
Environmental and Social Impact Assessment

Section 10, References

10 REFERENCES

10.1 Section 1 Literature Cited

Buursink. 2005. Country Environment Assessment (CEA) – Suriname. Draft Report, February 2005. Inter-American Development Bank.

Fund for Peace. 2017. Fragile State Index 2017 – Annual Report. Messner, J.J. <http://fundforpeace.org/fsi/2017/05/14/fragile-states-index-2017-annual-report/>

GoS (Government of Suriname). 2006. National Biodiversity Strategy. Ministry of Labour, Technological Development and Environment. March 2006.

GoS. 2012. Development Strategy 2012-2016, Suriname in Transformation. *Ontwikkelingsplan. Publicatie van de Stichting Planbureau Suriname*.

GoS. 2015. Government Policy Statement from the President of the Republic of Suriname. *Regeringsverklaring: Een Welzijns-Samenleving Door Duurzame Economische Groei. Uitgestroken door Zijne Excellentie Deisre Delano Bouterse In de Nationale Assemblee*. September 30, 2015.

GoS. 2016. National Biodiversity Action Plan (NBAP) 2012-2016. Ministry of Labour, Technological Development and Environment. February 2013.

GoS. 2017. Development Strategy 2017-2021. *Ontwikkelingsplan. Publicatie van de Stichting Planbureau Suriname*. May 2017

NIMOS (National Institute for Environment and Development in Suriname). 2009. Environmental Assessment Guidelines, Volume I: Generic, Second Edition: August 2009, Office of Environmental and Social Assessment.

SRK Consulting. 2007. Environmental and Social Impact Assessment of Transport Aspects of the Proposed Bakhuis Bauzite Project, Report No 362387/2a.

UN (United Nations). 2016a. National Report Submitted in Accordance with Paragraph 5 of the Annex to Human Rights Council Resolution 16/21. Suriname. General Assembly. Working Group on the Universal Periodic Review. 25th Session. 2-13 May 2016.

UN. 2016b. Suriname 2016 Universal Periodic Review: Joint Submission from the United Nations Country Team for Suriname. United Nations Country Team

USDoS (United States Department of State). 2013. Human Rights Report, Suriname. <http://www.state.gov/documents/organization/220684.pdf>

10.2 Section 2 Literature Cited

IFC (International Finance Corporation). 2007. Environmental, Health and Safety Guidelines: Mining. December 2007. Available at: www.ifc.org/ehsguidelines. Accessed on: January 30, 2018.

Environmental and Social Impact Assessment

Section 10, References

IFC and EBRD (European Bank for Reconstruction and Development). 2009. Workers Accommodation: Process and Standards. September 2009. Available at: http://www.ifc.org/wps/wcm/connect/topics_ext_content/ifc_external_corporate_site/sustainability-at-ifc/publications/publications_gpn_workersaccommodation. Accessed on: January 30, 2018.

10.3 Section 3 Literature Cited

ERM (Environmental Resources Management). 2013. Merian Project Final ESIA Report. Prepared for Suriname Gold Company. 31 January 2013.

ILACO (ILACO Suriname N.V.). 2017. Traffic Baseline Study for the Sabajo Project ESIA. Prepared for Newmont Suriname. Draft Report. November 2017.

10.4 Section 4 Literature Cited

AMIRA (AMIRA International Ltd.). 2002. ARD Test Handbook – Project P387A Prediction and Kinetic Control of Acid Rock Drainage (Appendix C). May.

Artist, J., and Rijssdijk, F. 2017. A Historical Narrative of Traditional Lands around the Newmont Sabajo Project. December 2017.

ASTM (American Society of Testing Materials). 2009. Standard Test Methods for Analysis of Metal Bearing Ores and Related Materials by Combustion Infrared Adsorption Spectrometry. E 1915-09.

ASTM. 2013. Standard Test Method for Laboratory Weathering of Solid Materials Using a Humidity Cell. D 5744-13^{E1}.

Barnes, B.S. 1939. The structure of baseflow recession curves. Transactions of the American Geophysical Union 20: 721-725.

Bosma, W., S.B. Kroonenberg, R.V. Van Lissa, K. Maas and E.W.F de Roever. 1984. An explanation to the geology of Suriname - Meded. Geol. Mijnb. Dienst Sur. 27, p.31-82.

CCME (Canadian Council of Ministers of the Environment). 2001. Canadian Sediment Quality Guidelines for the Protection of Aquatic Life: Introduction. Updated. In: Canadian environmental quality guidelines, 1999, Canadian Council of Ministers of the Environment, Winnipeg. Available online at: <http://ceqg-rcqe.ccme.ca/>. Accessed October 2017.

Chao, A., R. L. Chazdon, R. K. Colwell, and T.-J. Shen. 2005. A new statistical approach for comparing compositional similarity based on incidence and abundance data. *Ecology Letters* 8: 148-159.

Colwell, R. K. 2013. EstimateS: Statistical estimation of species richness and shared species from samples. Version 9. Persistent URL <purl.oclc.org/estimates>.

CSIS (Center for Strategic International Studies). 2017. Suriname's Economic Crisis. April 20, 2017. Available at: <https://www.csis.org/analysis/surinames-economic-crisis>. Accessed on: October 2017.

De Boer, M.W.H. 1972. Landforms and soils in eastern Surinam (South America). Doctoral thesis, Wageningen, The Netherlands.

