

March 2018

# SABAJO PROJECT

## ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT

### Section 8 Maps

Report No. 1669326-7000

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# Environmental and Social Impact Assessment

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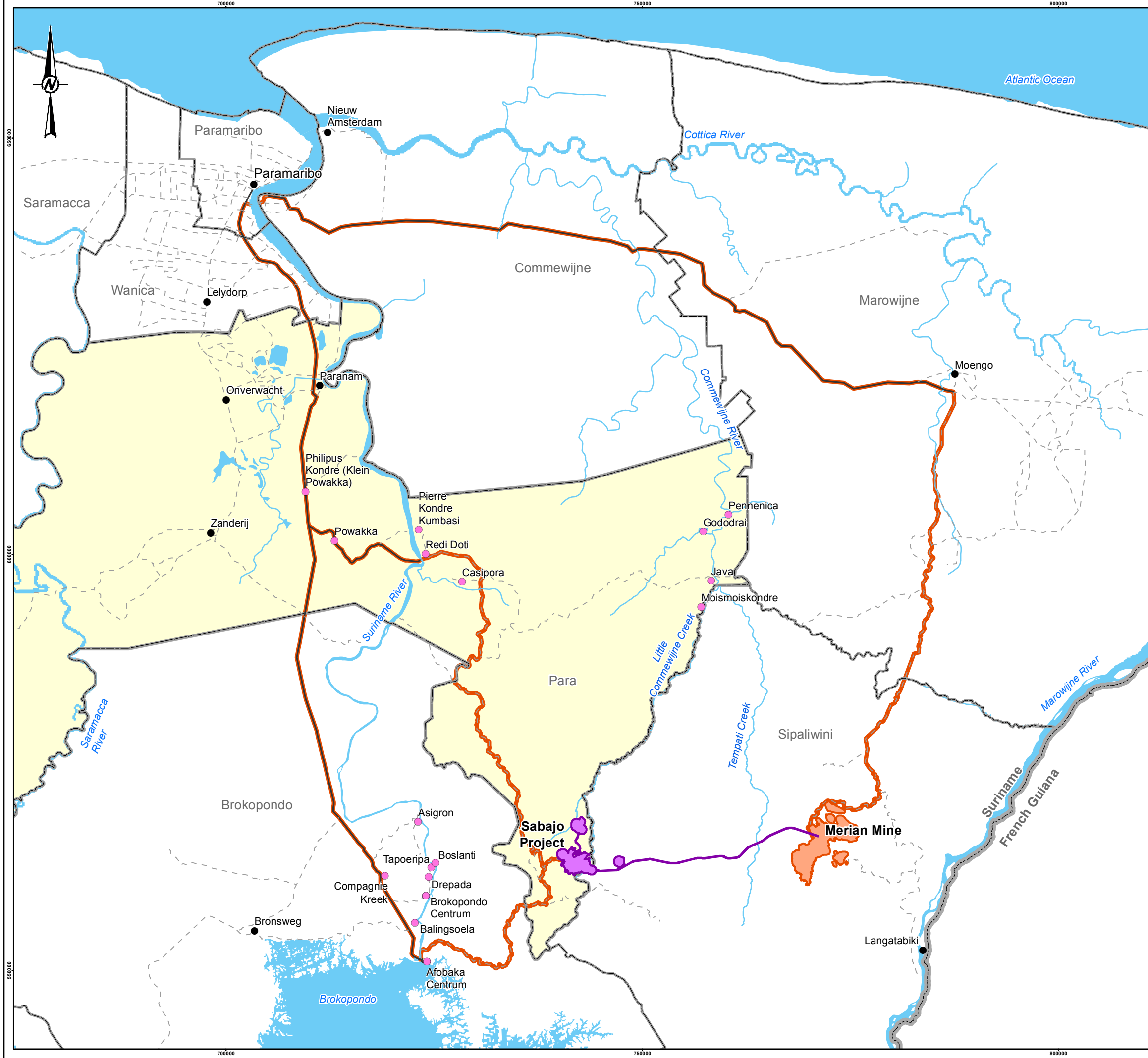
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# Environmental and Social Impact Assessment

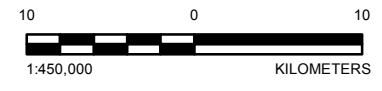
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- LEGEND**
- STUDY AREA COMMUNITY
  - OTHER COMMUNITY
  - DISTRICT BOUNDARY
  - INTERNATIONAL BOUNDARY
  - PAVED ROAD
  - - - UNPAVED ROAD
  - WATERCOURSE
  - WATERBODY
  - POTENTIAL PROJECT ACCESS ROUTES
  - SABAJO PROJECT PHYSICAL IMPACT AREA
  - MERIAN MINE EXISTING AND APPROVED FOOTPRINT
  - ▭ PARA DISTRICT



NOTE(S)

REFERENCE(S)  
 BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT.  
 DATUM: WGS84 PROJECTION: UTM ZONE 21

CLIENT  
 NEWMONT SURINAME

PROJECT  
 SABAJO PROJECT ESIA

TITLE  
 SABAJO PROJECT LOCATION

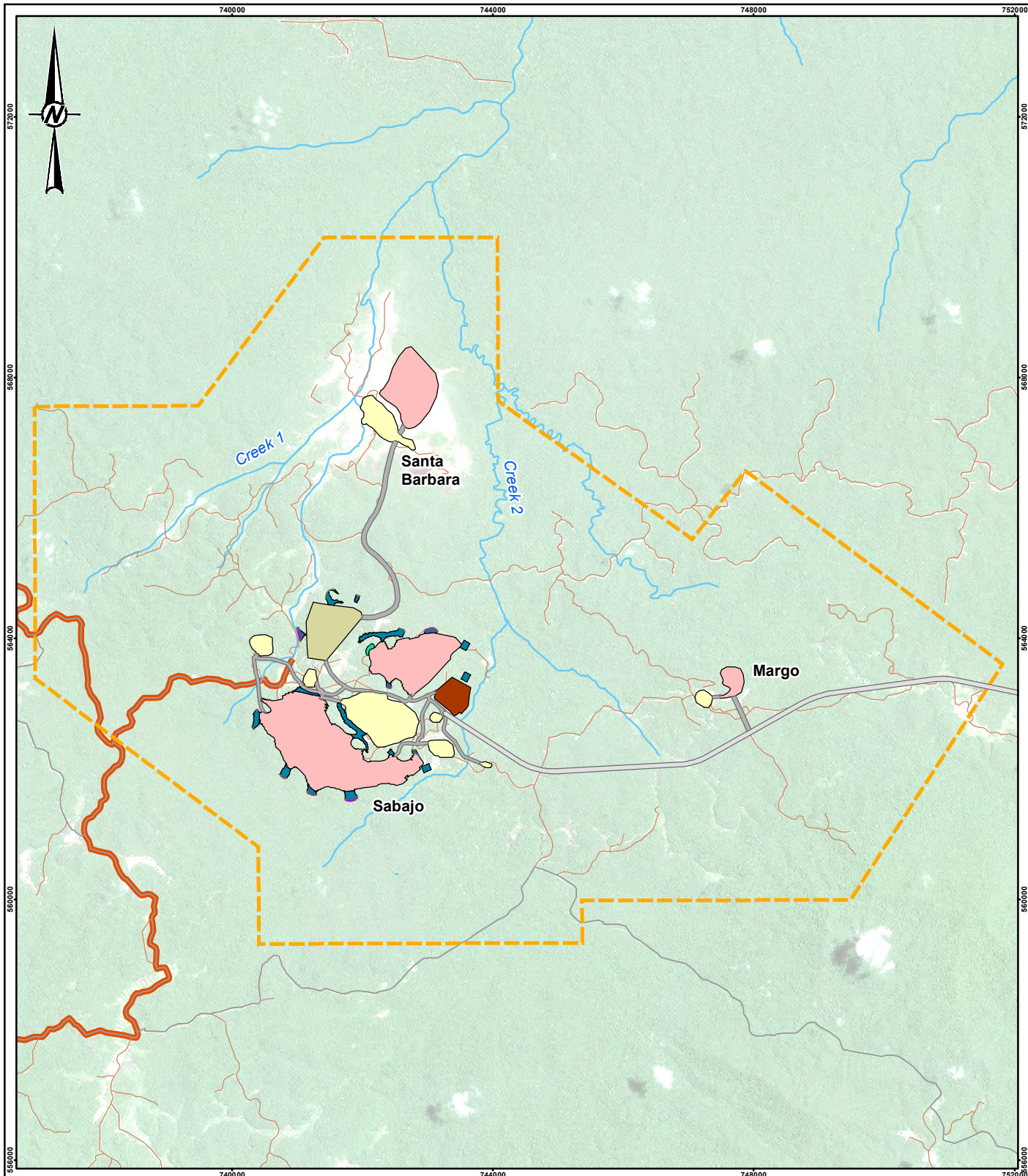
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	APPROVED	GJ

PROJECT NO. 1669326 CONTROL REV. 0 MAP 1-1

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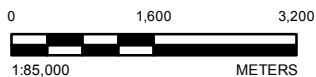


**LEGEND**

- ROAD
- LOCAL ROAD
- WATERCOURSE
- WATERBODY
- POTENTIAL PROJECT ACCESS ROAD
- EXPLOITATION CONCESSION BOUNDARY

**PROJECT FOOTPRINT**

- PIT
- STOCKPILE
- WASTE ROCK STORAGE FACILITY
- SURFACE FACILITIES
- LANDFILL
- ROAD
- MERIAN TRANSPORT CORRIDOR
- WATER MANAGEMENT BERM
- WATER MANAGEMENT POND



**REFERENCE(S)**

BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. IMAGERY OBTAINED FROM COPERNICUS SENTINEL DATA AUGUST 23, 2017.  
 DATUM: WGS84 PROJECTION: UTM ZONE 21

CLIENT  
**NEWMONT SURINAME**

PROJECT  
**SABAJO PROJECT ESIA**

TITLE  
**SABAJO MINE SITE**

CONSULTANT



YYYY-MM-DD 2018-02-27

DESIGNED GJ

PREPARED AL

REVIEWED GJ

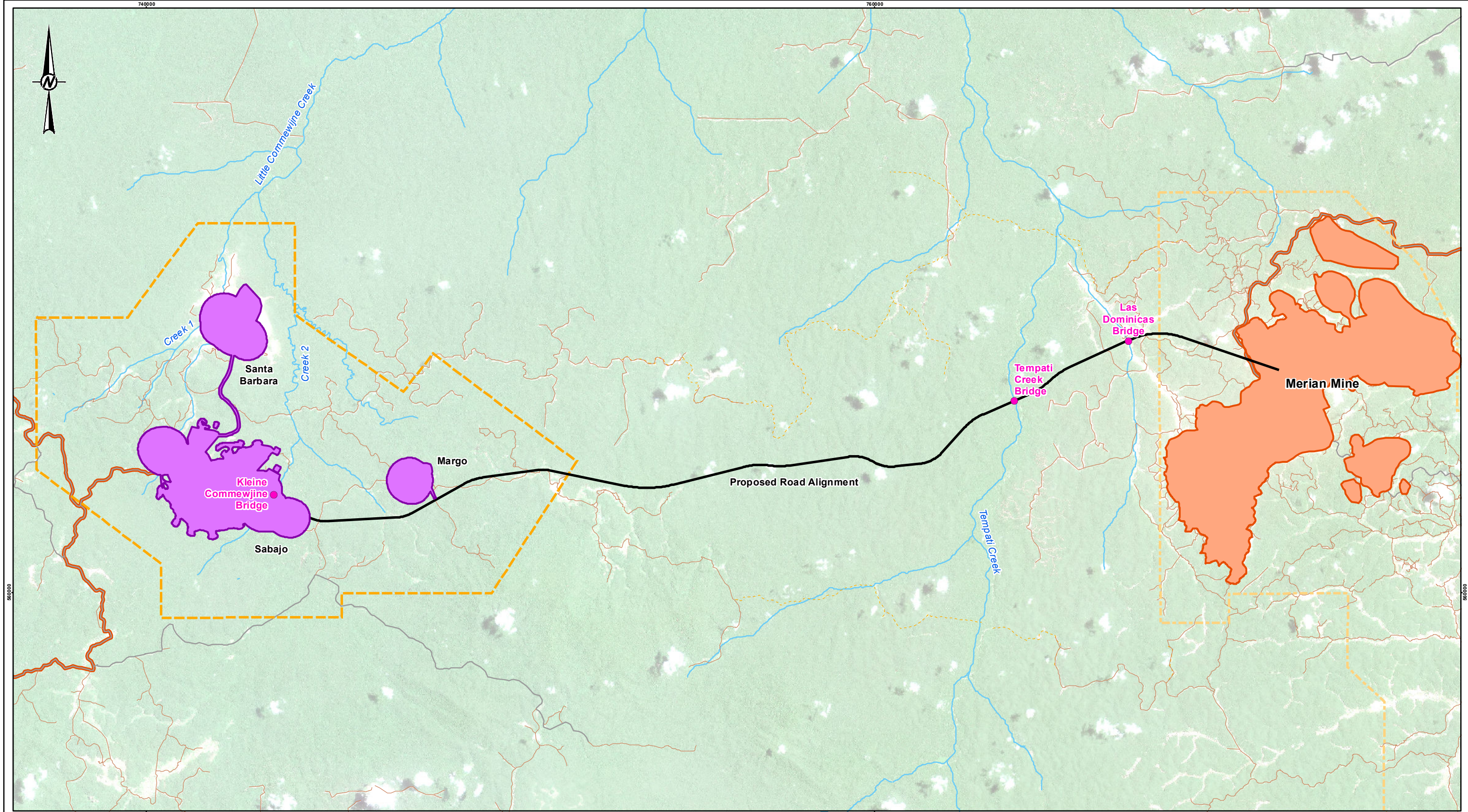
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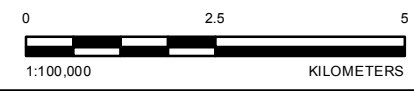
REV.  
**0**

