication Summary	Issues Raised*
British Columbia Environmental Assessment Office (BC EAO) (<i>cont'd</i>)					
	9/10/2013 12:44 PM	Email	Brucejack Sept 4 Meeting	BC EAO provided Pretivm with additional comments from BC MOTI in follow-up to September 4, 2013 meeting.	N/A
	9/27/2013 3:51 PM	Email	Brucejack DAIR- E1 Version	Pretivm provided the E.1 version of the dAIR in PDF and Word to BC EAO and CEA Agency. The new version addressed the majority of the Working Group comments. The comment table would be provided the following week.	N/A
	11/5/2013 12:27 PM	Email	Brucejack Socio-Economics Baseline Report	Rescan provided the BC EAO and CEA Agency with the Brucejack Socio-economic Baseline Report, and requested that it be made available to the Working Group and Federal Review team.	N/A
	12/16/2013 2:00 PM	Meeting (Vancouver)	Brucejack Gold Mine Project EIS Guidelines VC "Crosswalk" Meeting	Meeting between Pretivm, BC EAO, and CEA Agency. Topics covered included VC crosswalk table; predictive studies and VCs; other federal-only requirements; likelihood; cumulative effects; and closing remarks.	N/A
	12/20/2013 10:22 AM	Email	Brucejack - Aboriginal Consultation Report distribute for review	Pretivm provided BC EAO with a copy of the draft Interim Pre-Application Aboriginal Consultation Report. Pretivm informed BC EAO that the draft had also been provided to Aboriginal groups and comments will be integrated into a new version of the report which would be provided to BC EAO.	N/A
	1/13/2014 9:30 AM	Meeting (Online)	Brucejack EA Baseline Water Quality and Aquatics Characterization and Pre-Permitting Meeting	Water quality and aquatics meeting covering a Project Overview of Operations, Baseline Water Quality, Baseline Aquatic Resources, and EMA Authorizations.	N/A
	2/7/2014 10:00 AM	Meeting (Smithers/ Webex)	EMA Pre-Permitting Meeting	Meeting to discuss reference lake/creek rationale and monitoring, baseline data requirements, exploration sewage treatment plant, operations STP discharge requirements and regulatory approach, and next steps. BC MOE and BC MEMNG also in attendance.	N/A
	2/14/2014 4:00 PM	Email	Brucejack Interim Aboriginal Consultation Report	Pretivm provided the BC EAO with the final Interim Pre-Application Aboriginal Consultation Report. The report had been revised following receipt of comments from Skii km Lax Ha and Nisga'a Nation. Tahltan Nation did not provide comments.	N/A

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Agency	Communication Date	Communication Method	Communication Subject	Communication Summary	Issues Raised*
British Columbia Environmental Assessment Office (BC EAO) (<i>cont'd</i>)					
	2/26/2014 2:03 PM	Email	Highway 37/37A Advisory Group	Pretivm provided a letter confirming its continued involvement in the Highway 37/37A advisory group.	N/A
	3/19/2014 11:28 AM	Email	Brucejack Interim Consultation Reports	Pretivm provided the final version of the Interim Pre-Application Public Consultation Report and the Interim Pre-Application Aboriginal Consultation Report, which were revised as per BC EAO's comments.	N/A
Ministry of Aboriginal Relations and Reconciliation (BC MARR)					
	8/22/2012 9:00 AM	Site Tour	Site Tour- GCO, Skeena Fisheries, MARR, SKLH	Pretivm provided a site tour for members of the GCO, Skeena Fisheries Commission, and BC MARR. Helicopter left from New Hazelton, travelled along Hwy 37 then along the access road to the Project site (arrived 10am). Toured the site including the core shack and departed at noon. Also discussed development plans and potential to use Gitxsan Development Corporation. Skii km Lax Ha representatives working at the exploration camp also participated in the tour.	N/A
Ministry of Energy, Mines and Natural Gas (BC MEMNG)					
	1/23/2013 10:00 AM	Meeting (Victoria)	Brucejack Conceptual Waste Rock and Tailings Management and ML/ARD Characterization Program	Meeting to discuss the Brucejack Conceptual Waste Rock and Tailings Management and ML/ARD Characterization Program.	• Project Closure- Preference for complete submergence of underground closure conditions.
	4/11/2013 10:30 AM	Meeting (Smithers)	Brucejack Water Related Topics	Meeting with BC MOE and BC MEMNG and Project to discuss water-related topics.	N/A
	8/16/2013 9:00 AM	Meeting (Vancouver)	Water Modelling Update Meeting	Pretivm provided a presentation on the Project overview, hydrology and the water balance, the groundwater model, and water quality and geochemistry. Pretivm responded to questions and requests for additional information. BC EAO, CEA Agency, BC MOE, and EC also in attendance.	N/A
	11/14/2013 10:00 AM	Meeting (Victoria/ Smithers/ Online)	Brucejack Mines Act permitting approach	Meeting between Pretivm and BC MEMNG to discuss the Mines Act permitting approach to the Brucejack Gold Mine Project.	N/A