Environmental and Social Impact Assessment

Section 10, References

- De Dijn, B. P. E., and C. Landburg. 2017. Environmental Baseline Study: Reconnaissance for the proposed gold mine expansion by Newmont LLC project at Sabajo, Suriname (South America). Prepared by ESS Environment for Newmont LLC.
- De Dijn, B.P.E., P.A. Teunissen & J.H.A. Mol (in press). Ecosystems. In *Natural History and Ecology of Suriname* (B.P.E. De Dijn ed), p.x-p.y.
- De Dijn, B.P.E., P.A. Teunissen & J.H.A. Mol (in press). Ecosystems. In *Natural History and Ecology of Suriname* (B.P.E. De Dijn ed).
- de Granville, J.J., 2017. Senior botanist researcher at Institut de Recherche pour le Developpement (IRD), former curator of Cayenne IRD Herbarium, specialist of the systematics of neotropics palms. Procurement of data update as personnal communication : email with B. G. Bordenave. November the 1st 2017.
- Emmons, L. H., and F. Feer. 1997. Neotropical rainforest mammals: a field guide (2nd ed.). The University of Chicago Press.
- ERM (Environmental Resources Management). 2012. Merian Project Revised ESIA, Section 5.0 Project Location and Setting. November 2012.
- ERM. 2013. Merian Project Final ESIA Report. Prepared for Suriname Gold Company. 31 January 2013
- FAO (Food and Agricultural Organization). 1977. Guidelines for soil profile description. Food and Agriculture Organization, Rome.
- FAO. 2014. World reference base for soil resources. International soil classification system for naming soils and creating legends for soil maps. World Soil Resources Report no. 106. Food and Agriculture Organization of the United Nations, Rome, 2014.
- Freeze, A., and J. Cherry. 1979. Groundwater. Prentice-Hall, New Jersey.
- GEI Consultants. 2017. Copper Water-Effects Ratio Report. Prepared for Newmont Mining Corporation – Merian Gold Mine. 26 May 2017.
- GMD (Geologisch Mijnbouwkundige Dienst). 1977. Geological map of Suriname 1:500,000. Geologisch Mijnbouwkundige Dienst Suriname (Paramaribo).
- Golder (Golder Associates Inc.). 2012a. Baseline Hydrology Report – Merian Project. Prepared for Suriname Gold Company LLC, October 2012.
- Golder. 2012b. Climate Summary: Precipitation, Temperature and Evaporation – Merian Project. Prepared for Suriname Gold Company LLC, May 2012.
- Golder. 2013. Appendix B: Hydrogeology Merian Gold Project – Liner Variance Evaluation. Report prepared for Suriname Gold Company LLC. April 12.
- Golder. 2017a. Sabajo Phase II Hydrogeology Investigation Work Plan. Technical Memorandum prepared for Newmont Suriname, LLC. June 7.

Environmental and Social Impact Assessment

Section 10, References

- Golder. 2017b. Scoping Report and Terms of Reference: Environmental and Social Impact Assessment Study of the Sabajo Expansion of the Merian Gold Mine in Suriname. August 2017.
- Golder. 2018a. Sabajo Project – Environmental Liability Assessment for the Santa Barbara and Margo Sites. Submitted to Newmont Suriname LLC.
- Golder. 2018b. Groundwater field report prepared for Newmont Suriname.
- Golder. 2018c. Sabajo Project – Baseline Water Quality Data Report. February 2018.
- GoS (Government of Suriname). 2017. Development Strategy 2017-2021. *Ontwikkelingsplan. Publicatie van de Stichting Planbureau Suriname*. May 2017
- GRDC (Global Runoff Data Centre). 2017. Streamflow Data. Available at:
http://geoportal.bafg.de/mapapps2/resources/apps/GRDC_WFS/index.html?lang=de
Accessed on: September 2017.
- Hammond, D. S. (ed.). 2005. Tropical Forests of the Guiana Shield. Wallingford, UK: CABI Publishing.
- Hardner, J.J., R.E. Gullison & P.P. Lowry. 2015. Offsets: conservation served by flexibility. *Nature* 524, 415.
- Health Canada. 2007. Human Health Risk Assessment of Mercury in Fish and Health Benefits of Fish Consumption. March 2007.
- Heilbron, D., and Willemsen, G. 1980. Goud en balata-exploitatie in Suriname: nieuwe productie-sectoren en nieuwe vormen van afhankelijkheid in: Caraibisch Forum nr 1, jaargang 1 en nr 2, jaargang 1.
- Herzog, S. K., B. J. O'Shea, and T. Pequeño. 2016. Toward a standardized protocol for rapid surveys of terrestrial bird communities. In Larsen, T. H. (ed.). Core Standardized Methods for Biological Field Assessment, pp. 93-108. Conservation International, Arlington VA.
- Herzog, S. K., M. Kessler, and T. M. Cahill. 2002. Estimating species richness of tropical bird communities from rapid assessment data. *Auk* 119: 749-769.
- Hollowell, T., and R. P. Reynolds (eds.). 2005. Checklist of the terrestrial vertebrates of the Guiana Shield. *Bulletin of the Biological Society of Washington* 13.
- IADB (Inter-American Development Bank). 2006. Best Practices in Intercultural Health. Produced by: O'Neill, J., Bartlett, J. and Mignone, J. June 2006. Available at:
<http://www.iadb.org/wmsfiles/products/publications/documents/1484415.pdf>
- ICOMOS (International Council on Monuments and Sites). 1990. Charter for the Protection and Management of the Archaeological Heritage. International Council on Monuments and Sites, Paris.
- IFC (International Finance Corporation). 2007a. Environmental, Health, and Safety (EHS) Guidelines – Mining. 10 December 2007.
- IFC. 2007b. Environmental, Health, and Safety (EHS) Guidelines – General EHS Guidelines: Environmental Wastewater and Ambient Water Quality. 30 April 2007.