MAP  
**2-1**





- LEGEND**
- ROAD
  - LOCAL ROAD
  - ATV TRAIL
  - WATERCOURSE
  - WATERBODY
  - POTENTIAL PROJECT ACCESS ROAD
  - EXPLOITATION CONCESSION BOUNDARY
  - MERIAN EXPLOITATION BOUNDARY
  - PROJECT PHYSICAL IMPACT AREA
  - MERIAN MINE EXISTING AND APPROVED FOOTPRINT
  - BRIDGE LOCATION
  - SABAJO-MERIAN HAUL ROAD



CLIENT  
NEWMONT SURINAME

**REFERENCE(S)**  
BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. IMAGERY OBTAINED FROM COPERNICUS SENTINEL DATA AUGUST 23, 2017.  
DATUM: WGS84 PROJECTION: UTM ZONE 21

PROJECT  
SABAJO PROJECT ESIA

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	PREPARED	PT
	REVIEWED	GJ
	APPROVED	GJ

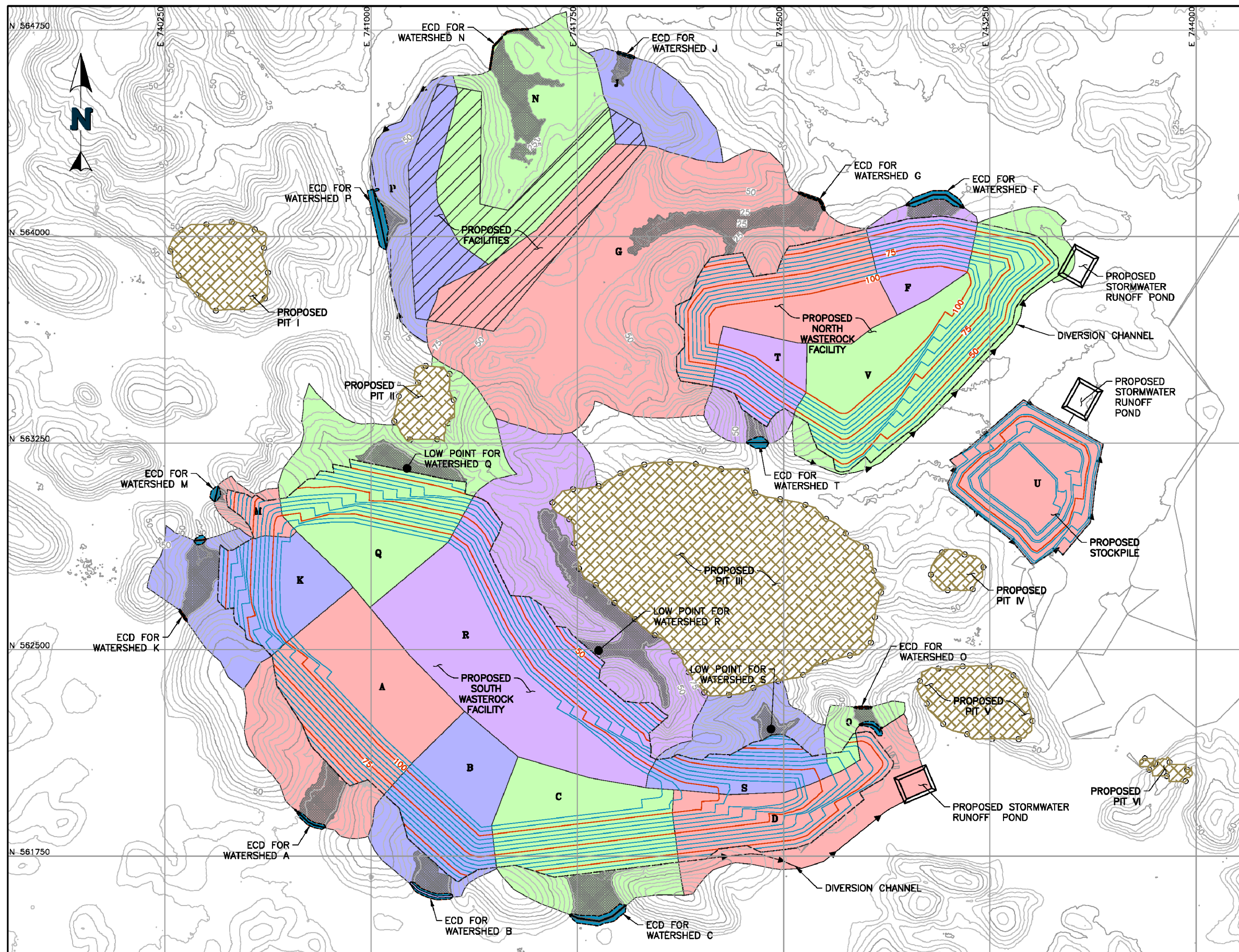
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**SABAJO-MERIAN HAUL ROAD**

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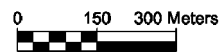
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**LEGEND:**

-  EXISTING GROUND CONTOURS
-  PROPOSED GROUND CONTOURS
-  DIVERSION CHANNEL FLOW DIRECTION
-  SEDIMENT CONTROL BERM
-  LIMITS OF ULTIMATE PITS
-  LIMITS OF WATERSHED
-  APPROXIMATE FOOTPRINT OF 100yr/24hr STORMWATER RUNOFF



**REFERENCE(S)**  
 MAP CONTENT OBTAINED FROM NEWFIELDS TECHNICAL MEMORANDUM:  
 "ALTERNATIVE ANALYSIS FOR THE CONCEPTUAL STORMWATER MANAGEMENT  
 PLAN", SEPTEMBER 29, 2017.

CLIENT  
 NEWMONT SURINAME

PROJECT  
 SABAJO PROJECT ESIA

CONSULTANT



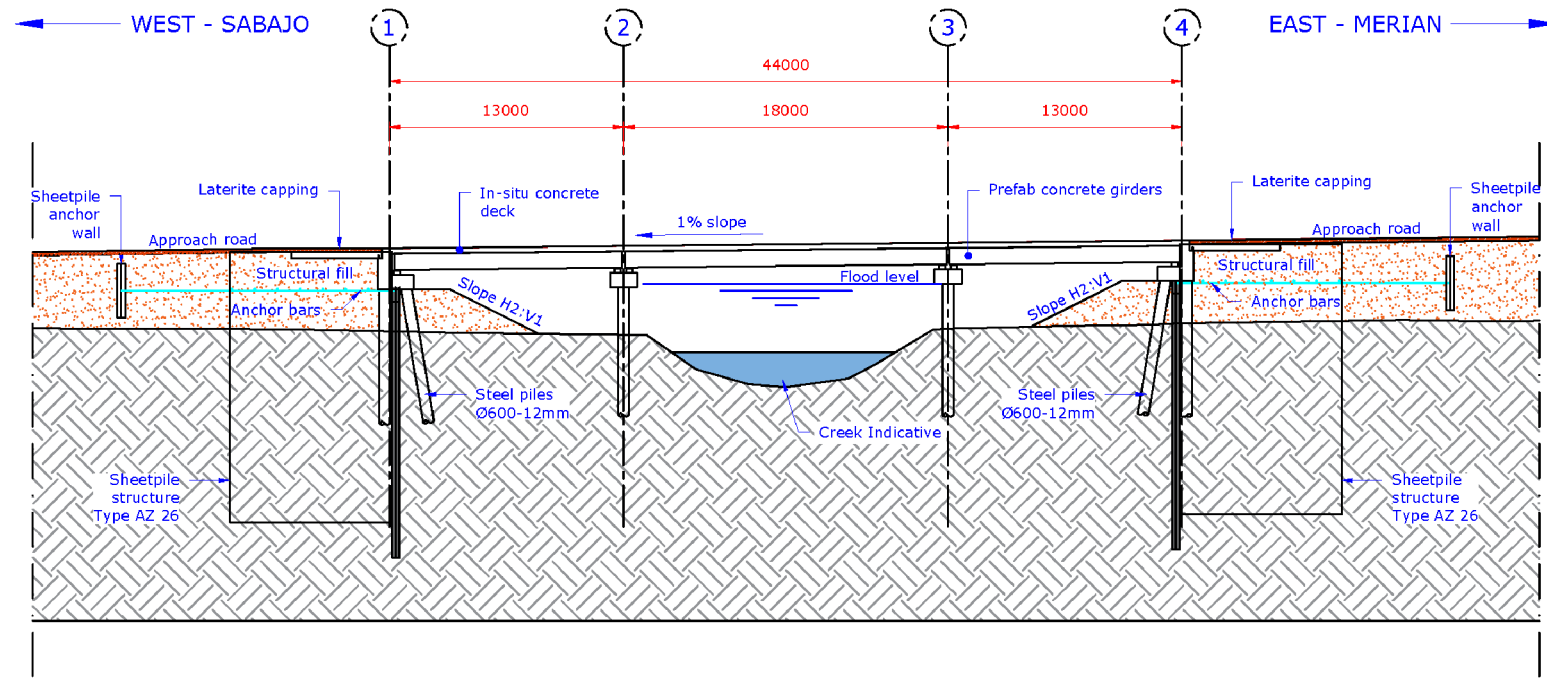
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REVIEWED	GJ
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TITLE  
**MINE SITE WATER MANAGEMENT**

PROJECT NO.	CONTROL	REV.	MAP
1669326		0	2-3



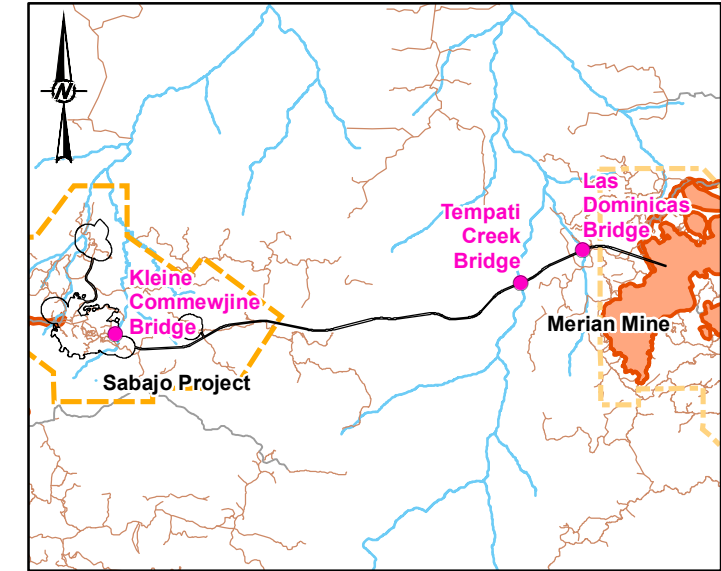
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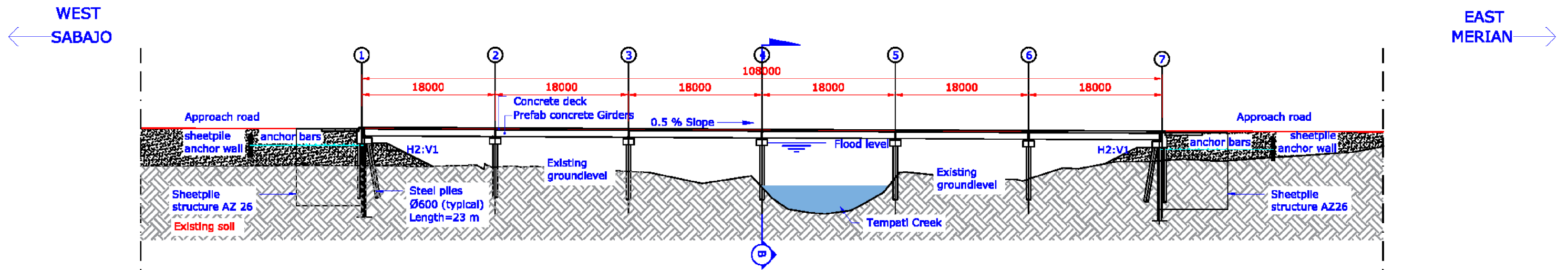
**LEGEND**

- BRIDGE LOCATION
- ROAD
- LOCAL ROAD
- WATERCOURSE
- POTENTIAL PROJECT ACCESS ROAD
- ▭ EXPLOITATION CONCESSION BOUNDARY
- ▭ PROJECT PHYSICAL IMPACT AREA
- ▭ MERIAN EXPLOITATION BOUNDARY
- ▭ MERIAN MINE EXISTING AND APPROVED FOOTPRINT

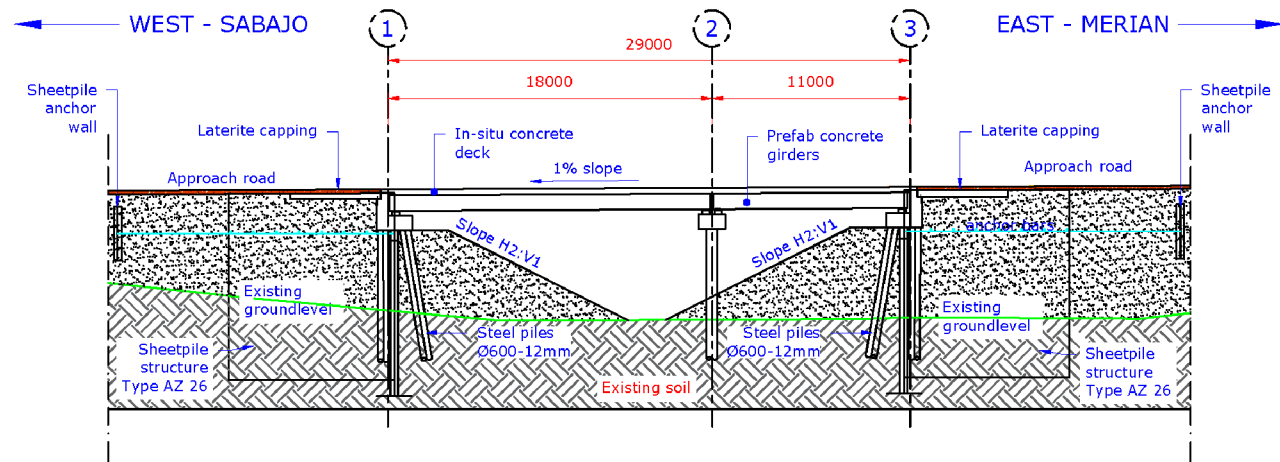
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**TEMPATI CREEK BRIDGE - LONGITUDINAL SECTION**



**LAS DOMINICAS BRIDGE - LONGITUDINAL SECTION**



LOCATION MAP AND PROFILES NOT TO SCALE

REFERENCE(S)  
LONGITUDINAL BRIDGE SECTIONS PROVIDED BY FIRM ENGINEERING, SEPTEMBER 28, 2017.