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Agency	Communication Date	Communication Method	Communication Subject	Communication Summary	Issues Raised*
Ministry of Energy, Mines and Natural Gas (BC MEMNG) (<i>cont'd</i>)					
	11/19/2013 11:32 AM	Email	Proposed Brucejack powerline - overlap with Ascot mineral resource	BC MEMNG contacted Pretivm to assist in coordination of discussion between Pretivm and Ascot Resources, regarding a potential conflict with the proposed power line overlapping identified mineral resources owned by Ascot.	N/A
	11/20/2013 9:00 AM	Meeting (Smithers/ Online)	Brucejack Pre-MRC (introductory) meeting	Meeting with BC MEMNG and BC MFLNRO to discuss permitting. BC MEMNG prefers that the Brucejack Mines Act Permit be submitted as a full permit application, and not phased.	N/A
	12/17/2013 8:30 AM	Meeting (Vancouver)	Brucejack Mines Act Permitting Engineering Information	Meeting with BC MEMNG to clarify engineering information requirements for permit application.	N/A
	1/13/2014 9:30 AM	Meeting (Online)	Brucejack EA Baseline Water Quality and Aquatics Characterization and Pre-Permitting Meeting	Water quality and aquatics meeting covering operations, baseline water quality, baseline aquatic resources, and EMA authorizations.	N/A
	2/7/2014 10:00 AM	Meeting (Smithers/ Webex)	EMA Pre-Permitting Meeting	Meeting to discuss reference lake/creek rationale and monitoring, baseline data requirements, exploration sewage treatment plant, operations STP discharge requirements and regulatory approach, and next steps. BC EAO and BC MOE also in attendance.	N/A
Ministry of Environment (BC MOE)					
	6/27/2012 12:20 PM	Email	Sampling Sediment Quality and Benthos in Braided Streams	Pretivm contacted BC MOE for advice on collecting sediment quality and benthos samples in a braided stream system.	N/A
	6/29/2012 10:52 AM	Email	Sampling Sediment Quality and Benthos in Braided Streams	BC MOE responded with some initial thoughts as to Pretivm's request for guidance on need for sampling non-fish bearing lakes.	N/A
	7/11/2012 5:18 PM	Email	Sampling Non-Fish Bearing Lakes	Pretivm requested advice on whether sampling was needed for non-fish-bearing lakes and would call if easier.	N/A
	7/19/2012 8:58 AM	Email	Sampling Non-fish Bearing Lakes	BC MOE replied to Pretivm's earlier email stating that baseline sampling should be conducted for non-fish bearing lakes.	<ul style="list-style-type: none"> • Water Quality- Conduct baseline sampling for non fish-bearing lakes.
	2/8/2013 9:00 AM	Phone	Conceptual Air Quality Model Plan Meeting	Pretivm met with BC MOE (by phone) to discuss the Conceptual Air Quality Model Plan.	N/A

Table 3-G1. Summary of Communications with Provincial Government Agencies (until May 16, 2014)

Agency	Communication Date	Communication Method	Communication Subject	Communication Summary	Issues Raised*
Ministry of Environment (BC MOE) (<i>cont'd</i>)					
	4/11/2013 10:30 AM	Meeting (Smithers)	Meeting-Brucejack Water Related Topics	Meeting with BC MOE and BC MEMNG and Project Team to discuss water-related topics	<ul style="list-style-type: none"> • Tailings Management- Description of sediment dispersal events from the tailings deposition mound during operations; and • Hydrogeology- Results for the mine site area to be highlighted in reporting on model calibration results.
	4/11/2013 3:45 PM	Meeting (Smithers)	Brucejack Aquatics and Fish Baseline Programs	Meeting with BC MOE. Pretivm provided an overview of the Project, a presentation on the Fish and Fish Habitat Baseline Program, and a presentation on the Aquatics Baseline Program.	N/A
	4/12/2013 8:30 AM	Meeting (Smithers)	Brucejack Terrestrial Ecosystems and Wildlife Baseline	Pretivm provided presentations to BC MOE on the Project, the Terrestrial Ecosystem Baseline Program, and the Wildlife Baseline Program.	N/A
	5/16/2013 1:31 PM	Email	Reference Site for Brucejack Lake/Creek	Pretivm provided participants of the April 11, 2013 fish meeting with a list of potential reference sites, a Google Earth file containing Pretivm's current options, and an Excel spreadsheet listing site details and issues. Pretivm asked for a meeting time to discuss the sites.	N/A
	5/17/2013 2:21 PM	Email	Brucejack Gold Mine Project Ambient Air Quality Background Concentrations	Pretivm provided BC MOE and HC with a memorandum regarding Brucejack Gold Mine ambient air quality background concentrations, and asked for confirmation that the appropriate approach is being taken.	N/A
	6/4/2013 5:05 PM	Email	Reference Site for Brucejack Lake/Creek	Pretivm followed up with BC MOE regarding potential reference sites for Brucejack Lake and Brucejack Creek.	N/A
	6/7/2013 12:00 PM	Phone	Reference Lake for Brucejack	BC MOE representative phoned to state favored reference site (Divide Lake- 09V 439293 6225913) from list previously provided.	N/A
	6/7/2013 12:25 PM	Email	Reference Site for Brucejack Lake/Creek	BC MOE provided Pretivm with recommendation for reference lake.	<ul style="list-style-type: none"> • Water Quality- Consider using Divide Lake as a reference lake.
	6/7/2013 12:41 PM	Email	Reference Site for Brucejack Lake/Creek	Pretivm confirmed their plan to explore Divide Lake as a reference option for aquatics research.	N/A