Environmental and Social Impact Assessment

Section 10, References

- IFC. 2007c. General Environmental, Health, and Safety Guidelines: Environmental Noise Management. April 2007.
- IGSR (Institute for Graduate Studies and Research). 2014. Cardiovascular Mortality in Suriname (2000-2009). March 2014. Available at: <http://www.igsr.sr/wp-content/uploads/2015/05/51.-Ori-Radjeshkoemar.pdf> Accessed on: 11 January 2018.
- IGSR. 2017. Socio-Economic Baseline 'Sabajo Project'. Final Draft Report. 19 November 2017.
- IHME (Institute for Health Metrics and Evaluation). 2017. Suriname (2015). Available at: <http://www.healthdata.org/suriname> Accessed on: July 2017.
- ILACO (ILACO Suriname N.V.). 2017a. Baseline Report: Geomorphology and Soils Report.
- ILACO. 2017b. Noise Baseline Study Sabajo Project ESHIA. December 2017.
- ILACO. 2017c. Traffic Baseline Study for the Sabajo Project. Prepared for Newmont Suriname. December 2017.
- IMF (International Monetary Fund). 2017. Suriname: Country Data. 24 January 2017.
- ISOS (International SOS). 2017. Baseline Health Status: Suriname. Managing Partner, Suriname Gold Project CV. November 2017.
- KDV Architects. 2003 [2007]. Suikerplantage Breukelerwaard aan de boven-Commewijne. Available at: <http://kdvarchitects.com/smartzcms/default7987.html?contentID=1>.
- KDV Architects. 2004 [2012]. de plantages aan de Tempati. Available at: <http://kdvarchitects.com/smartzcms/default7987.html?contentID=1>.
- KDV Architects. 2005 [2009]. Suikerplantage Oranibo aan de boven-Commewijne. Available at: <http://kdvarchitects.com/smartzcms/default7987.html?contentID=1>.
- KDV Architects. 2009. Houtgrond Victoria aan de Surinamerivier. Available at: <http://kdvarchitects.com/smartzcms/default7987.html?contentID=1>.
- Kelloff, C. L., and V. A. Funk. 2004. Phytogeography of the Kaieteur Falls, Potaro Plateau, Guyana: floral distributions and affinities. *Journal of Biogeography* 31: 501-513.
- King, L.C., D.K. Hobday and M. Mellody. 1964. Cyclic denudation in Surinam. Internal report on behalf of the Geological and Mining Service of Suriname.
- Kips, P.A. and A.R. Snel. 1979. Landschap en bodem langs de midden-Surinamerivier. Report Soil Survey Department Suriname, no. 63.
- Koelewijn, Cees (with Peter Riviere). 1987. Oral literature of the Trio Indians of Suriname. Dordrecht; Providence, R.I.: Foris Publications
- Krebs, C.J., 1989. Ecological methodology. Harper Collins, New York.
- Kroonenberg, S.B., E.W.F. de Roever, L.M. Fraga, N.J. Reis, T. Faraco, J.-M. Lafon, U. Cordani & T.E. Wong. 2016. Paleoproterozoic evolution of the Guiana Shield in Suriname: A revised model. *Netherlands Journal of Geosciences — Geologie en Mijnbouw* page 1 of 32.

Environmental and Social Impact Assessment

Section 10, References

- Legendre, P., and Legendre, L. 1998. Numerical Ecology, Volume 24. Elsevier Science. 25 November 1998.
- Lim, B. K., and H. Banda. 2013. Rapid assessment program (RAP) survey of small mammals in the Grensgebergte and Kasikasima region of southeastern Suriname. In: Alonso, L. E. and T. H. Larsen (eds.). A Rapid Biological Assessment of the Upper Palumeu River Watershed (Grensgebergte and Kasikasima) of Southeastern Suriname. Conservation International, RAP Bulletin of Biological Assessment, 67:161–169.
- Lim, B. K., and V. Pacheco. 2016. Small non-volant mammals. In, Larsen, T.H. (ed.) Core Standardized Methods for Rapid Biological Field Assessment. Conservation International, Arlington, VA., pp. 83–92.
- MacLeod, R., S. K. Herzog, A. MacCormick, S. R. Ewing, R. Bryce, and K. L. Evans. 2011. Rapid species abundance monitoring for biodiversity conservation: testing consistency and reliability of the MacKinnon-lists technique. *Biological Conservation* 144:1374-1381.
- Melitz, P.J. and M.R. Alderlieste. 1978. Bodemprofielbeschrijvingen, analyses en pF, porienverdeling en vochtcapaciteitcurven uit het karteringgebied Nassau. Intern report Soil Survey Department
- Melitz, P.J.. 1978. Globale landgeschiktheidsklassifikatie. Een handleiding voor de interpretatie van overzichtsbodemkaarten (eerste versie). Deel I. Intern report Soil Survey Department Suriname, no. 170.
- MEND (Mine Environment Neutral Drainage). 2009. Prediction Manual for Drainage Chemistry from Sulphidic Geologic Materials. MEND Report 1.20.1, December 2009.
- Meyer, M. and P. Montoya. 2011. Memorandum – Water Quality Standards and Strategy for the Merian Project (Draft Version 2). 1 September 2011.
- MOH (Ministry of Health). 2011. National health Sector Plan. Suriname (2011-2018). October 2011. Available at:
http://www.nationalplanningcycles.org/sites/default/files/country_docs/Suriname/nhsp_2011_2018.pdf Accessed on: 11 January 2018.
- Mol, J.H. and F. Van der Lugt. 2012. Baseline study of aquatic ecosystems in the Merian Concession of Surgold (Newmont/Alcoa), in relation to the Environmental and Social Impact Assessment of the Merian Gold project, Suriname, with special reference to fish, macro-invertebrate and phytoplankton communities: November/December 2011 and February 2012 surveys. Report to Environmental Resources Management, Paramaribo.
- Mol, J.H., and P. Ouboter. 2004. Downstream Effects of Erosion from Small-Scale Gold Mining on the Instream Habitat and Fish Community of a Small Neotropical Rainforest Stream. *Journal of Conservation Biology*. Volume 18, Issue 1, pages 201–214, February 2004.
- Mol, J.H.A. 2012. *The freshwater fishes of Suriname*. Brill, Leiden.
- Newmond (Newmont Mining Company). 2011. Semiquantitative Mineralogy of Eleven Drill Hole Composites from the Sabajo Project, Suriname. Memorandum from J. Thogerson (Newmont) to J. Lee (Newmont). June 13.