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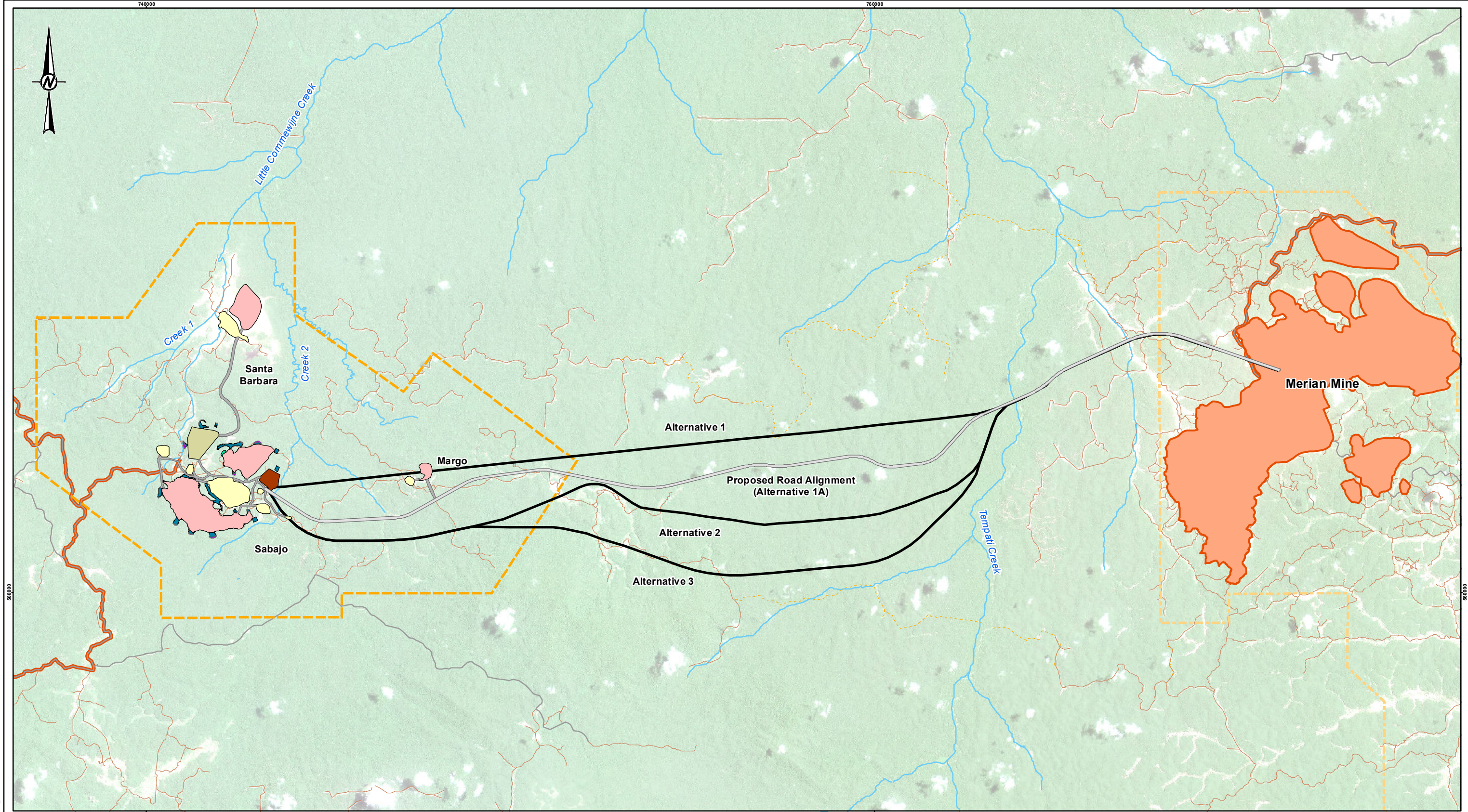
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**SABAJO-MERIAN HAUL ROAD BRIDGE LONGITUDINAL SECTIONS**

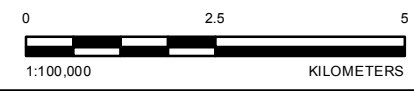
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DESIGNED	GJ	
PREPARED	AL	
REVIEWED	GJ	
APPROVED	GJ	

PROJECT NO. 1669326 CONTROL REV. 0 MAP 2-4





LEGEND	
	ROAD
	LOCAL ROAD
	ATV TRAIL
	WATERCOURSE
	WATERBODY
	POTENTIAL PROJECT ACCESS ROAD
	EXPLOITATION CONCESSION BOUNDARY
	MERIAN EXPLOITATION BOUNDARY
	MERIAN MINE EXISTING AND APPROVED FOOTPRINT
	HAUL ROAD OPTION (1A IS PREFERRED ROUTE)
PROJECT FOOTPRINT	
	PIT
	STOCKPILE
	WASTE ROCK STORAGE FACILITY
	SURFACE FACILITIES
	LANDFILL
	ROAD
	MERIAN TRANSPORT CORRIDOR
	WATER MANAGEMENT BERM
	WATER MANAGEMENT POND



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REFERENCE(S)  
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PROJECT  
SABAJO PROJECT ESIA

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	APPROVED	GJ

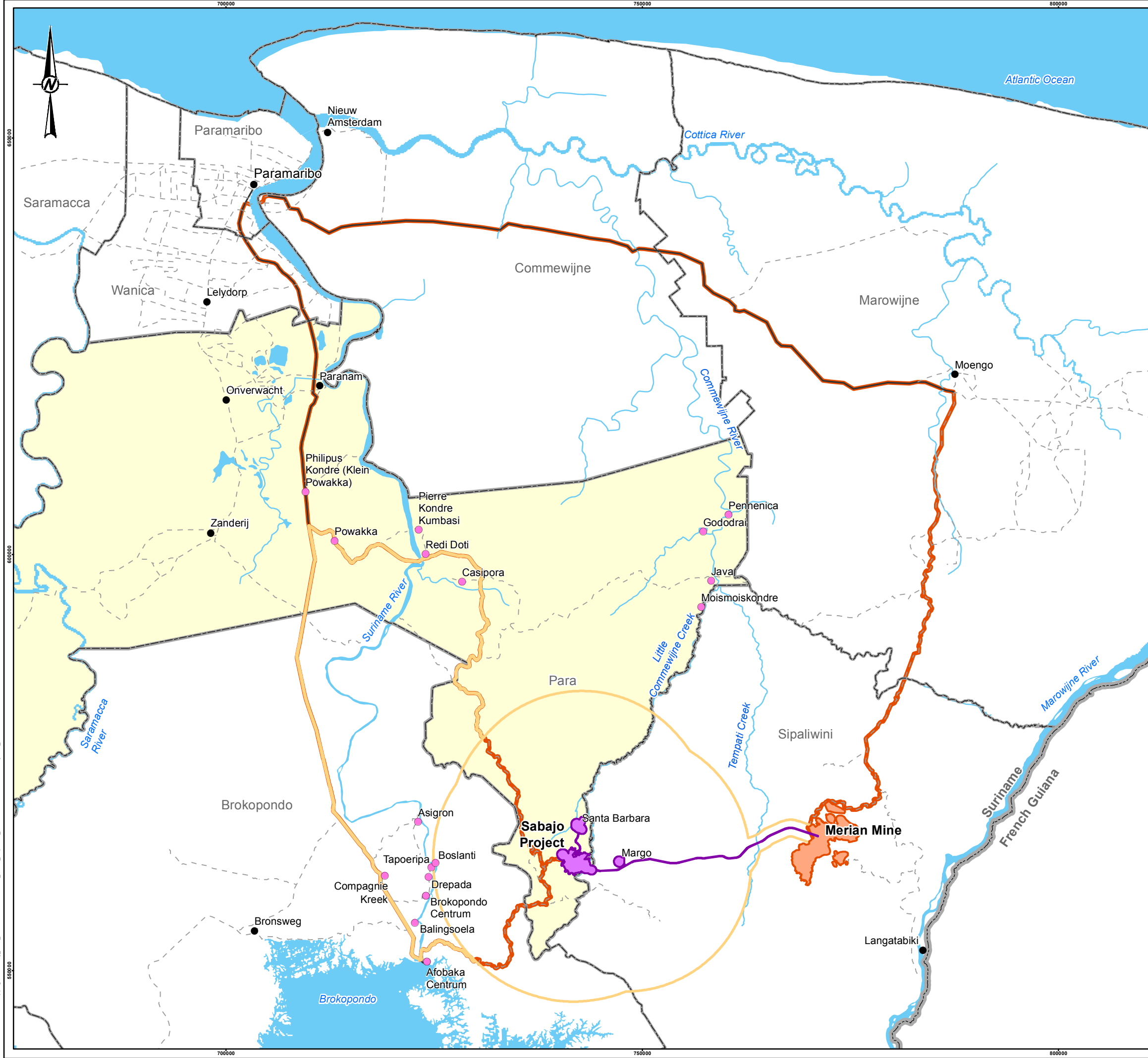
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**OPTIONS FOR SABAJO-MERIAN HAUL ROAD ROUTING**

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- LEGEND**
- STUDY AREA COMMUNITY
  - OTHER COMMUNITY
  - DISTRICT BOUNDARY
  - INTERNATIONAL BOUNDARY
  - PAVED ROAD
  - - - UNPAVED ROAD
  - WATERCOURSE
  - WATERBODY
  - POTENTIAL PROJECT ACCESS ROUTES
  - ▭ SABAJO PROJECT PHYSICAL IMPACT AREA
  - ▭ MERIAN MINE EXISTING AND APPROVED FOOTPRINT
  - ▭ PARA DISTRICT
  - AIR AND NOISE AND TRAFFIC EFFECTS STUDY AREA