Table 3-G1. Summary of Communications with Provincial Government Agencies (until May 16, 2014)

Agency	Communication Date	Communication Method	Communication Subject	Communication Summary	Issues Raised*
Ministry of Environment (BC MOE) (<i>cont'd</i>)					
	6/26/2013 4:25 PM	Email	Brucejack Gold Mine Project Ambient Air Quality Background Concentrations	Pretivm provided BC MOE with a memo regarding ambient background concentrations, and asked for confirmation of content detailed in memo.	N/A
	7/3/2013 9:04 AM	Email	Brucejack Gold Mine Project Ambient Air Quality Background Concentrations	BC MOE approved proposed baseline concentrations detailed in the Pretivm Ambient Air Quality Background Concentrations memo.	N/A
	7/15/2013 12:00 AM	Site Tour	Site Hydrology	BC MOE joined the Pretivm hydrology team (and incidentally the Water Quality team) for a 3.5-day, regularly scheduled site-installation and hydrometric monitoring around camp. BC MOE observed the local hydrology, the network maintained by Pretivm for monitoring, and the general site location.	N/A
	7/24/2013 4:00 PM	Meeting (Vancouver)	Brucejack Hydrology and Water Balance Model Discussion	Hydrology and water balance model discussion with BC MOE.	<ul style="list-style-type: none"> • Hydrology- Vary temperature input as sensitivity and provide discussion on how temperature and snowmelt are considered in the model; • Hydrology- Request for documentation of scaling of Unuk River data due to orographic effects; • Hydrology- Include input from the East Lake catchment for a one month period - suggests May and June; • Hydrology- Present sensitivity results such that it is apparent which parameters the model is most sensitive to; • Hydrology- Whether snow melt model is based on a temperature index or a monthly distribution;

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Agency	Communication Date	Communication Method	Communication Subject	Communication Summary	Issues Raised*
Ministry of Environment (BC MOE) <i>(cont'd)</i>	7/24/2013 4:00 PM <i>(cont'd)</i>	Meeting (Vancouver) <i>(cont'd)</i>	Brucejack Hydrology and Water Balance Model Discussion <i>(cont'd)</i>		<ul style="list-style-type: none"> Hydrology- Report should clearly present any methods used to develop input parameters for the model; Hydrology- For each sensitivity analysis, provide discussion and/or plots on the expected change in flows relative to the base case; Hydrology- Consider how the 100-year wet and dry datasets compare to the downscaled climate models as a check and include a qualitative discussion on the influence of climate change on stream; Hydrology- Consider relocating current snow course near the BJP met station to a site further west and further into the available trees; and Hydrology- Request documentation on how upper and lower bound are selected.
	8/7/2013 8:00 AM	Site Tour	Brucejack Site Tour-BC MOE-Pretivm	Site tour of water quality and aquatics sites and field work conducted with BC MOE. BC MOE visited all sites along Brucejack Creek (from BJ U/S to BJ3) in addition to sites along Camp Creek. BC MOE toured the water quality treatment plant and the Procon area (communications with the water quality treatment operator, initiated by PW). BC MOE collected water quality samples from several sites along Brucejack Creek. BC MOE independently visited the VOK area by foot.	<ul style="list-style-type: none"> Water Treatment- Concern about sludge generated by the waste water treatment plant.
	8/14/2013 2:07 PM	Email	Brucejack Air Quality Dispersion Model Plan	Pretivm provided BC MOE with the Brucejack Air Quality Dispersion Model Plan, as well as the most current meteorology and air quality baseline reports.	N/A