Environmental and Social Impact Assessment

Section 10, References

- Newmont. 2015. Sabajo Project – Geology Scope of Work. December.
- Ngwenayama, C. 2007. The Material Beginnings of Saramaka Maroons (Doctoral dissertation). University of Florida, Gainesville, FL.
- Noordam, D. 1993. The geographical outline. In: P.E. Ouboter (Ed). The freshwater ecosystems of Suriname. Kluwer Academic Publishers. p 13-28.
- O'Herne, L. 1966. Photogeological map of Suriname, 1: 500,000 – Geol. Mijnb. Dienst Sur.
- O'Herne, L. 1969. A photogeological study of the basal complex of Surinam - Meded. Geol. Mijnb. Dienst Sur. 20, p. 53-149.
- Plumlee, G.S., K.S. Smith, M.R. Montour, W.H. Ficklin, and E.L. Mosier, 1999. Geologic Controls on the Composition of Natural Waters and Mine Waters Draining Diverse Mineral-Deposit types. In G.S. Plumlee and M.J. Logsdon (Eds.), The Environmental Geochemistry of Mineral Deposits, Reviews in Economic Geology, Volume 6B, pp. 373-432.
- Price, R. 2013. Research Note: The Maroon Population Explosion: Suriname and Guyane. New West Indian Guide 87 (2013) 323-327
- Republic of Suriname. 2016. Second National Communication to the United Nations Framework Convention on Climate Change. 2008-2012. Office of the President of the Republic of Suriname. March 2016.
- Republic of Suriname. 2017. Ministry of Finance. Tables Government Finance Statistics 201. Revised data published on 9th of October 2017. Available at: https://drive.google.com/file/d/0B6_HYWJvSMnbcTk2THhkWkZodTg/view. Accessed October 2017.
- Research Gate. 2017. Cardiovascular Death in Surinamese by Country and Ethnicity. 21 June 2017. Available at: https://www.researchgate.net/publication/317730684_Brewster_Lizzy_M_2017_Cardiovascular_Death_in_Surinamese_by_Country_and_Ethnicity_figshare_httpsdoiorg106084m9figshare1509931v1_Retrieved_Jun_21_2017 Accessed on: 11 January 2018.
- Sanchez, P.A., C. A. Palma and S. W. Buol. 2003. Fertility capability soil classification: a tool to help assess soil quality in the tropics. *Geoderma* 114 (2003) 157– 185.
- Sanchit, R. 1974. Morphology and geochemistry of three soils of the interior of Surinam, South America. Report on a research project in tropical soil science. Report no. 71, soil Survey Department Suriname. July 1974.
- Seal, R.R., II., N.K. Foley, and R.B. Wanty. 2002. Introduction to Geoenvironmental Models of Mineral Deposits. In R.R. Seal II and N.K. Foley (eds.), Progress on Geoenvironmental Models for Selected Mineral Deposit Types, U.S. Geological Survey Open-File Report 02-195.
- Sikes, R. S., et al. 2016. Guidelines of the American Society of Mammalogists for the use of wild mammals in research and education. *Journal of Mammalogy*, 97:663–688.
- Smith, K. S., and H.L.O. Huyck. 1999. An Overview of the Abundance, Relative Mobility, Bioavailability, and Human Toxicity of Metals. In G.S. Plumlee and M.J. Logsdon (Eds.), The