**REFERENCE(S)**  
 BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT.  
 DATUM: WGS84 PROJECTION: UTM ZONE 21

CLIENT  
 NEWMONT SURINAME

PROJECT  
 SABAJO PROJECT ESIA

TITLE  
**BASELINE AIR, NOISE AND TRAFFIC STUDY AREA**

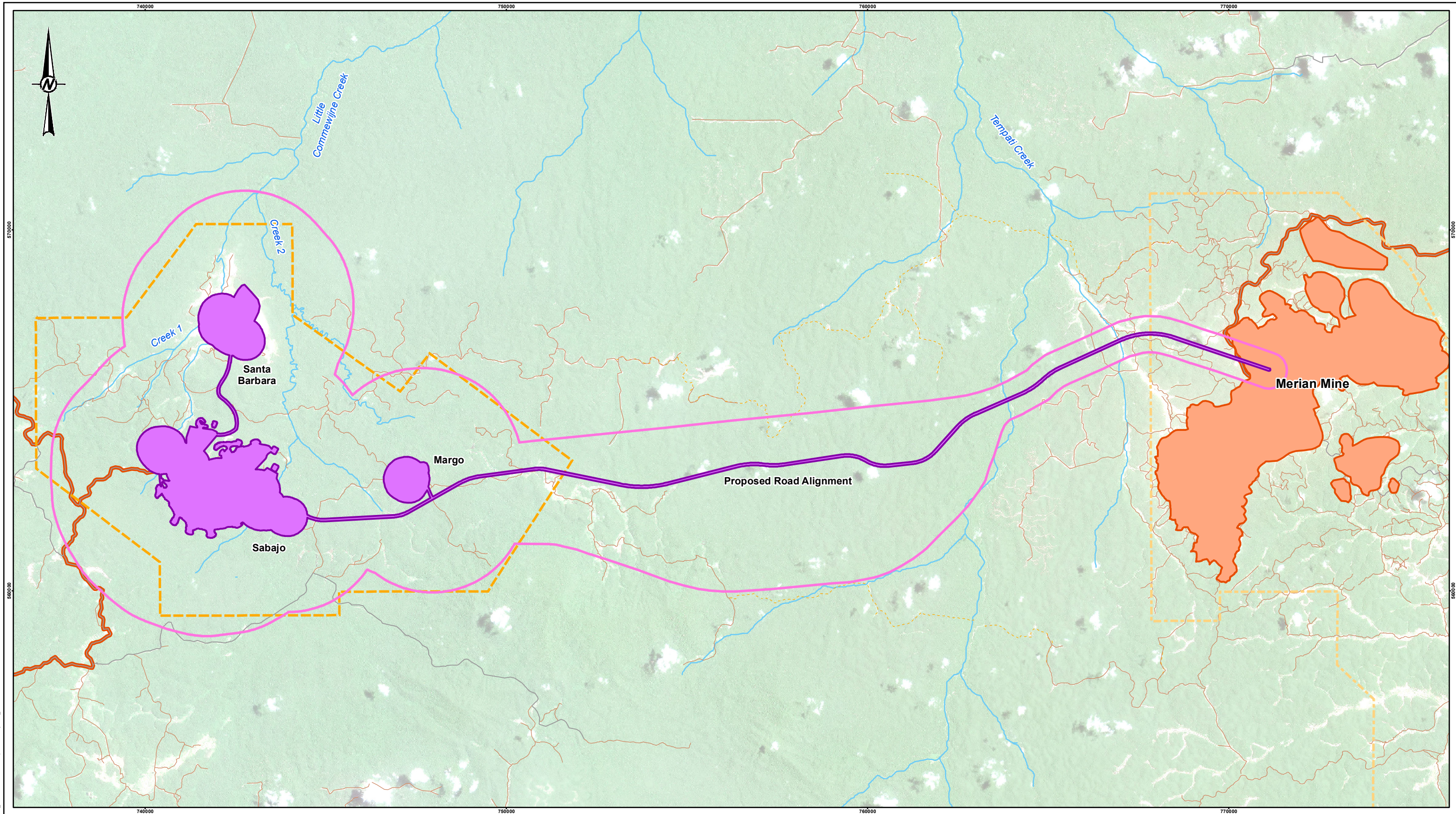
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PROJECT NO. 1669326 CONTROL REV. 0 MAP 4.1-1

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  - LOCAL ROAD
  - ATV TRAIL
  - WATERCOURSE
  - WATERBODY
  - POTENTIAL PROJECT ACCESS ROAD
  - EXPLOITATION CONCESSION BOUNDARY
  - MERIAN EXPLOITATION BOUNDARY
  - SABAJO PROJECT PHYSICAL IMPACT AREA
  - MERIAN MINE EXISTING AND APPROVED FOOTPRINT
  - SABAJO TERRESTRIAL AQUATIC AND PHYSICAL EFFECTS STUDY AREA



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PROJECT  
SABAJO PROJECT ESIA

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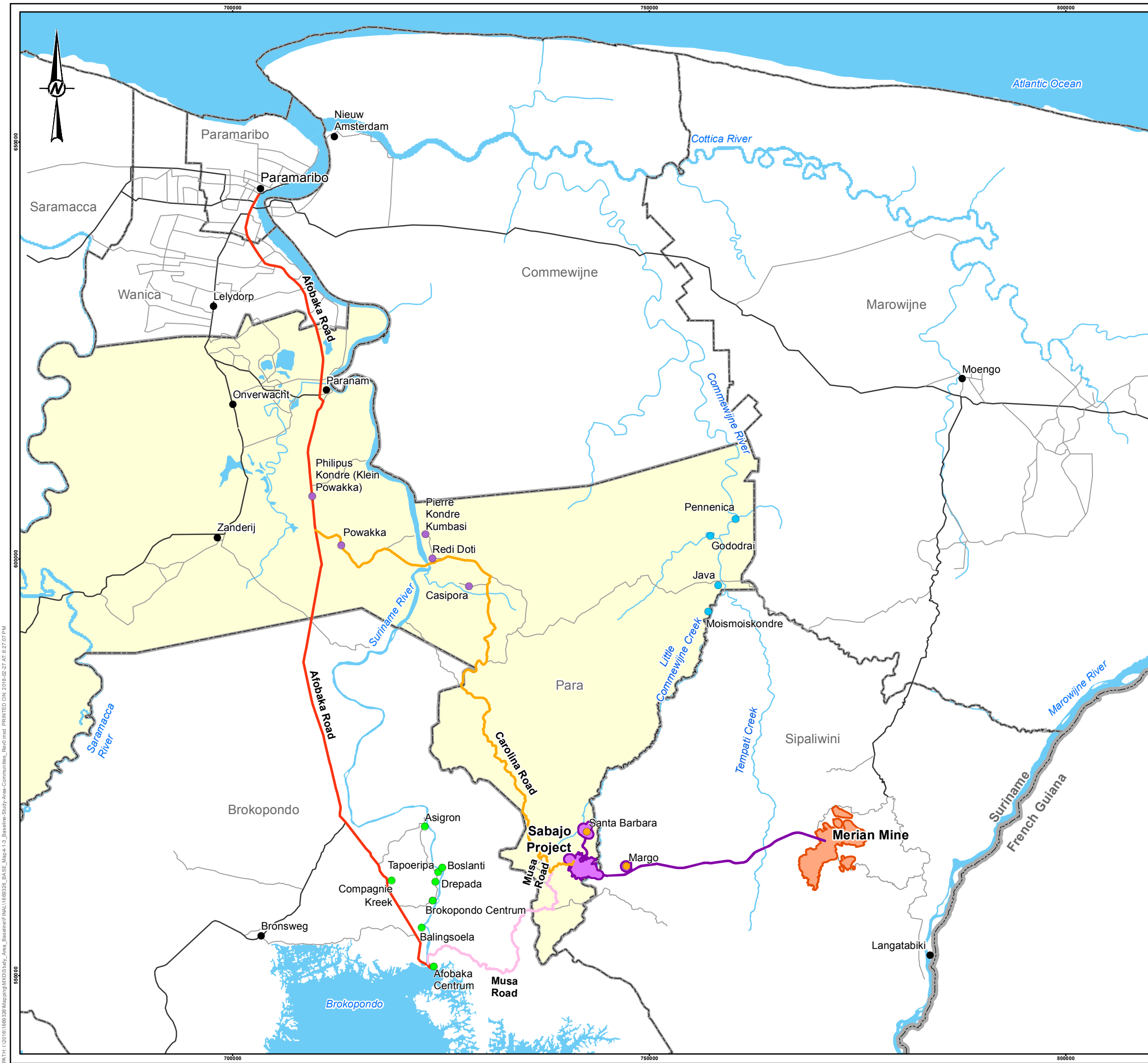
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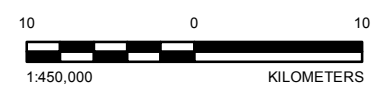
- OTHER COMMUNITY
- DISTRICT BOUNDARY
- INTERNATIONAL BOUNDARY
- PRIMARY HIGHWAY
- ROAD
- WATERCOURSE
- WATERBODY
- ▭ SABAJO PROJECT PHYSICAL IMPACT AREA
- ▭ MERIAN MINE EXISTING AND APPROVED FOOTPRINT
- ▭ PARA DISTRICT

**STUDY AREA COMMUNITIES**

- BROKOPONDO COMMUNITY
- CAROLINA ROAD COMMUNITY
- KAWINA COMMUNITY
- SMALL SCALE MINING COMMUNITY

**STUDY AREA ROADS**

- AFOBAKA ROAD
- CAROLINA ROAD
- MUSA ROAD



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**CLIENT**  
 NEWMONT SURINAME

**PROJECT**  
 SABAJO PROJECT ESIA

**TITLE**  
 BASELINE SOCIAL STUDY AREA COMMUNITIES

CONSULTANT	YYYY-MM-DD	2018-02-27
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	REVIEWED	GJ
	APPROVED	GJ

PROJECT NO. 1669326 CONTROL REV. 0 MAP 4.1-3





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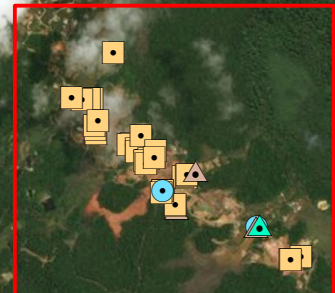
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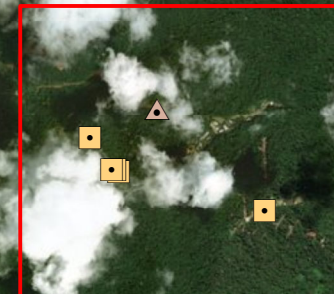


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- LEGEND**
- SAMPLING LOCATION**
-  FISH
  -  SEDIMENT
  -  SOIL
  -  SURFACE WATER



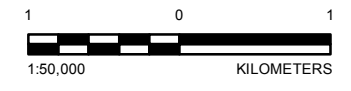
see Map 4.2-2



see Map 4.2-4



see Map 4.2-3



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CLIENT  
 NEWMONT SURINAME

PROJECT  
 SABAJO PROJECT ESIA

TITLE  
**SOIL, SEDIMENT, SURFACE WATER AND FISH SAMPLING LOCATIONS  
 SANTA BARBARA AND MARGO ENVIRONMENTAL LIABILITY ASSESSMENT**

CONSULTANT	YYYY-MM-DD	2018-02-27
	DESIGNED	GJ
	PREPARED	AL
	REVIEWED	GJ
	APPROVED	GJ

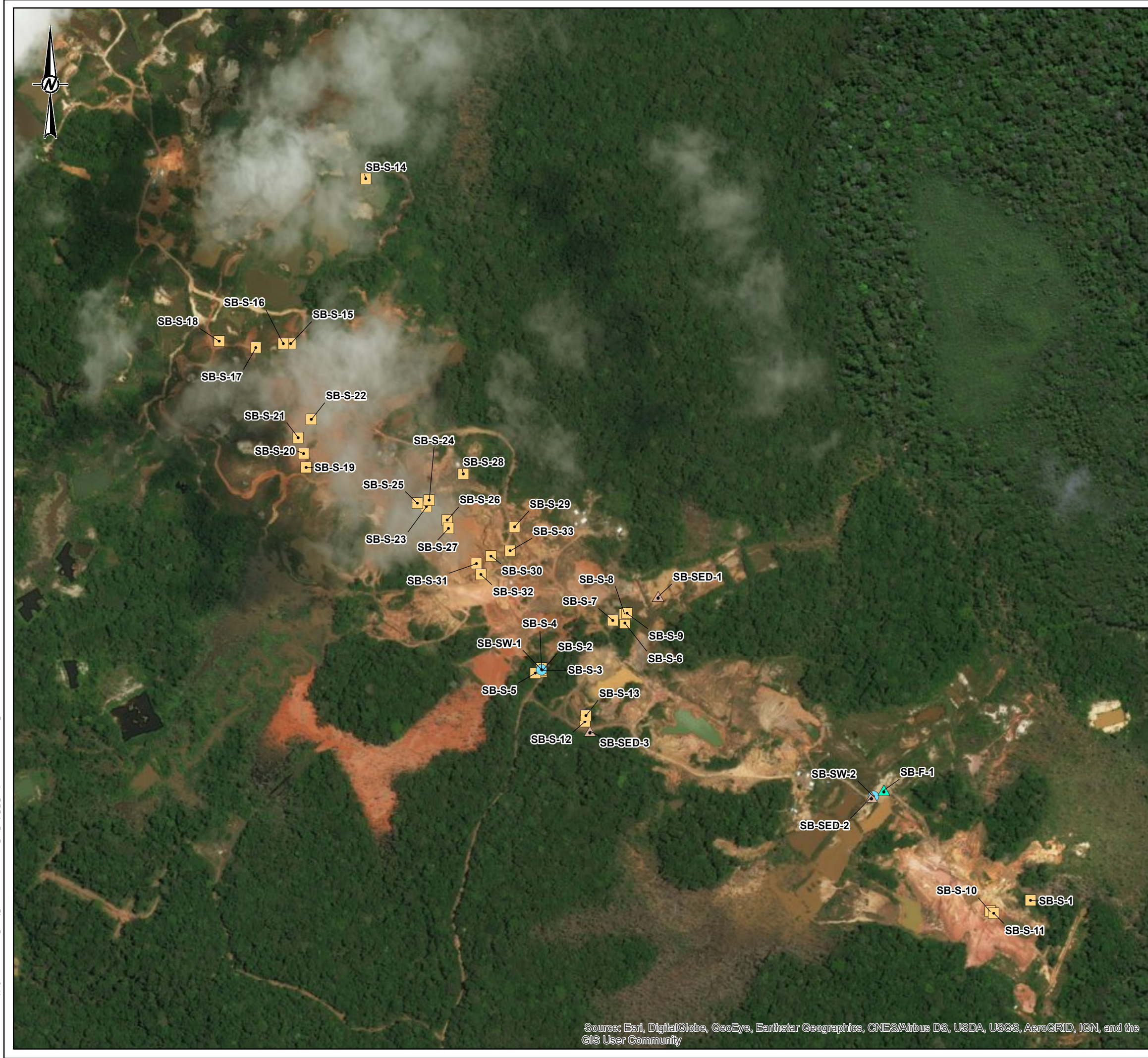
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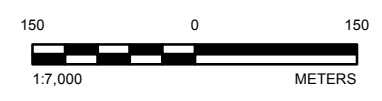
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- LEGEND**
- SAMPLING LOCATION**
-  FISH
  -  SEDIMENT
  -  SOIL
  -  SURFACE WATER