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Agency	Communication Date	Communication Method	Communication Subject	Communication Summary	Issues Raised*
Ministry of Environment (BC MOE) (<i>cont'd</i>)					
	8/16/2013 9:00 AM	Meeting (Vancouver)	Water Modelling Update Meeting	Pretivm provided a presentation on the Project overview, hydrology and the water balance, the groundwater model, and water quality and geochemistry. Pretivm responded to questions and requests for additional information. BC EAO, CEA Agency, BC MEMNG, and EC also in attendance.	N/A
	8/23/2013 11:37 AM	Email	Brucejack Air Quality Dispersion Model Plan	Pretivm provided BC MOE with Brucejack conceptual model plan, as well as meeting minutes of previous discussion with BC MOE and a memo on ambient background concentration that Pretivm had previously forwarded to BC MOE and HC.	N/A
	9/9/2013 10:53 AM	Email	Comments on the Brucejack Gold Mine Conceptual Model Plan	BC MOE provided Pretivm with comments on the conceptual model plan. In general the plan follows the "Guidelines for Air Quality Dispersion Modelling in British Columbia." When developing the Detailed Model Plan, BC MOE had some comments related to meteorological data for CALMET; CALMET grid spacing; background concentrations; emission sources and sensitive receptors; and cumulative effects.	N/A
	9/9/2013 3:30 PM	Email	Comments on the Brucejack Gold Mine Conceptual Model Plan	As requested, Pretivm provided BC MOE with questions regarding the Brucejack Project conceptual model plan.	N/A
	9/11/2013 10:48 PM	Email	Comments on the Brucejack Gold Mine Conceptual Model Plan	BC MOE provided Pretivm with comments on the Brucejack Conceptual Model Plan. BC MOE noted that they were fine with a single model plan so long as Pretivm addressed previous comments and several more, included in the email.	N/A
	9/12/2013 10:54 AM	Email	Comments on the Brucejack Gold Mine Conceptual Model Plan	BC MOE confirmed that a cumulative dispersion model would not be required for the Project.	N/A

Table 3-G1. Summary of Communications with Provincial Government Agencies (until May 16, 2014)

Agency	Communication Date	Communication Method	Communication Subject	Communication Summary	Issues Raised*
Ministry of Environment (BC MOE) (<i>cont'd</i>)					
	9/18/2013 3:59 PM	Email	Comments on the Brucejack Gold Mine Conceptual Model Plan	BC MOE inquired about the possibility of comparing model-predicted concentrations with observed concentrations at ambient monitoring site close to Project site. BC MOE confirmed that CALMET should be run in 250-m resolution to find out whether CALMET wind fields are much different than Pretivm's current 500-m results, and to determine if using 250-m resolution would make much difference in predicted concentrations.	N/A
	9/20/2013 9:58 AM	Email	Comments on the Brucejack Gold Mine Conceptual Model Plan	Pretivm informed BC MOE that no ambient monitoring stations are in the Project area, and provided details on attempted CALMET tests.	N/A
	11/26/2013 6:48 AM	Email	Brucejack Gold Mine Project - MOE comments on draft model plan	Pretivm contacted BC MOE for clarity on two matters related to the draft air dispersion model plan. Pretivm provided two responses to BC MOE's requests and requested confirmation whether these were adequate.	N/A
	12/3/2013 10:21 AM	Email	Brucejack Gold Mine Project - MOE comments on draft model plan	BC MOE responded with comments to Pretivm's email asking for clarification on questions about draft air dispersion model plan.	N/A
	12/23/2013 1:15 PM	Email	Brucejack Gold Mine Project - MOE comments on draft model plan	Pretivm asked BC MOE whether the mining area is sufficient to represent the mill area in the draft air dispersion model plan.	N/A
	1/6/2014 11:48 AM	Email	Brucejack Gold Mine Project - MOE comments on draft model plan	BC MOE replied to Pretivm's question about definition of "facility" for draft air dispersion model plan and confirmed that the mining area was sufficient.	N/A

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Agency	Communication Date	Communication Method	Communication Subject	Communication Summary	Issues Raised*
Ministry of Environment (BC MOE) (<i>cont'd</i>)					
	1/13/2014 9:30 AM	Meeting (Online)	Brucejack EA Baseline Water Quality and Aquatics Characterization and Pre-Permitting Meeting	Water quality and aquatics meeting covering a Project overview of operations, baseline water quality, baseline aquatic resources, and EMA authorizations.	<ul style="list-style-type: none"> • Water Quality- Continue sampling VOK Creek to monitor effects of surface exploration activity in the watershed; • Water Quality- Evaluation of the proposed dilution calculation approach; • Water Quality- Effects of potentially elevated nutrients within the reach between the two sites: BJ2 and BJ200 m DS; • Water Quality- Present Brucejack Lake data in the Application/EIS; and • Water Quality- Potential concern using 2013 benthic invertebrate data to characterize baseline conditions in light of high primary productivity that year as a result of exploration activities.
	2/7/2014 10:00 AM	Meeting (Smithers/ Webex)	EMA Pre-Permitting Meeting	Meeting to discuss reference lake/creek rationale and monitoring, baseline data requirements, exploration sewage treatment plant, operations STP discharge requirements and regulatory approach, and next steps. BC EAO and BC MEMNG also in attendance.	N/A
	2/26/2014 2:45 PM	Email	Brucejack Gold Mine Project - Conceptual Model Plan	Pretivm informed BC MOE that the conceptual model plan had been updated based on BC MOE's previous comments. Pretivm provided a revised copy of the conceptual model plan.	N/A
	3/7/2014 3:47 PM	Email	Brucejack Gold Mine Project - Conceptual Model Plan	Pretivm informed BC MOE of design updates to the Brucejack Gold Mine Project that had not yet been included in the model plan. Updates included changes to the design of the truck shop, rearrangement of buildings in the Project plant boundary, and changes to inclusion of Tide Staging Area source in the assessment.	N/A