Environmental and Social Impact Assessment

Section 10, References

- Environmental Geochemistry of Mineral Deposits, Reviews in Economic Geology Volume 6A, pp. 29-70.
- Sobek, A.A., Schuller, W.A., Freeman, J.R. and R.M. Smith. 1978. Field and Laboratory Methods Applicable to Overburden and Minesoils. EPA 600/2-78-054.
- Social Solutions and ILACO (ILACO Suriname N.V.). 2017a. Socioeconomic and Cultural Resources Survey: For the communities of Powakka, Philipus Kondre (Kl. Powakka), Redi Doti, Casipora and Pierre Kondre Kumbasi. Produced as part of the Sabajo ESIA. November 2017.
- Social Solutions and ILACO. 2017b. Small-scale Mining Survey. Produced as part of the Sabajo ESIA report. August 2017.
- Social Solutions and ILACO. 2017c. Cultural Resources Survey. Produced as part of the Sabajo ESHIA. August 2017.
- Social Solutions and ILACO. 2017d. Tangible Heritage. Produced in support of Sabajo ESHIA report. September 2017.
- Social Solutions. 2017. Cultural Heritage Baseline Study. Prepared for Newmont Suriname, LLC.
- Soil Survey Division Staff. 1993. Soil survey manual. U.S. Department of Agriculture Handbook 18. Natural Resources Conservation Service.
- SPS (Stichting Planbureau Suriname). 2013. Regionaal Plan Brokopondo. Brokopondo in transformative 2015 – 2040. Werken aan een aantrekkelijk district met een duurzame groene productiestructuur. Deel 1.
- SPS. 2017a. Suriname binnen de wereldeconomie. Halfjaarlijks verslag.
- SPS. 2017b. Ontwikkelings Plan 2017-2021.
- SSDS (Soil Survey Department Suriname). 1977. Reconnaissance soil map of Northern Suriname, scale 1: 100 000. Sheet numbers 22 and 23.
- Stedman, John Gabriel. 1791. Captain Stedman's Narrative of an Expedition to Surinam. London: England.
- Stewart, Julian, ed. 1963 [1945]. Handbook of South American Indians, Volume 3: The Tropical Forest Tribes. Smithsonian Institution Bureau of American Ethnology, Bulletin 143. New York: Cooper Square Publishers. Stedman 1791
- Tetra Tech. 2011a. September 2010 Surface Water and Sediment Sampling Report - Newmont USA Limited, Cassador, Suriname. 26 January 2011.
- Tetra Tech. 2011b. November 2010 Surface Water Sampling Report - Newmont USA Limited, Cassador, Suriname. March 2011.
- Tetra Tech. 2011c. April 2011 Surface Water Sampling Report - Newmont USA Limited, Sabajo Gold Project, Suriname. November 2011.
- Tetra Tech. 2012a. November 2011 Surface Water and Sediment Sampling Report - Newmont USA Limited, Sabajo Gold Project, Suriname. 27 February 2012.

Environmental and Social Impact Assessment

Section 10, References

- Tetra Tech. 2012b. March 2012 Surface Water Sampling Report - Newmont USA Limited, Sabajo Gold Project, Suriname. July 2012.
- Tetra Tech. 2012c. May 2012 Surface Water and Sediment Sampling Report - Newmont USA Limited, Sabajo Gold Project, Suriname. September 2012.
- Tetra Tech. 2013a. Meteorological Monitoring 18-Month Data Summary Report – Sabajo Gold Project, Suriname. Prepared for Suriname Gold Company LLC. April 2013.
- Tetra Tech. 2013b. September 2012 Surface Water Sampling Report - Newmont USA Limited, Sabajo Gold Project, Suriname. January 2013.
- Tetra Tech. 2013c. April 2013 Surface Water Sampling Report - Newmont USA Limited, Sabajo Gold Project, Suriname. September 2013.
- Tetra Tech. 2014a. Environmental Liability Assessment and Surface Water Sampling Report – SurGold Sabajo Gold Project, Commewijne Watershed, Suriname. October 2014.
- Tetra Tech. 2014b. November 2013 Surface Water Sampling Report - Newmont USA Limited, Sabajo Gold Project, Suriname. January 2014.
- Tetra Tech. 2015a. Meteorological Monitoring 2014 Annual Data Summary Report - Sabajo Gold Project, Suriname. Prepared for Suriname Gold Company LLC. July 2014.
- Tetra Tech. 2015b. October 2014 Surface Water Sampling Report – Suriname Gold Company, Sabajo Gold Project, Suriname. January 2015.
- Tetra Tech. 2015c. May 2015 Surface Water Sampling Report – Suriname Gold Company, Sabajo Gold Project, Suriname. July 2015.
- Tetra Tech. 2015d. October 2015 Surface Water Sampling Report – Suriname Gold Company, Sabajo Gold Project, Suriname. December 2015.
- Tetra Tech. 2016a. March 2016 Surface Water Sampling Report – Sabajo Gold Project, Suriname. Prepared for Suriname Gold Company LLC. May 2016.
- Tetra Tech. 2016b. March 2016 Surface Water Sampling Report – Suriname Gold Company, Sabajo Gold Project, Suriname. May 2016.
- The World Bank Group. 2017. Climate Change Knowledge Portal: Average Monthly Temperature and Rainfall for Suriname from 1901-2015. Available at:
http://sdwebx.worldbank.org/climateportal/index.cfm?page=country_historical_climate&ThisRegion=Latin%20America&ThisCCode=SUR Accessed on: 22 December 2017.
- UNDP (United Nations Development Programme). 2015. Human Development Report 2015. Work for Human Development. Available at:
http://hdr.undp.org/sites/default/files/2015_human_development_report.pdf. Accessed on: 25 February 2018.
- USACE (United States Army Corps of Engineers) Mobile District and Topographic Engineering Center. 2001. Water Resources Assessment of Suriname. United States Southern Command. December 2001.