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CLIENT  
 NEWMONT SURINAME

PROJECT  
 SABAJO PROJECT ESIA

TITLE  
**SAMPLE LOCATIONS SANTA BARBARA**

CONSULTANT	YYYY-MM-DD	2018-02-27
	DESIGNED	GJ
	PREPARED	AL
	REVIEWED	GJ
	APPROVED	GJ

PROJECT NO.	CONTROL	REV.	MAP
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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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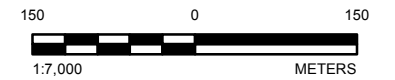
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- LEGEND**
- SAMPLING LOCATION**
-  FISH
  -  SEDIMENT
  -  SOIL
  -  SURFACE WATER

MAR-S-3  
MAR-S-2  
MAR-SED-2  
MAR-SW-2  
MAR-S-1  
MAR-S-5  
MAR-S-6  
MAR-S-4  
MAR-SW-1  
MAR-SED-1



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CLIENT  
 NEWMONT SURINAME

PROJECT  
 SABAJO PROJECT ESIA

TITLE  
 SAMPLE LOCATIONS MARGO

CONSULTANT	YYYY-MM-DD	2018-02-27
DESIGNED	GJ	
PREPARED	AL	
REVIEWED	GJ	
APPROVED	GJ	







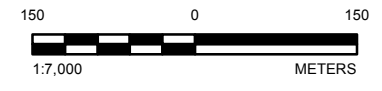
PROJECT NO. 1669326 CONTROL REV. 0 MAP 4.2-3

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community





- LEGEND**
- SAMPLING LOCATION**
-  FISH
  -  SEDIMENT
  -  SOIL
  -  SURFACE WATER




**REFERENCE(S)**  
 BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. IMAGERY OBTAINED FROM ESRI IMAGERY WEB SERVICE. IMAGERY COPYRIGHT © 20180216 ESRI AND ITS LICENSORS. USED UNDER LICENSE, ALL RIGHTS RESERVED.  
 DATUM: WGS84 PROJECTION: UTM ZONE 21

CLIENT  
 NEWMONT SURINAME

PROJECT  
 SABAJO PROJECT ESIA

TITLE  
 SAMPLE LOCATIONS CASADOR PIT

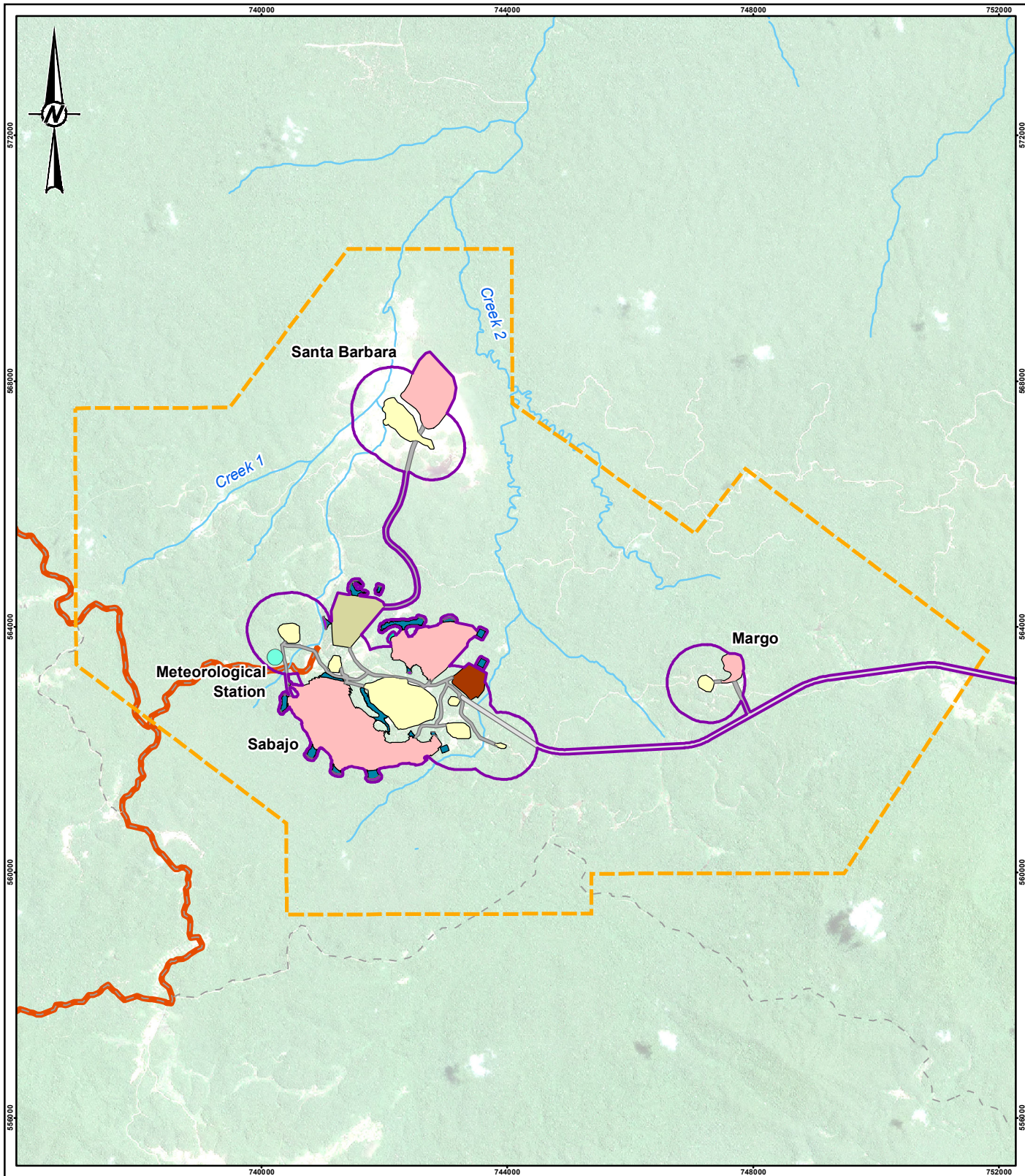
CONSULTANT	YYYY-MM-DD	2018-02-27
	DESIGNED	GJ
	PREPARED	AL
	REVIEWED	GJ
	APPROVED	GJ

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

PTH:1:20180227:Mappping\MODE\Environment\Lab\ity\_Assessment\FINAL\1669326\_EIA\_Map\_2\_4\_SampleLocations-Casador\_Rev0.mxd PRINTED ON: 2018-02-27 AT 6:28:38 PM

28mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANS/B



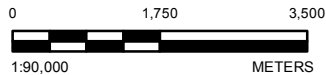


**LEGEND**

- PAVED ROAD
- - UNPAVED ROAD
- WATERCOURSE
- WATERBODY
- POTENTIAL PROJECT ACCESS ROAD
- EXPLOITATION CONCESSION BOUNDARY
- PROJECT PHYSICAL IMPACT AREA
- METEOROLOGICAL STATION

**PROJECT FOOTPRINT**

- PIT
- STOCKPILE
- WASTE ROCK STORAGE FACILITY
- SURFACE FACILITIES
- LANDFILL
- ROAD
- MERIAN TRANSPORT CORRIDOR
- WATER MANAGEMENT BERM
- WATER MANAGEMENT POND



**REFERENCE(S)**

BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. IMAGERY OBTAINED FROM COPERNICUS SENTINEL DATA AUGUST 23, 2017.  
 DATUM: WGS84 PROJECTION: UTM ZONE 21

CLIENT  
 NEWMONT SURINAME

PROJECT  
 SABAJO PROJECT ESIA

TITLE  
**SABAJO PROJECT SITE AND METEOROLOGICAL STATION LOCATION**

CONSULTANT



YYYY-MM-DD	2018-02-27
DESIGNED	GJ
PREPARED	AL
REVIEWED	GJ
APPROVED	GJ

PROJECT NO. CONTROL  
 1669326

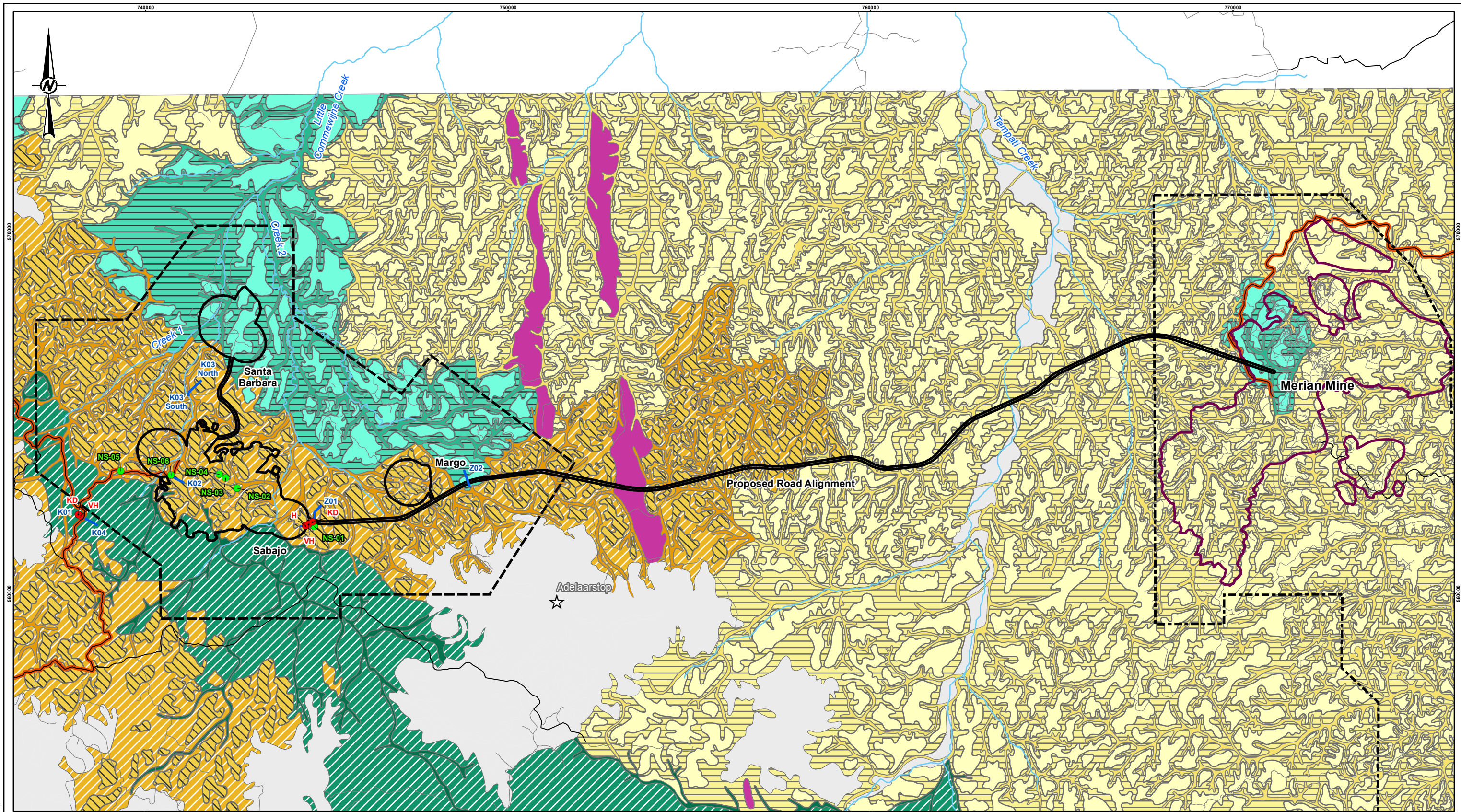
REV.  
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MAP  
 4.3-1

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ISO A4





**LEGEND**

- ☆ MOUNTAIN
- ROAD
- LOCAL ROAD
- WATERCOURSE
- WATERBODY
- DESCRIBED AND SAMPLED SOIL PROFILE
- REFERENCE POLLUTION SAMPLE
- POTENTIAL PROJECT ACCESS ROAD
- SURVEY TRANSECT
- EXPLOITATION CONCESSION BOUNDARY
- MERIAN EXPLOITATION BOUNDARY
- SABAJO PROJECT PHYSICAL IMPACT AREA
- MERIAN MINE EXISTING AND APPROVED FOOTPRINT

**SOIL MAP UNIT**

43 - TIBITI LANDSCAPE UNIT PLATEAU AND HILL TOP	48 - COMPAGNIE LANDSCAPE UNIT VALLEY BOTTOM, FOOTSLOPE AND DEPRESSION	67 - DONDERBARI LANDSCAPE UNIT HILLTOP
44 - TIBITI LANDSCAPE UNIT PLATEAU AND SLOPE	64 - TEMPATI LANDSCAPE UNIT HILLTOP	68 - DONDERBARI LANDSCAPE UNIT SLOPE
46 - TIBITI LANDSCAPE UNIT VALLEY BOTTOM AND FOOTSLOPE	65 - TEMPATI LANDSCAPE UNIT SLOPE	69 - DONDERBARI LANDSCAPE UNIT VALLEY BOTTOM AND FOOTSLOPE
47 - COMPAGNIE LANDSCAPE UNIT PLATEAU AND SLOPE	66 - TEMPATI LANDSCAPE UNIT VALLEY BOTTOM AND FOOTSLOPE	72 - LUCAS LANDSCAPE UNIT RIDGE AND SLOPE
		OTHER