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Agency	Communication Date	Communication Method	Communication Subject	Communication Summary	Issues Raised*
Ministry of Environment (BC MOE) (<i>cont'd</i>)					
	3/17/2014 4:27 PM	Email	Brucejack Gold Mine Project - Conceptual Model Plan	BC MOE replied to Pretivm's updates to the Model Plan document, and notified Pretivm that the information provided is satisfactory and the Modelling Plan is accepted.	N/A
Ministry of Forests, Lands and Natural Resource Operations (BC MFLNRO)					
	7/2/2013 11:41 AM	Email	Brucejack Gold Mine Project - non-fish-bearing status of Sulphurets Creek and Brucejack Lake	Pretivm provided a memo to EC, DFO, and BC MFLNRO summarizing fish studies conducted in Sulphurets Creek and Brucejack Lake, which are considered non-fish bearing and would not require a Schedule II amendment to the MMER for deposition of tailings and waste rock.	N/A
	7/2/2013 2:25 PM	Email	Brucejack Gold Mine Project - non-fish-bearing status of Sulphurets Creek and Brucejack Lake	BC MFLNRO confirmed agreement that Pretivm's sampling meets or exceeds provincial requirements to demonstrate the non-fish bearing status of Brucejack Lake, and all other waterbodies upstream of the cascade on Sulphurets Creek.	N/A
	11/20/2013 9:00 AM	Meeting (Smithers/ Online)	Brucejack Pre-MRC (introductory) meeting	Meeting with BC MEMNG and BC MFLNRO to discuss permitting.	N/A
Ministry of Transportation and Infrastructure (BC MOTI)					
	9/12/2013 8:04 PM	Email	Brucejack Sept 4 Meeting	Pretivm contacted BC MOTI to request further details regarding the Traffic Impact Study. Pretivm asked BC MOTI to confirm the study is related to detailed permitting for the Project, as opposed to a requirement of the application for an Environmental Assessment Certificate.	N/A
	9/16/2013 6:55 AM	Email	Brucejack Sept 4 Meeting	BC MOTI responded to Pretivm and confirmed that Traffic Impact Study is related to detailed permitting for the Brucejack Project, but would like commitment that Traffic Impact Study will be done.	N/A

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Agency	Communication Date	Communication Method	Communication Subject	Communication Summary	Issues Raised*
BC EAO Working Group	9/4/2013 8:30 AM	Meeting (Smithers)	September 4, 2013- Working Group Meeting	The first Working Group meeting was held in Smithers. The goals of the meeting were to build a common understanding of the EA process and the role of the Working Group; provide an overview of the proposed Brucejack Gold Mine Project, the selected VCs and the draft AIR; to provide an overview of the Proponent’s baseline study results; to determine how Working Group members would like to be engaged on technical project issues, and whether technical sub-Working Groups would be beneficial.	<ul style="list-style-type: none"> • Water Quality- Add Knipple Creek to baseline water quality program (related to concerns related to glacial melt and potential sedimentation) (NLG); • Hydrology- Potential impacts on the Knipple Glacier and the watershed due to glacial melt and vehicle traffic (NLG); • Aboriginal- Any impact to traditional foods (e.g. fish harvesting- present and future) is an impact to treaty rights regardless of consumption (NLG); • Fish- A water quality incident could affect Sockeye Salmon in Bowser Lake (NLG); • Project Roads- Brucejack Access Road should be included within the scope of the EA (NLG, TCC); • Wildlife- Cumulative impacts to moose, especially as a result of the access road (TCC, NLG); • Cumulative Effects- Would like to be involved in the design of the cumulative effects study (TCC); • Project Roads- Comparative analysis of impacts of building a new access road and upgrading the existing exploration road, including effects to moose (TCC);

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Agency	Communication Date	Communication Method	Communication Subject	Communication Summary	Issues Raised*
BC EAO Working Group	<i>(cont'd)</i>				
	9/4/2013 8:30 AM <i>(cont'd)</i>	Meeting (Smithers) <i>(cont'd)</i>	September 4, 2013- Working Group Meeting <i>(cont'd)</i>		<ul style="list-style-type: none"> EA Methodology- Difference between commercial and non-commercial land use as it applies to First Nations traditional land use and where in EA would the latter be considered (SKLH); Human Health- Consider a food web study in Nass area to ensure impacts are captured (HC, NLG); EA Methodology- Where in Application will current use of lands and resources, including economic losses to Aboriginal groups, be captured (SKLH); and Infrastructure & Services- Indirect impacts that may affect provision of services by regional districts (RKDS).
	9/5/2013 12:00 AM	Site Tour	Brucejack September 5, 2013 Site Tour	Pretivm flew Working Group participants from Smithers to Bob Quinn and then helicoptered participants into the Project site. Participants toured the property including the core shack.	N/A
	5/8/2014 9:00 AM - 3:30 PM	Meeting (Vancouver)	May 8, 2014- Working Group Meeting	The second Working Group meeting was held in Vancouver to discuss water quality and water modelling update. Specific discussion items included hydrogeology, hydrology, water quality-hydrodynamic modelling and GoldSim modelling, and the preliminary effects assessment.	<ul style="list-style-type: none"> Water Quality- Consideration of historic data in geochemistry source term development for waste rock (MOE); Water Quality- Characterization of sludge and sludge management plan (MEMNG); Project Design- Provide operational details on the tailings deposition system (MOE); and Water Quality- Demonstrate achievability of zinc treatment (MEMNG).