Environmental and Social Impact Assessment

Section 10, References

- USDOT (United States Department of Transportation). 2017. *Public Roads – Living with Noise*. Website: <https://www.fhwa.dot.gov/publications/publicroads/03jul/06.cfm>. Accessed November 2017.
- USEPA (United States Environmental Protection Agency). 1994. Method 1312 – Synthetic Precipitation Leaching Procedure (Revision 0). September.
- USEPA (United States Environmental Protection Agency). 1999. 1999 Update of Ambient Water Quality Criteria for Ammonia. EPA-822-R-99-014. December 1999.
- USEPA. 1996. Method 1669 – Sampling Ambient Water for Trace Metals at EPA Water Quality Criteria Levels. July 1996.
- USEPA. 2005. Guidance for Developing Ecological Soil Screening Levels. OSWER Directive 9285.7-55. February 2005.
- USEPA. 2009a. Hazardous Waste Characteristics – A User-Friendly Reference Document. October 2009.
- USEPA. 2009b. National Primary Drinking Water Regulation Table. EPA 816-F-09-004. May. <https://www.epa.gov/ground-water-and-drinking-water/national-primary-drinking-water-regulation-table>. Accessed 31 January 2018.
- USEPA. 2016. Regional Screening Level Summary Tables – May 2016. Available at: <https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables-may-2016> . Accessed: October 2017.
- Versteeg, A. 1998. The history of prehistoric archaeological research in Suriname. In The History of Earth Sciences in Suriname. Th.E. Wong, D.R de Vletter, L. Krook, J.I.S. Zonneveld and A.J. van Loon, eds. Pp. 203-234. Kon. Ned. Academie Wetenschappen and Nederlands Instituut voor Toegepaste Geowetenschappen TNO.
- Versteeg, A. 2003. Suriname Before Columbus. Paramaribo: Stichting Surinaams Museum.
- Versteeg, A. and F. C. Bubberman. 1992. Suriname Before Columbus. Mededelingen Stitching Surinaams Museum 49A, Paramaribo: Stitching Surinaams Museum.
- Waterloo Hydrogeologic. 1999. AquaChem Version 3.7.
- White, C. 2017. Tangible Heritage: Produced in support of Sabajo ESHIA report (final report). Unpublished report on file with Newmont Suriname, LLC.
- Whittow, J.B. 2000. Dictionary of Physical Geography. Penguin Books, New York
- WHO (World Health Organization). 2005. WHO Air quality guidelines for particulate matter, ozone, nitrogen dioxide and sulfur dioxide.
- World Bank. 2017 - World Bank. 2017. IBRD IDA Data. Suriname. Available at: <https://data.worldbank.org/country/suriname>. Accessed on: October 2017.
- World Bank. 2018. World Bank Country and Lending Groups. Available at: <https://datahelpdesk.worldbank.org/knowledgebase/articles/906519-world-bank-country-and-lending-groups>. Accessed on: February 2018.

Environmental and Social Impact Assessment

Section 10, References

10.5 Section 5 Literature Cited

- ANZECC (Australia and New Zealand Environmental Conservation Council). 1990. Technical Basis for Guidelines to Minimize Annoyance due to Blasting Overpressure and Ground Vibration. September 1990.
- Artist, J., and Rijssdijk, F. 2017. A Historical Narrative of Traditional Lands around the Newmont Sabajo Project. December 2017.
- Bender W.L. 2006. Understanding Blast Vibration and Airblast, their Causes, and their Damage Potential. Presented at Spring 2006 Workshop of the Golden West Chapter of the International Society of Explosives Engineers.
- Castan Centre for Human Rights Law. 2016. Human Rights Translated 2.0: A Business Reference Guide. Office of the United Nations High Commissioner for Human Rights and United Nations Global Compact. Monash University.
- CEA (Canadian Environmental Assessment) Agency. 2003. Incorporating Climate Change Considerations in Environmental Assessment: General Guidance for Practitioners. Prepared by the Federal-Provincial-Territorial Committee on Climate Change and Environmental Assessment. November 2003.
- Center for Strategic International Studies. 2017. Suriname's Economic Crisis. April 20, 2017. Available at: <https://www.csis.org/analysis/surinames-economic-crisis>. Accessed October 2017.
- Chapelle, F.H. 2001. Ground-Water Microbiology and Geochemistry – Second Edition. John Wiley & Sons, Inc. New York, NY.
- Cyanide Code. 2018. Standard Of Practice 2.1: Distribution and Transport of Cyanide under the Cyanide Code. Available at: <http://www.cyanidecode.org/become-signatory/implementation-guidance>. Accessed on: January 11, 2018.
- Dani, Anis A.; de Haan, Arjan. 2008. Inclusive States : Social Policy and Structural Inequalities. New Frontiers of Social Policy. Washington, DC : World Bank. © World Bank. <https://openknowledge.worldbank.org/handle/10986/6409> License: CC BY 3.0 IGO
- ERM (ERM Consultants). 2013. Merian Project Final ESIA Report. Volume II –Environmental and Social Impact Assessment. January 2013.
- FAO (Food and Agricultural Organization). 1977. Guidelines for soil profile description. Food and Agriculture Organization, Rome.
- Forsyth, B., A. Cameron, and S. Miller. 1995. Explosives and Water Quality. In T.P. Hynes and M. C. Blanchette (Eds.), Proceedings of Sudbury '95 - Mining and the Environment. 28 May to 1 June. Sudbury, Ontario, Canada. V2. pp. 795-803. 1995.
- GMining Services Inc. 2017. Sabajo Project Key Characteristics – ESIA & Permitting. Memorandum to Brian Haverland. May 19, 2017.
- Golder. 2012a. Climate Summary: Precipitation, Temperature and Evaporation – Merian Project. Prepared for Suriname Gold Company LLC, May 2012.