**NOTE(S)**

**REFERENCE(S)**  
 BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. IMAGERY OBTAINED FROM COPERNICUS SENTINEL DATA AUGUST 23, 2017. SOIL MAP UNITS PROVIDED BY ILACO. DATUM: WGS84 PROJECTION: UTM ZONE 21

CLIENT  
**NEWMONT SURINAME**

CONSULTANT  
**GOLDER**

YYYY-MM-DD	2018-02-27
DESIGNED	BL
PREPARED	AL
REVIEWED	GJ
APPROVED	GJ

0 2.5 5  
 1:100,000 KILOMETRES

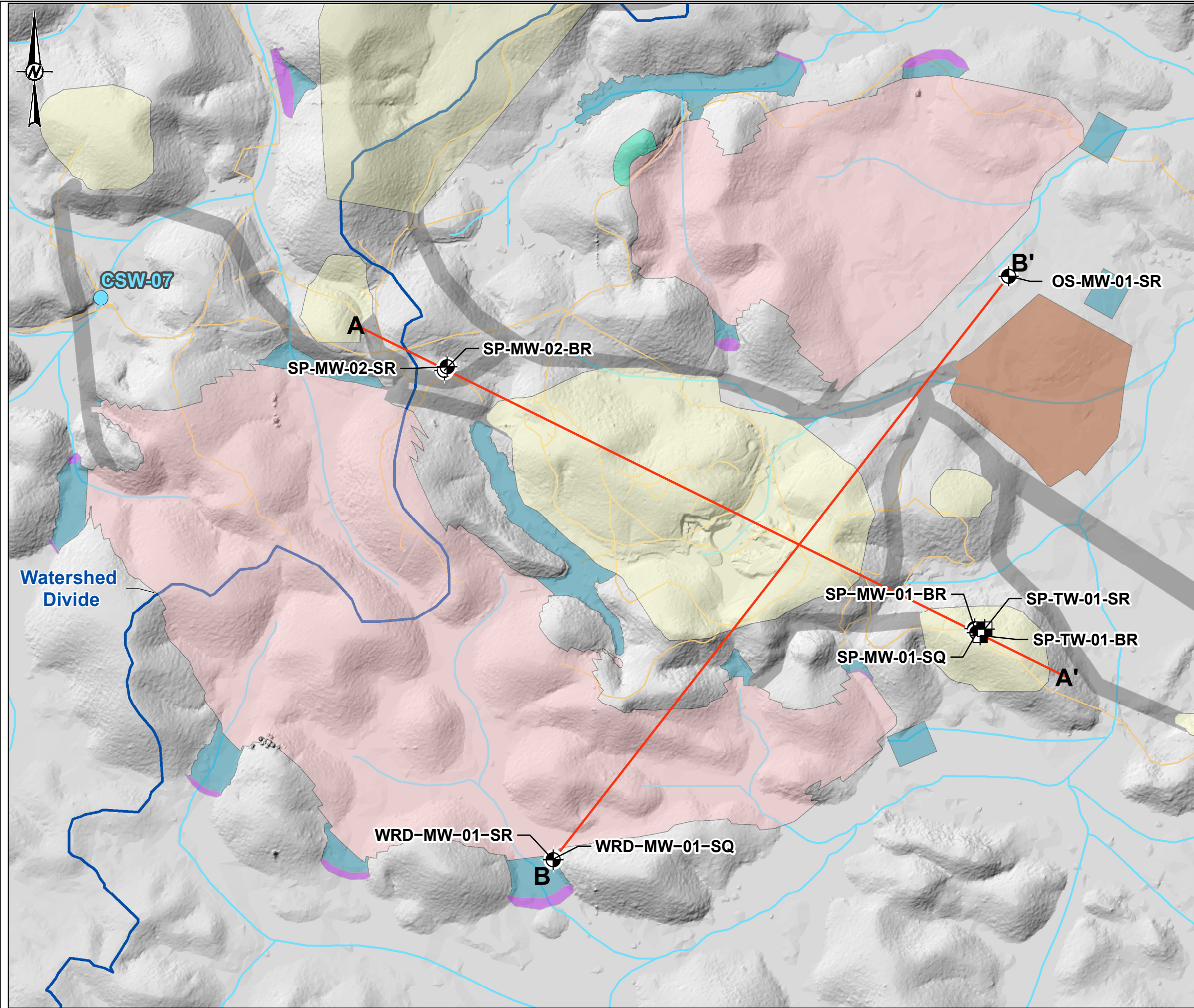
PROJECT  
**SABAJO PROJECT ESIA**

TITLE  
**SOIL MAP UNITS AND SAMPLE LOCATIONS**

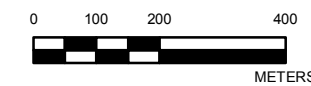
PROJECT NO.	CONTROL	REV.	MAP
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 25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANS B





- LEGEND**
- GEOLOGIC CROSS-SECTION
  - SURFACE WATER MONITORING LOCATION
  - GROUNDWATER MONITORING LOCATION**
  - MONITORING WELL
  - TEST WELL
  - LOCAL WATERSHED
  - LOCAL ROAD
  - WATERCOURSE
  - PROPOSED PROJECT FOOTPRINT**
  - PIT
  - STOCKPILE
  - WASTE ROCK STORAGE FACILITY
  - SURFACE FACILITIES
  - LANDFILL
  - ROAD
  - WATER MANAGEMENT BERM
  - WATER MANAGEMENT POND



**REFERENCE(S)**  
 1. COORDINATE SYSTEM: WGS 1984 UTM ZONE 21N  
 2. BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT

**CLIENT**  
 NEWMONT SURINAME, LLC

**PROJECT**  
 SABAJO PROJECT ESIA

**TITLE**  
 PROJECT AREA GROUNDWATER MONITORING LOCATIONS

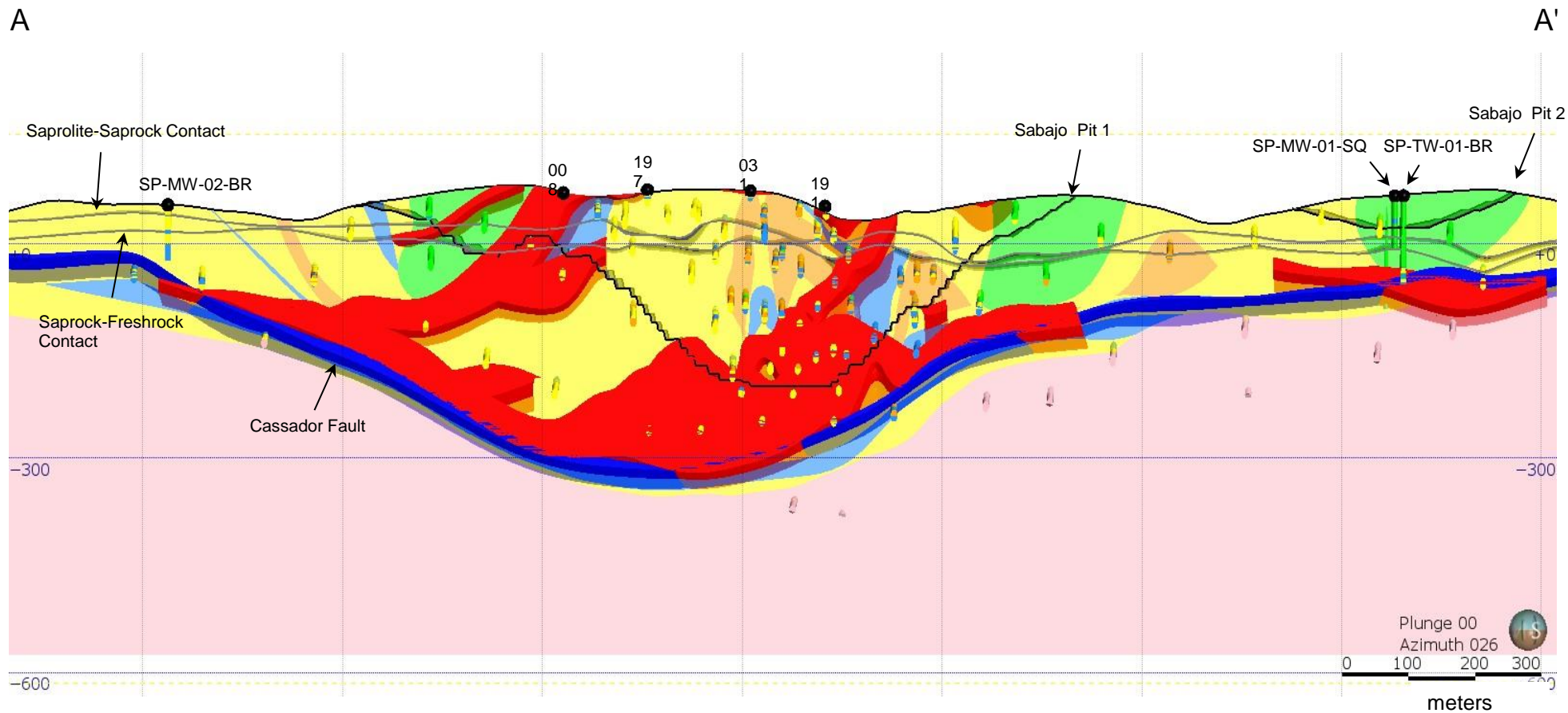
CONSULTANT	YYYY-MM-DD	2018-02-28
	DESIGNED	HJ
	PREPARED	HJ
	REVIEWED	DH
	APPROVED	GJ

PROJECT NO. 1669326	PHASE 5000	REV. 0	MAP 4.6-1
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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANS I





Note: Elevation in meters with respect to mean sea level

LEGEND	
<span style="color: lightblue;">■</span>	Interbedded and Blackshale (IBS) ● Drill Collar
<span style="color: yellow;">■</span>	Greywacke (SGw)
<span style="color: orange;">■</span>	Sedimentary Breccia (BxS)
<span style="color: green;">■</span>	Andesite (AN)
<span style="color: pink;">■</span>	Dacite (DA)
<span style="color: blue;">■</span>	Cassador Fault
<span style="color: red;">■</span>	Ore body

CLIENT  
NEWMONT SURINAME LLC

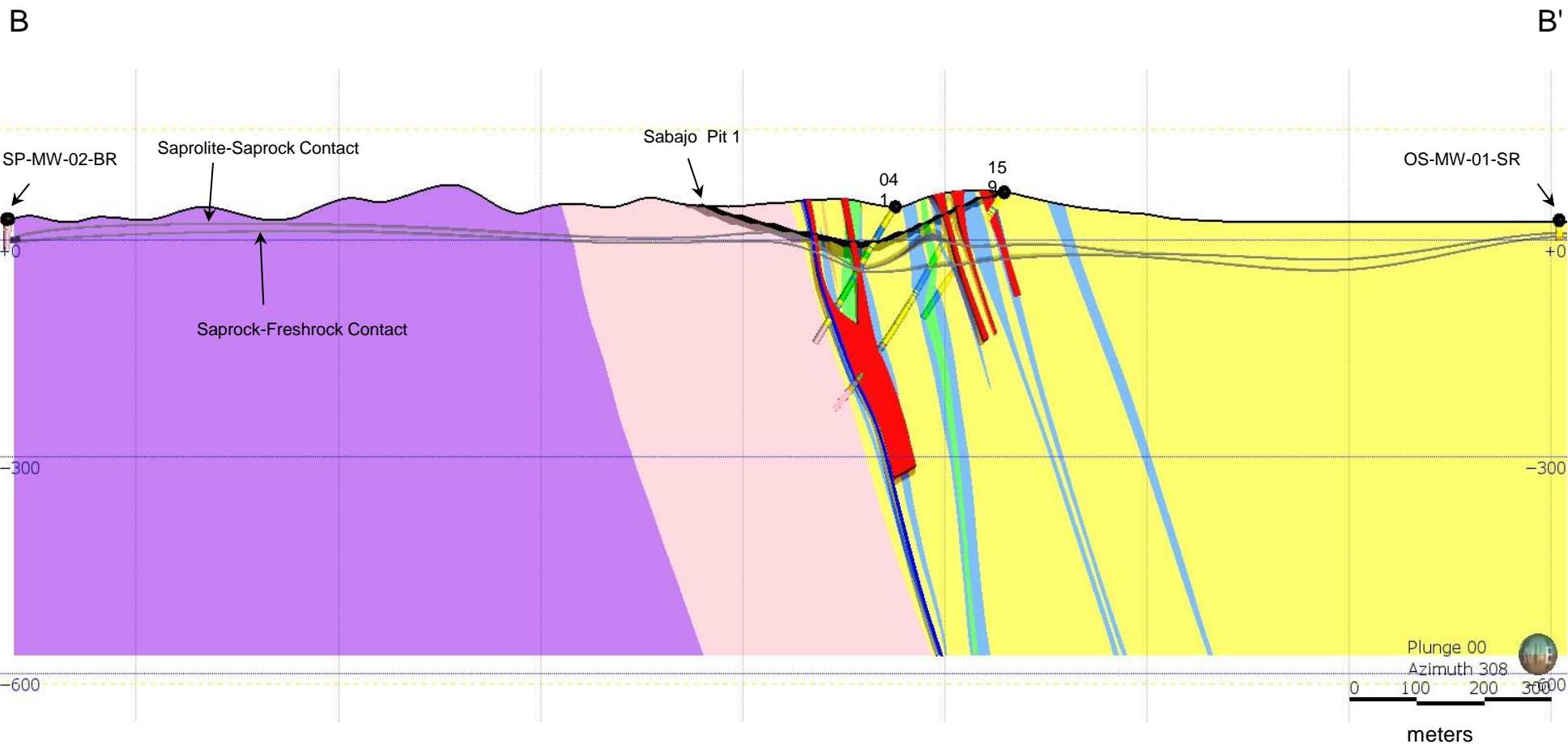
CONSULTANT



PROJECT  
SABAJO PROJECT ESHIA  
HYDROGEOLOGY BASELINE

TITLE  
**GEOLOGIC CROSS-SECTION A - A'**

PROJECT NO.	PHASE	REV.	MAP
1669326	5000	0	4.6-2



Note: Elevation in meters with respect to mean sea level

LEGEND

- Interbedded and Blackshale (IBS)
- Greywacke (SGw)
- Sedimentary Breccia (BxS)
- Andesite (AN)
- Dacite (DA)
- Intermixed Volcanoclastic Sediments
- Cassador Fault
- Ore body
- Drill Collar