*NOTE: Responses to these issues are included in the issues tracking table in Appendix 3-H. The exception is the non-government issues raised at the Working Group meeting on September 4, 2013. Aboriginal issues tracking tables are included in Appendix 3-E.

Table 3-G2. Summary of Communications with Federal Government Agencies (until May 16, 2014)

Agency	Communication Date	Communication Method	Communication Subject	Communication Summary	Issues Raised*
Canadian Environmental Assessment Agency (CEA Agency)					
	1/28/2013 12:29 PM	Email	Brucejack Gold Mine Project Description	Pretivm notified CEA Agency of its submission of the Brucejack Project Description in both English and French.	N/A
	2/6/2013 11:28 AM	Email	Brucejack Section 10 Order	Letter from BC Environmental Assessment Office issuing the Section 10 Order for the Brucejack Gold Mine Project.	N/A
	2/25/2013 4:36 PM	Email	Brucejack Transportation Supplement	Pretivm provided a memo describing additional information on Brucejack-related transportation to BC EAO and CEA Agency. The memo presents information on the additional Project components not included in the Project Description as well as expected traffic routes, volumes, and vehicle type for the Project.	N/A
	2/28/2013 10:00 AM	Phone	Project/EA Update Meeting	Project/EA update meeting with BC EAO and CEA Agency.	N/A
	3/1/2013 4:03 PM	Email	Brucejack Gold Mine Project - Transportation Supplement	Pretivm submitted a revised transportation supplement to correct text mistake in earlier version (Feb. 25, 2013 memo)- notably that the Newhawk airstrip will be located east of Knipple Lake (not west).	N/A
	4/5/2013 10:00 AM	Phone	Project/EA Update Meeting	Project/EA update meeting with BC EAO and CEA Agency .	N/A
	4/18/2013 9:00 AM	Meeting (Vancouver)	Federal Team Meeting	A meeting between Pretivm and federal regulators about the Brucejack Gold Mine Project and EIS Guidelines. CEA Agency gave a presentation on <i>CEAA 2012</i> .	N/A
	4/23/2013 4:57 PM	Email	Brucejack Gold Mine Project - Valued Component Scoping	Pretivm provided BC EAO and CEA Agency with results of a Valued Component (VC) scoping exercise.	N/A
	4/25/2013 3:04 PM	Email	Brucejack Gold Mine Project - comments on the Draft EIS Guidelines	Pretivm provided their comments regarding the Draft EIS guidelines for the Brucejack Gold Mine Project.	N/A
	5/24/2013 1:35 PM	Email	Issuance of the Final Brucejack EIS Guidelines	CEA Agency provided a letter to Pretivm issuing the final EIS Guidelines for the Brucejack Gold Mine Project. CEA Agency notified Pretivm of timelines for review of the environmental assessment and submission of the EIS.	N/A
	5/31/2013 10:00 AM	Phone	Project/EA Update Meeting	Project/EA update meeting with BC EAO and CEA Agency.	N/A

Table 3-G2. Summary of Communications with Federal Government Agencies (until May 16, 2014)

