

HISTORICAL VARIOUS SURVEYS & GROUND WORKS

MARTABE GOLD-MINE

ID	Time	Area(s) surveyed	Purpose	Methods	Reporting
BS-1	2003 & 2004	Project area and reference forest areas	Project baseline data collection	<ul style="list-style-type: none"> ▪ survey plots for vegetation ▪ rapid assessment survey of plant communities ▪ mist netting ▪ cage trapping ▪ camera traps ▪ visual observations ▪ orangutan nest count along transect 	Hatfindo Prima (2005)
BS-2	2008	Areas of the site that were missed or lightly sampled in earlier surveys, two site in remote off-site areas	Amdal baseline data collection	<ul style="list-style-type: none"> ▪ survey plot for vegetation ▪ line transects ▪ mist netting ▪ cage and spring trapping 	URS (2008)
BS-3	2013	Saiful Dump, Barani deposit and areas up to 20 km distant from the project area	Update orangutan survey data collected in baseline surveys	<ul style="list-style-type: none"> ▪ survey plot for vegetation ▪ line transects ▪ mist netting 	ENV (2012)
BS-4	2016	Barani and Ramba Joring deposits	Development of the Barani & Ramba Joring Amdal Addendum	<ul style="list-style-type: none"> ▪ mist nets ▪ visual observations ▪ nets ▪ electrofisher ▪ water sampling 	Greencap (2016)
BS-5	2017	Tor Uluala deposit	Development of the Tor Uluala Amdal Addendum	<ul style="list-style-type: none"> ▪ rapid observation method for fauna ▪ survey plot for vegetation ▪ line transects 	ESC Environment Indonesia (2017)

BS-6	2020	Footprint of the Tailings Management Facility (TMF) and the Purnama colluvium	Development of the TMF Amdal Addendum	<ul style="list-style-type: none"> ▪ rapid observation method for fauna ▪ nested survey plot for vegetation ▪ line transects ▪ camera traps 	PT Triharmoni Anugerah Sejahtera (2017)
GW-1	April 2021	Ground observation by Dr. Rondang of Martabe gold mine	Mining and TSF area	<ul style="list-style-type: none"> ▪ general observation of fauna 	Rondang Siregar
PS-1	July-September 2022	TMF area and surrounding	Operational Pre-clearance survey (a part of Land Access Disturbance Request)	<ul style="list-style-type: none"> ▪ rapid observation method for fauna ▪ survey plots for vegetation ▪ line transects 	<ul style="list-style-type: none"> - Pusat Riset Primata (Primate Research Center), Universitas Nasional - Forest Faculty, Universitas Sumatera Utara - PTAR environment team
PS-2	November, 2022	TMF (southern part)	Operational Pre-clearance survey (a part of Land Access Disturbance Request, for orangutans)	<ul style="list-style-type: none"> ▪ line transects ▪ Visual encounter survey (side roads, river bank) 	<ul style="list-style-type: none"> - Pusat Riset Primata (Primate Research Center), Universitas Nasional - PTAR environment team