Environmental and Social Impact Assessment

Section 10, References

- Golder. 2012b. Merian Site Wide Water Balance Rev0 – Merian Project. Prepared for Suriname Gold Company LLC, May 2012.
- Golder. 2012c. Baseline Hydrology Report – Merian Project. Prepared for Suriname Gold Company LLC, October 2012.
- Golder. 2012d. Merian Project – Geochemistry Baseline and Source Water Quality Predictions – Revision 5. Prepared for Suriname Gold Company LLC. 13 November 2012.
- Golder. 2017a. Sabajo Pit 1 – Estimated Steady-State Groundwater Inflow at End of Mining. Technical memorandum prepared for Newmont Suriname, LLC. 5 December 2017.
- Golder. 2017b. Sabajo Pit 1 Post-Closure Filling Analysis. Technical memorandum prepared for Newmont Suriname, LLC. Draft Report. December 2017.
- Golder. 2018. Air Quality Technical Memorandum for the Sabajo Project. Draft Report. February 2018.
- GoS (Government of Suriname). 2017. Ministry of Finance. Tables Government Finance Statistics 201. Revised data published on 9th of October 2017. Available at: https://drive.google.com/file/d/0B6_HYWJvSMnbcTk2THhkWkZodTg/view. Accessed October 2017.
- Graham, Melissa. 2018. Personal Communication – Email from M. Graham (Environment Manager Newmont Suriname) to C. Ross (Golder Associates Inc.) regarding nitrogen species in mine waters. 20 January 2018.
- IAMGOLD Corporation. 2015. Rosebel Gold Mines N.V. Company Information. Available at: <http://www.rosebelgoldmines.sr/media/1092/corporate-brochure-2016-eng.pdf>. Accessed October 2017.
- IAMGOLD Corporation. 2017. Operations. Rosebel Gold Mine, Suriname. Available at: <http://www.iamgold.com/English/operations/operating-mines/rosebel-gold-mines-suriname/default.aspx>. Accessed October 2017.
- ICOMOS (International Council on Monuments and Sites). 1990. Charter for the Protection and Management of the Archaeological Heritage. International Council on Monuments and Sites, Paris.
- IFC (International Finance Corporation). 2007. Environmental, Health, and Safety Guidelines. General EHS Guidelines: Environmental. Air Emissions and Ambient Air Quality. April 2007.
- IFC (International Finance Corporation). n.d. Part two; Understanding Project induced In-migration. Available from: https://www.ifc.org/wps/wcm/connect/09c22f8048855600b904fb6a6515bb18/Influx_Part2.pdf?MOD=AJPRES
- IFC. 2017. IFC Greenhouse Gas Reduction Accounting Guidance for Climate-Related Projects. May 2017.
- IGSR (Institute for Graduate Studies and Research). 2017. Socio-Economic Baseline ‘Sabajo Project’. Final Draft Report. Prepared for Golder Associates Ltd. November 19, 2017.

Environmental and Social Impact Assessment

Section 10, References

ILACO (ILACO Suriname N.V.). 2017. Traffic Baseline Study. Sabajo Project ESHIA. Draft Report. November 2017.

IPCC (Intergovernmental Panel on Climate Change). 2007. Climate Change 2007. Available at: <https://www.ipcc.ch/report/ar4/>.

ISO (International Organization for Standardization). 1996. ISO 9613-2 Acoustics – Attenuation of sound during propagation outdoors – Part 2: General method of calculation. December 2012.

ISO. 2003. ISO 1996-1 Acoustics – Description, measurement, and assessment of environmental noise – Part 1: Basic quantities and assessment procedures. August 2003.

ISOS (International SOS). 2017. Health Impact Assessment for the Sabajo Project.

Lakes (Lakes Environmental Software). 2017. Surface & Upper Air Met Data. AERMET/AERMOD Preprocessed from MM5 Data. October 2017.

Laurance et al. 2002. Ecosystem decay of Amazonian forest fragments: a 22-year investigation. Conservation Biology. Vol 16 (3): 605-18.

M.G. van Veen. 2010. "HIV and STI epidemiology in high-risk populations in the Netherlands" Thesis from Universiteit Amsterdam
http://www.rivm.nl/Documenten_en_publicaties/Algemeen_Actueel/Uitgaven/Infectieziekten_Bulletin/Archief_jaargangen/Jaargang_21_2010/Nummers_jaargang_21/December_2010/Inhoud_December_2010/Hiv_en_soaepidemiologie_bij_hoogrisicogroepen_in_Nederland

Melitz, P.J. 1978. Globale landgeschiktheidsklassifikatie. Een handleiding voor de interpretatie van overzichtsbodemkaarten (eerste versie). Deel I. Intern report Soil Survey Department Suriname, no. 170.

Melitz, P.J. and M.R. Alderlieste. 1978. Bodemprofielbeschrijvingen, analyses en pF, porienverdeling en vochtcapaciteitcurven uit het karteringgebied Nassau. Intern report Soil Survey Department

Newmont. 2017a. 2017 Outlook as of February 2017. Available at:

<http://www.newmont.com/operations-and-projects/south-america/merian-suriname/operation-facts/default.aspx>. Accessed October 2017.