Agency	Communication Date	Communication Method	Communication Subject	Communication Summary	Issues Raised*
Canadian Environmental Assessment Agency (CEA Agency) (<i>cont'd</i>)					
	6/12/2013 1:31 PM	Email	Brucejack baseline reports for distribution to Working Group	Pretivm provided CEA Agency and BC EAO with a set of baseline reports for distribution to the Brucejack Working Group.	N/A
	8/6/2013 11:00 AM	Meeting (Vancouver)	Navigable Waters Protection Act and Transportation of Dangerous Goods Act	The meeting was scheduled to discuss applicability of the Navigable Waters Protection Act to the Project and related EIS requirements. TC raised other potential EIS requirements related to TC interests, such as the Transportation of Dangerous Goods Act.	N/A
	8/16/2013 9:00 AM	Meeting (Vancouver)	Water Modelling Update Meeting	Pretivm provided a presentation on the Project overview, hydrology and the water balance, the groundwater model, and water quality and geochemistry. Pretivm responded to questions and requests for additional information. BC EAO, BC MOE, BC MEMNG, and EC also in attendance.	N/A
	8/16/2013 4:37 PM	Email	Baseline Report Uploaded to FTP	Pretivm provided EAO and CEA Agency with three baseline reports.	N/A
	8/28/2013 11:00 AM	Phone	VC Pathway Approach	Meeting to discuss the VC pathway approach for the EA. BC EAO also in attendance.	N/A
	11/5/2013 12:27 PM	Email	Socio-Economics Baseline Report	Pretivm provided the BC EAO and CEA Agency with the Brucejack Socio-economic Baseline Report, and requested that it be made available to the Working Group and Federal Review team.	N/A
	12/16/2013 2:00 PM	Meeting (Vancouver)	EIS Guidelines VC "Crosswalk" Meeting	Meeting with CEA Agency to discuss VC crosswalk table; predictive studies and VCs; other federal-only requirements; likelihood; and cumulative effects.	N/A
	2/28/2014 4:25 PM	Email	Highway 37/37A Advisory Group	Pretivm provided a letter confirming its continued involvement in the Highway 37/37A advisory group.	N/A
Environment Canada (EC)					
	10/10/2012 8:00 AM	Phone	Application of MMER	Pretivm inquired about the requirement for a Schedule II amendment to MMER in a non-fish bearing lake to be used as a tailings impoundment area. EC noted that a Schedule II amendment would not be required if it was proven that the lake was non-fish bearing.	N/A

Table 3-G2. Summary of Communications with Federal Government Agencies (until May 16, 2014)

Agency	Communication Date	Communication Method	Communication Subject	Communication Summary	Issues Raised*
Environment Canada (EC) (<i>cont'd</i>)					
	10/27/2012 8:00 AM	Phone	EC Role in Brucejack EA	Discussion of the need for a potential Schedule II Amendment following (pending) confirmation on the fish-bearing status of Brucejack Lake. EC suggested Pretivm distribute a technical memo on fish studies to EC, DFO, and MOE. If the Project is exempt from the International Rivers Improvement Act (IRIA) then EC will not be the regulatory authority on the Project. EC will defer to MOE to provide expert advice on the air quality modeling.	N/A
	4/12/2013 8:30 AM	Meeting (Smithers)	Terrestrial Ecosystems and Wildlife Baseline	Pretivm provided presentations to EC and BC MOE on the Project overview, the terrestrial ecosystem baseline program, and the wildlife baseline program.	N/A
	4/18/2013 9:00 AM	Meeting (Vancouver)	Federal Team Meeting	A meeting between Pretivm and federal regulators about the Brucejack Gold Mine Project and EIS Guidelines. CEA Agency gave a presentation on <i>CEAA 2012</i> .	N/A
	5/8/2013 10:00 AM	Meeting	MMER Discussions	Meeting with EC. Discussion items included: <ul style="list-style-type: none"> • Presentation on the Project including ownership and permitting history, layout, waste rock and tailings management, past and present reclamation activities, environmental setting with focus on application of the MMER. • Pretivm notified that they are seeking a Schedule II amendment to MMER. • Discussed application of the MMER with respect to discharge criteria and monitoring requirements during project operations and post-closure. 	<ul style="list-style-type: none"> • Hydrology- Importance of investigating the hydrological regime of the Brucejack Lake system, with climate change and glacial melt in mind; and • Hydrology- Consider clean water diversions for creeks flowing into Brucejack Lake.
	5/14/2013 7:20 AM	Email	Brucejack Lake - Confirmation of Non-Fish Bearing Status	Pretivm requested that EC provide guidance on DFO's email confirming that a Schedule II amendment is not necessary for the Brucejack Project.	N/A
	6/5/2013 4:08 PM	Email	Ambient Air Quality Background Concentrations	Pretivm contacted EC to gain confirmation that the approach to characterizing baseline conditions is reasonable.	N/A

Table 3-G2. Summary of Communications with Federal Government Agencies (until May 16, 2014)