CLIENT  
NEWMONT SURINAME LLC

CONSULTANT

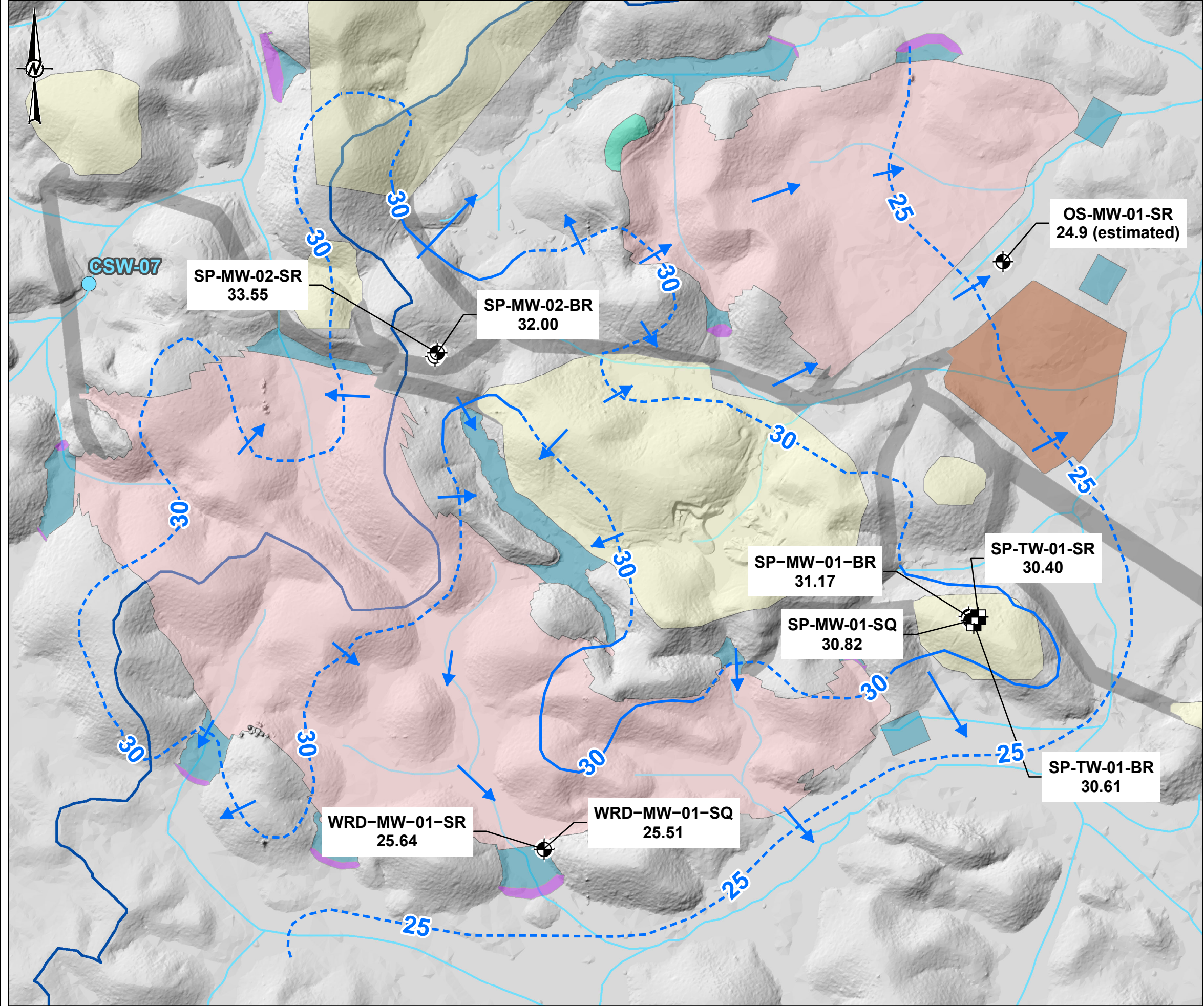


PROJECT  
SABAJO PROJECT ESHIA  
HYDROGEOLOGY BASELINE

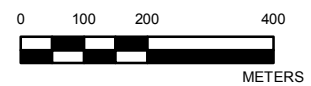
TITLE  
**GEOLOGIC CROSS-SECTION B - B'**

PROJECT NO. 1669326	PHASE 5000	REV. 0	MAP <b>4.6-3</b>
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- LEGEND**
- SURFACE WATER MONITORING LOCATION
  - GROUNDWATER CONTOUR ELEVATION (M AMSL)
  - - - INFERRED GROUNDWATER CONTOUR ELEVATION (M AMSL)
  - ➔ GROUNDWATER DIRECTIONAL ARROW
- GROUNDWATER MONITORING LOCATION**
- WATER LEVELS (M AMSL) AUGUST 2017
- MONITORING WELL
  - TEST WELL
- LOCAL WATERSHED**
- LOCAL WATERSHED
  - WATERCOURSE
- PROPOSED PROJECT FOOTPRINT**
- PIT
  - STOCKPILE
  - WASTE ROCK STORAGE FACILITY
  - SURFACE FACILITIES
  - LANDFILL
  - ROAD
  - WATER MANAGEMENT BERM
  - WATER MANAGEMENT POND



**REFERENCE(S)**

1. COORDINATE SYSTEM: WGS 1984 UTM ZONE 21N
2. BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT

**CLIENT**  
NEWMONT SURINAME, LLC

**PROJECT**  
SABAJO PROJECT ESIA

**TITLE**  
PROJECT AREA GROUNDWATER ELEVATIONS – AUGUST 2017

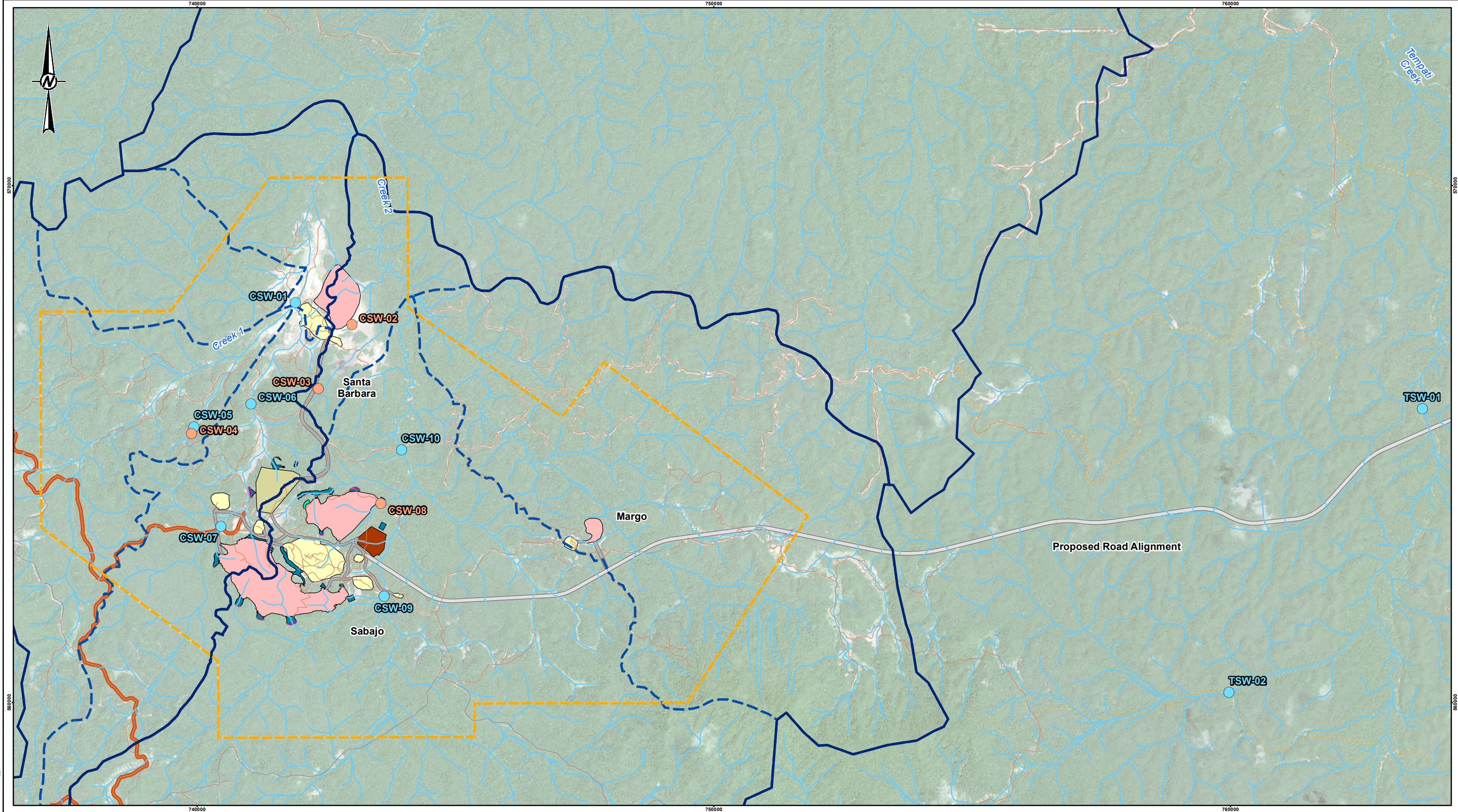
CONSULTANT	YYYY-MM-DD	2018-02-28
<b>GOLDER</b>	DESIGNED	HJ
	PREPARED	HJ
	REVIEWED	DH
	APPROVED	GJ

PROJECT NO. 1669326	PHASE 5000	REV. 0	MAP 4.6-4
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1in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B





LEGEND	
	ROAD
	LOCAL ROAD
	ATV TRAIL
	WATERCOURSE
	WATERBODY
	POTENTIAL PROJECT ACCESS
	EXPLOITATION CONCESSION BOUNDARY
	MERIAN MINE EXISTING AND APPROVED FOOTPRINT
	PIT
	STOCKPILE
	WASTE ROCK STORAGE FACILITY
	SURFACE FACILITIES
	LANDFILL
	ROAD
	MERIAN TRANSPORT CORRIDOR
	WATER MANAGEMENT BERM
	WATER MANAGEMENT POND
	ACTIVE
	INACTIVE
	DRAINAGE BOUNDARY
	SUB-BASIN BOUNDARY



CLIENT  
NEWMONT SURINAME

REFERENCE(S)  
BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. IMAGERY OBTAINED FROM COPERNICUS SENTINEL DATA NOVEMBER 1, 2016.  
DATUM: WGS84 PROJECTION: UTM ZONE 21