Newmont. 2017b. Newmont. 2017c. Personal Communication between Cynthia Parnow and Scott Hansen. October 06, 2017. Newmont Suriname delivers strong performance to generate shared value in first full year of operation. Available at:
<http://www.newmont.com/newsroom/newsroom-details/2017/Newmont-Suriname-delivers-strong-performance-to-generate-shared-value-in-first-full-year-of-operation-/default.aspx>. Accessed December 2017.

Newmont. 2017c. Personal communication between Cynthia Parnow and Dominique Van Dijk. October 06, 2017.

Newmont. 2017d. Sustainability and External Relations Standard: Local Procurement and Employment. March 2014.

Environmental and Social Impact Assessment

Section 10, References

- NHC (National Hurricane Center). 2017. NHC Data Archive. Available at:
<http://www.nhc.noaa.gov/data/>. Accessed on: 21 December 2017.
- OAS (Organization of American States). 2011a. American Convention on Human Rights. Available at:
<http://www.oas.org/en/iachr/mandate/basics/conventionrat.asp> Accessed on: January 2018.
- OAS. 2011b. Caribbean Disaster Mitigation Project – Seismic Hazard Maps: Suriname. Available at:
<http://www.oas.org/CDMP/document/seismap/suriname.htm>. Accessed on 21 December 2017.
- R. Rodriguez-Fernandez, E. Rahajeng, et al. 2015. "Non-communicable disease risk factor patterns among mining industry workers in Papua, Indonesia: longitudinal findings from the Cardiovascular Outcomes in a Papuan Population and Estimation of Risk (COPPER) Study" (2015). *Occup Environ Med* 2015;0:1–8. Available from
<https://www.ncbi.nlm.nih.gov/pubmed/26231573>
- Republic of Suriname. 2016. Second National Communication to the United Nations Framework Convention on Climate Change. 2008-2012. Office of the President of the Republic of Suriname. March 2016.
- Resolve. 2017. Free, Prior and Informed Consent within a Human Rights Framework: Lessons from a Suriname Case Study. Report prepared by Expert Advisory Panel for Merian Mine.
- Revey, G.F. 1996. Practical methods to control explosive losses and reduce ammonia and nitrate levels in mine water. *Mining Engineering*. July 1996.
- Social Solutions and ILACO. 2017a. Socioeconomic and Cultural Resources Survey for the Communities of Powakka, Philipusdorp (Kl. Powakka), Redi Doti, Casipora and Pierre Kondre Kumbasi. Produced as Part of the Sabajo ESIA Report. November 2017. Draft Report
- Social Solutions and ILACO. 2017b. Small-scale Mining Survey. Produced as part of the Sabajo ESIA report. August 2017. Draft Report.
- Surgold (Suriname Gold Company LLC). 2013. Merian Project Final ESIA Report. Volume II – Environmental and Social Impact Assessment. January 2013.
- Terrock (Terrock Consulting Engineers). (n.d.). Blast Vibration Course: Measurement, Assessment, Control.
- Terrock. 2009. Stornoway Quarry, Raeburn Quarry – Effects of Blasting.
- The Climate Registry. 2016. General Reporting Protocol for the Voluntary Reporting Program. Version 2.1. January 2016. Available at: <http://www.theclimateregistry.org/wp-content/uploads/2014/11/General-Reporting-Protocol-Version-2.1.pdf>.
- The Climate Registry. 2017. 2017 Default Emission Factors. March 2017. Available at:
<https://www.theclimateregistry.org/wp-content/uploads/2017/05/2017-Climate-Registry-Default-Emission-Factors.pdf>.
- UN (United Nations). 2008. Declaration on the Rights of Indigenous Peoples. Published by the United Nations. 07-58681. March 2008

Environmental and Social Impact Assessment

Section 10, References

- UN. 2012. The Corporate Responsibility to Respect Human Rights: An Interpretive Guide. United Nations Human Rights
- UN. 2013. The Business Reference Guide to the UN Declaration on the Rights of Indigenous Peoples. United Nations Global Compact. New York. 2013.
https://www.unglobalcompact.org/docs/issues_doc/human_rights/IndigenousPeoples/BusinessGuide.pdf
- UNFCCC (United Nations Framework Convention on Climate Change). 2014. *GHG total including LULUCF dataset*. Available at:
http://unfccc.int/ghg_data/ghg_data_unfccc/time_series_annex_i/items/3814.php.
- USEPA (United States Environmental Protection Agency). 2017a. NAAQS Table. Available at <https://www.epa.gov/criteria-air-pollutants/naaqs-table>.
- USEPA. 2017b. AP-42: Compilation of Air Emission Factors. Available at <https://www.epa.gov/air-emissions-factors-and-quantification/ap-42-compilation-air-emission-factors>.
- Walsh J, Molyneux D, Birley M. 1993. Deforestation – effects on vector-borne disease. *Parasitology*, 106, S55-S75.
- WHO (World Health Organization). 2005. WHO Air quality guidelines for particulate matter, ozone, nitrogen dioxide and sulfur dioxide.
- WHO. 2016. Sexually transmitted infections (STIs) Fact Sheet.
<http://www.who.int/mediacentre/factsheets/fs110/en/>
- WHO. 2017. Vector Borne Diseases Fact Sheet. <http://www.who.int/mediacentre/factsheets/fs387/en/>
- Wilhelm, S.R., S.L. Schiff, and J. A. Cherry. 1994. Biogeochemical Evolution of Domestic Waste Water in Septic Systems: 1. Conceptual Model. *Ground Water*, 32(6), pp. 905-916.