Agency	Communication Date	Communication Method	Communication Subject	Communication Summary	Issues Raised*
Environment Canada (EC) (<i>cont'd</i>)					
	7/2/2013 11:41 AM	Email	Brucejack Gold Mine Project - Non-Fish-Bearing status of Sulphurets Creek and Brucejack Lake	Pretivm provided a memo to EC, DFO, and BC MFLNRO summarizing fish studies conducted in Sulphurets Creek and Brucejack Lake, which are considered non-fish bearing and would not require a Schedule II amendment to the MMER for deposition of tailings and waste rock.	N/A
	8/6/2013 9:20 PM	Email	Brucejack Lake - International Rivers Boundary Improvement Act update	Pretivm inquired whether EC had updates about the applicability of the IRIA to the Brucejack Gold Mine Project, noting that EC had previously mentioned it would likely not apply.	N/A
	8/16/2013 9:00 AM	Meeting (Vancouver)	Water Modelling Update Meeting	Pretivm provided a presentation on the Project overview, hydrology and the water balance, the groundwater model, and water quality and geochemistry. Pretivm responded to questions and requests for additional information. BC EAO, CEA Agency, BC MEMNG, and BC MOE also in attendance.	N/A
Fisheries and Oceans Canada (DFO)					
	5/10/2013 12:11 PM	Email	Brucejack Lake - Confirmation of Non-Fish Bearing Status	Pretivm provided DFO with background regarding the MMER application, and asked what information would be required for DFO to confirm the status of Brucejack Lake as non-fish bearing, and to whom at DFO this issue should be communicated.	N/A
	7/2/2013 11:41 AM	Email	Brucejack Gold Mine Project - Non-Fish-Bearing status of Sulphurets Creek and Brucejack Lake	Pretivm provided a memo to EC, DFO, and BC MFLNRO summarizing fish studies conducted in Sulphurets Creek and Brucejack Lake, which are considered non-fish bearing and would not require a Schedule II amendment to the MMER for deposition of tailings and waste rock.	N/A
	7/2/2013 12:38 PM	Email	Brucejack Gold Mine Project - Non-Fish-Bearing status of Sulphurets Creek and Brucejack Lake	DFO confirmed agreement with information provided in Pretivm's memo that concluded that Brucejack Lake and Sulphurets Creek are non-fish bearing for the purposes of interpreting purposes of interpreting section 5(1)(b) of the MMER.	N/A

Table 3-G2. Summary of Communications with Federal Government Agencies (until May 16, 2014)

Agency	Communication Date	Communication Method	Communication Subject	Communication Summary	Issues Raised*
Health Canada (HC)					
	4/18/2013 9:00 AM	Meeting (Vancouver)	Federal Team Meeting	A meeting between Pretivm and federal regulators about the Brucejack Gold Mine Project and EIS Guidelines. CEA Agency gave a presentation on <i>CEAA 2012</i> .	N/A
	5/17/2013 2:21 PM	Email	Brucejack Gold Mine Project Ambient Air Quality Background Concentrations	Pretivm provided HC and the BC MOE with a memorandum regarding Brucejack Gold Mine ambient air quality background concentrations, and asked for confirmation that the appropriate approach is being taken.	N/A
	5/22/2013 1:26 PM	Email	Ambient Air Quality Background Concentrations	HC thanked Pretivm for providing the Brucejack air quality background memo. HC confirmed their expertise in air quality human health effects, and deferred to the expertise of MOE and EC for determining background air quality.	N/A
Natural Resources Canada (NRCan)					
	4/18/2013 9:00 AM	Meeting (Vancouver)	Federal Team Meeting	A meeting between Pretivm and federal regulators about the Brucejack Gold Mine Project and EIS Guidelines. CEA Agency gave a presentation on <i>CEAA 2012</i> .	N/A
Transport Canada (TC)					
	10/18/2011 10:28 PM	Email	Bell-Irving River & Wildfire Creek Bridges	TC provided some information on whether a separate federal EA review of the two proposed bridges would likely be required or not.	N/A
	10/24/2011 2:30 PM	Meeting (Vancouver)	Bridges Across Navigable Waters	Pretivm presentation to TC including showing a map of road alignment, and discussing work on road during summer 2011, sites for Wildfire and Bell-Irving bridge crossings, and general environmental conditions at site. TC requested an email explaining the rationale for the road and bridges.	N/A
	10/25/2011 3:15 PM	Email	Rationale for Brucejack Access Road	Pretivm thanked TC for the meeting the previous day and sent the rationale for the Brucejack Access Road, as requested in addition to three general arrangement maps of the road as attachments. The rationale covered: current project access; planned all-season access road; and planned all-season access road alignment.	N/A

Table 3-G2. Summary of Communications with Federal Government Agencies (until May 16, 2014)

Agency	Communication Date	Communication Method	Communication Subject	Communication Summary	Issues Raised*
Transport Canada (TC) (cont'd)					
	4/18/2013 9:00 AM	Meeting (Vancouver)	Federal Team Meeting	A meeting between Pretivm and federal regulators about the Brucejack Gold Mine Project and EIS Guidelines. CEA Agency gave a presentation on <i>CEAA 2012</i> .	N/A
	8/6/2013 11:00 AM	Meeting (Vancouver)	Navigable Waters Protection Act and Transportation of Dangerous Goods Act	The meeting was scheduled to discuss applicability of the Navigable Waters Protection Act to the Project and related EIS requirements. TC raised other potential EIS requirements related to TC interests, such as the Transportation of Dangerous Goods Act. CEA Agency also in attendance.	N/A
	8/21/2013	Phone	Transportation of Dangerous Goods Act and Emergency Response Action Plan	Follow-up to the August 6, 2013 meeting between Pretivm and TC to discuss potential EIS requirements related to the relevance of the Transportation of Dangerous Goods Act and associated Emergency Response Action Plan.	N/A

*NOTE: Responses to these issues are included in the issues tracking table in Appendix 3-H. Working Group meetings are included at the end of Table 3G-1 (Summary of Communications with Provincial Government Agencies).