PROJECT  
SABAJO PROJECT ESIA

CONSULTANT	YYYY-MM-DD	2018-02-27
	DESIGNED	GJ
	PREPARED	AL
	REVIEWED	GJ
	APPROVED	GJ

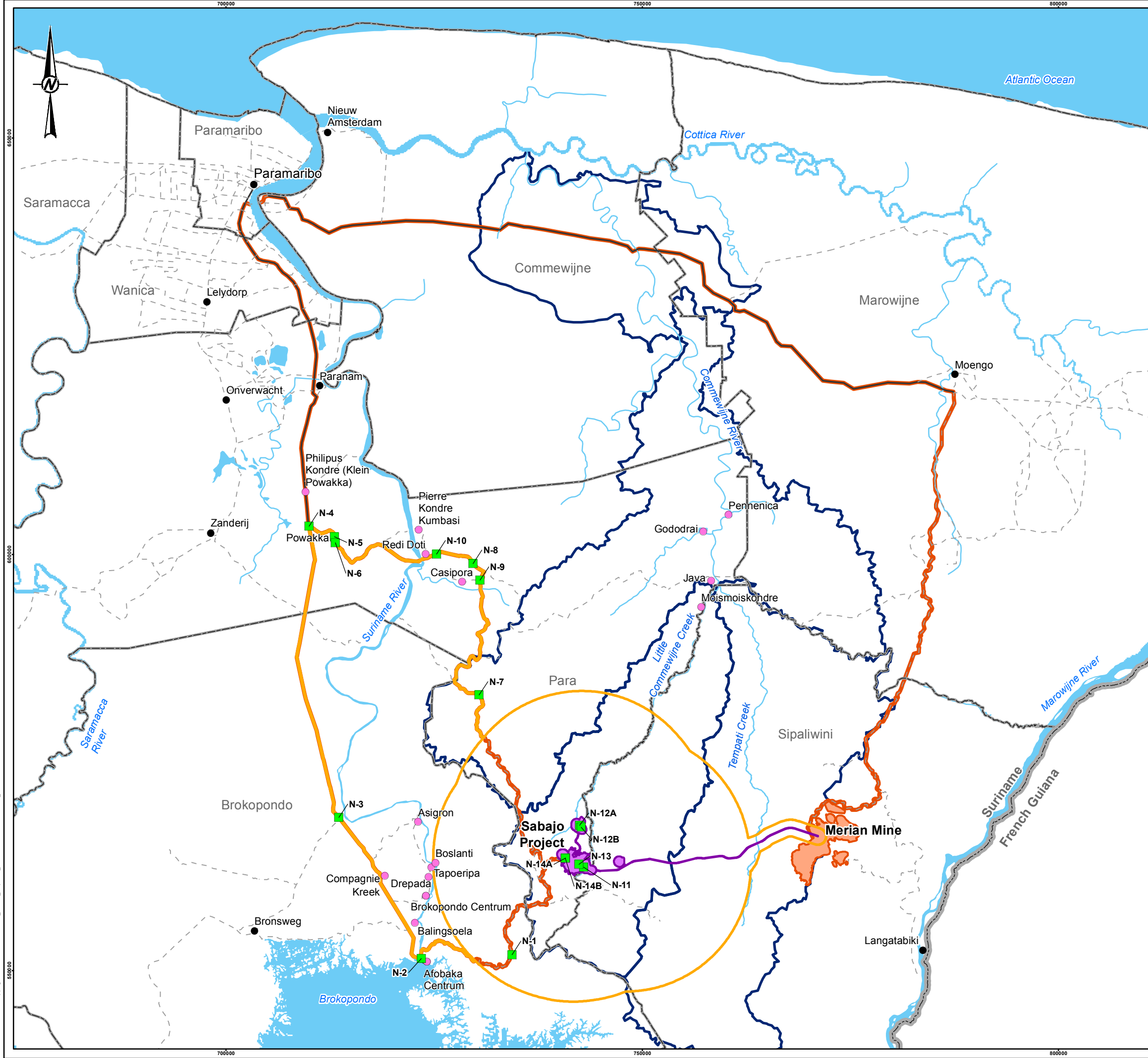
TITLE  
**SURFACE WATER MONITORING LOCATIONS**

PROJECT NO.	CONTROL	REV.	MAP
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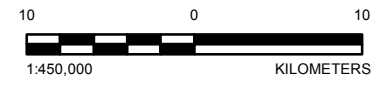
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25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSIB





- LEGEND**
- STUDY AREA COMMUNITY
  - OTHER COMMUNITY
  - DISTRICT BOUNDARY
  - INTERNATIONAL BOUNDARY
  - PAVED ROAD
  - - - UNPAVED ROAD
  - WATERCOURSE
  - WATERBODY
  - POTENTIAL PROJECT ACCESS ROUTES
  - SABAJO PROJECT PHYSICAL IMPACT AREA
  - MERIAN MINE EXISTING AND APPROVED FOOTPRINT
  - NOISE MEASUREMENT LOCATION
  - AIR AND NOISE EFFECTS STUDY AREA
  - REGIONAL WATERSHED



**REFERENCE(S)**  
 BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT.  
 DATUM: WGS84 PROJECTION: UTM ZONE 21

**CLIENT**  
 NEWMONT SURINAME

**PROJECT**  
 SABAJO PROJECT ESIA

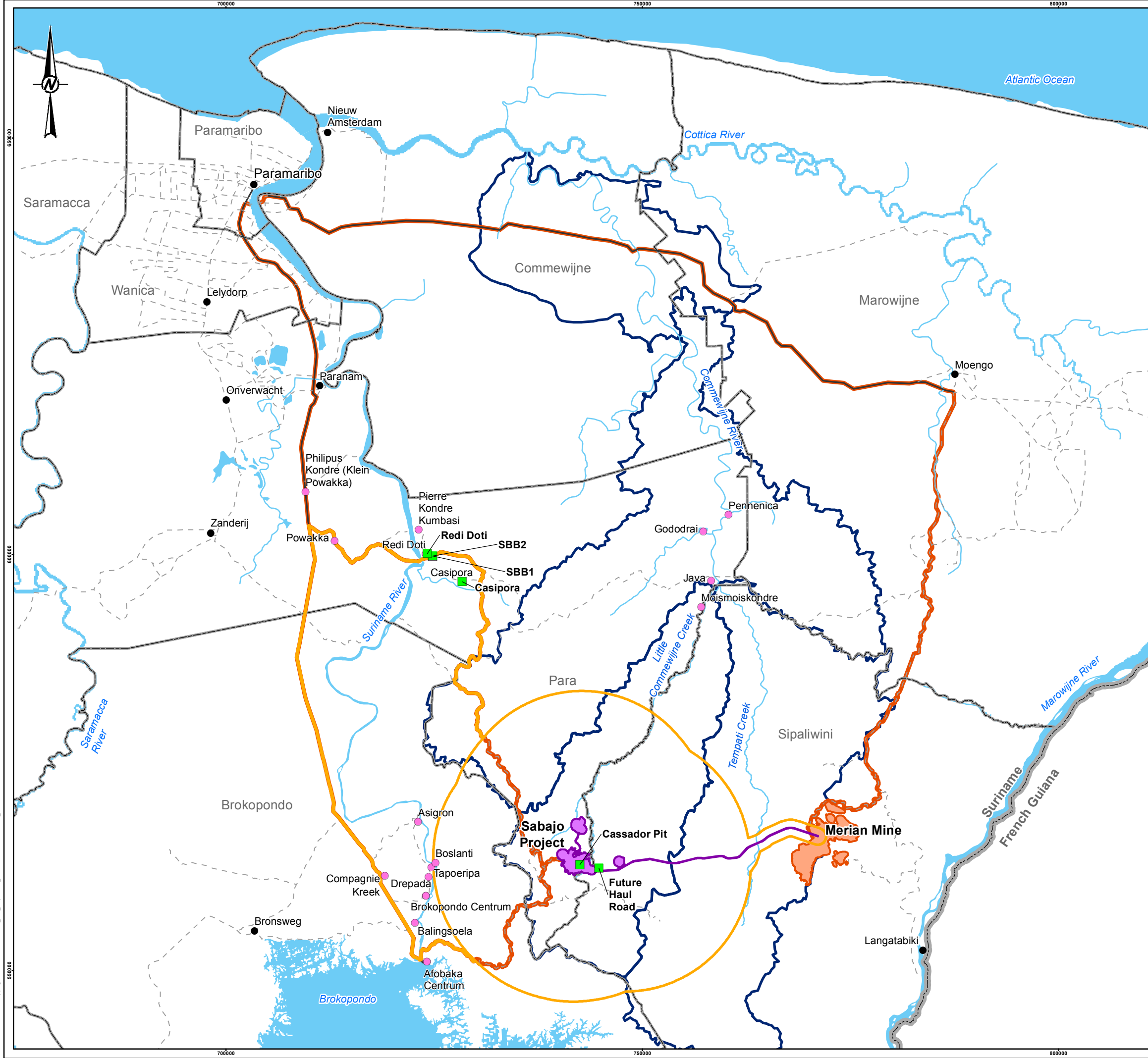
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 BASELINE NOISE MEASUREMENT LOCATIONS

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	DESIGNED	JP
	PREPARED	AL
	REVIEWED	GJ
	APPROVED	GJ

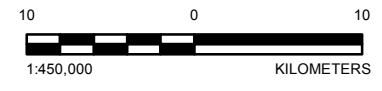
PROJECT NO. 1669326 CONTROL REV. 0 MAP 4.9-1

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25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM A3/B



- LEGEND**
- STUDY AREA COMMUNITY
  - OTHER COMMUNITY
  - DISTRICT BOUNDARY
  - INTERNATIONAL BOUNDARY
  - PAVED ROAD
  - - - UNPAVED ROAD
  - WATERCOURSE
  - WATERBODY
  - POTENTIAL PROJECT ACCESS ROUTES
  - SABAJO PROJECT PHYSICAL IMPACT AREA
  - MERIAN MINE EXISTING AND APPROVED FOOTPRINT
  - AIR MEASUREMENT LOCATION
  - AIR AND NOISE EFFECTS STUDY AREA
  - REGIONAL WATERSHED



**REFERENCE(S)**  
 BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT.  
 DATUM: WGS84 PROJECTION: UTM ZONE 21

CLIENT  
 NEWMONT SURINAME

PROJECT  
 SABAJO PROJECT ESIA

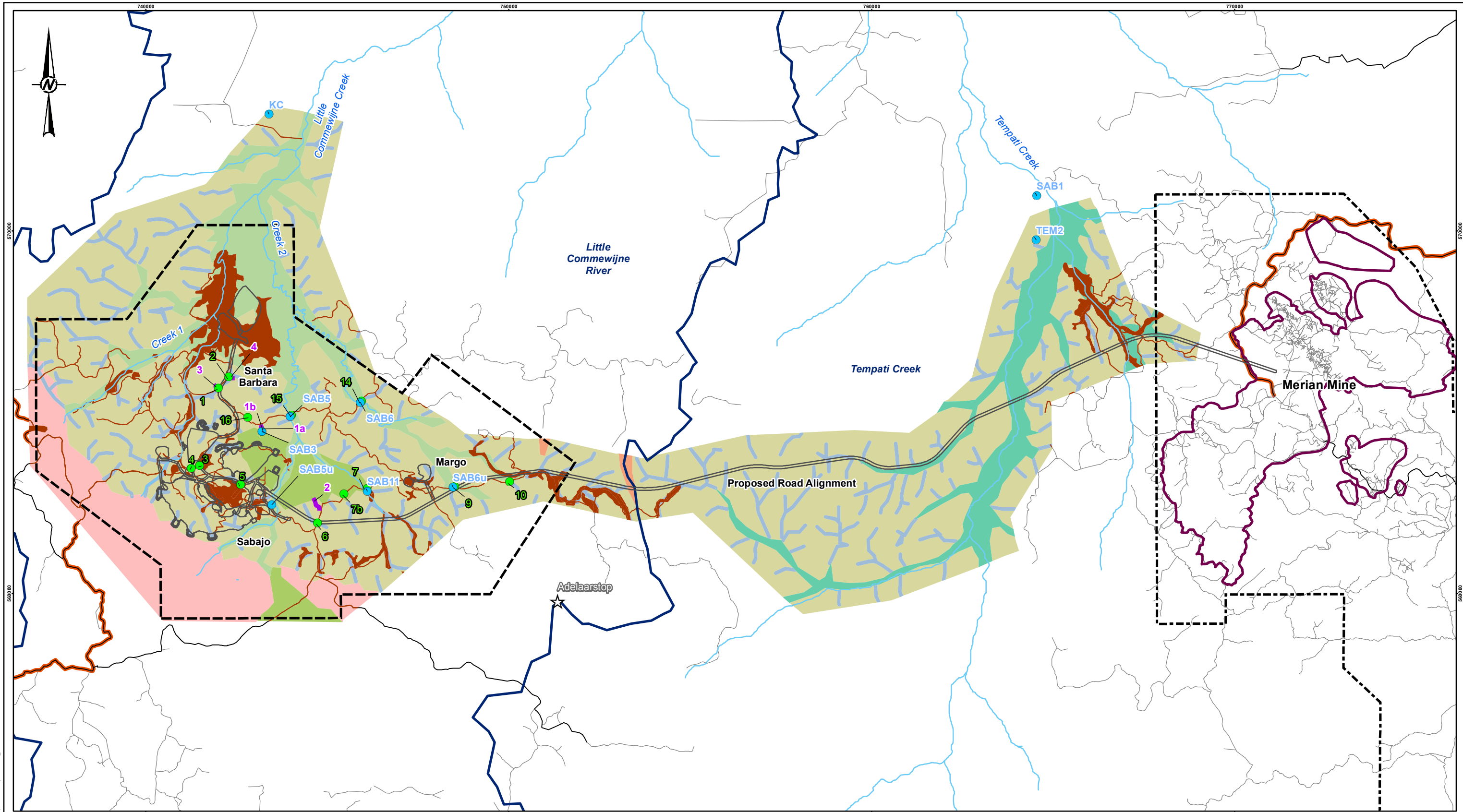
TITLE  
**BASELINE AIR MEASUREMENT LOCATIONS**

CONSULTANT	YYYY-MM-DD	2018-02-27
	DESIGNED	JP
	PREPARED	AL
	REVIEWED	GJ
	APPROVED	GJ

PROJECT NO. 1669326 CONTROL REV. 0 MAP 4.10-1

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25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM A3/B



- LEGEND**
- ★ MOUNTAIN
  - ROAD
  - LOCAL ROAD
  - WATERCOURSE
  - WATERBODY
  - POTENTIAL PROJECT ACCESS ROAD
  - - - EXPLOITATION CONCESSION BOUNDARY
  - - - MERIAN EXPLOITATION BOUNDARY
  - - - SABAJO PROJECT FOOTPRINT
  - - - MERIAN MINE EXISTING AND APPROVED FOOTPRINT

- LAND COVER**
- HIGH DRYLAND FOREST
  - MARSH FOREST IN FLOODPLAIN (KLEINE COMMEWIJNE)
  - MARSH FOREST IN FLOODPLAIN (TEMPATI)
  - MARSH FOREST ON LOAMY SOIL
  - WET SAVANNAH FOREST ON SANDY SOIL
  - DRY MOUNTAIN SAVANNAH FOREST ON DURICRUST
  - CREEK FOREST
  - SECONDARY FOREST / DISTURBACE

- AMPHIBIAN/REPTILE STUDY SITE
- AQUATIC ECOSYSTEM STUDY SITE
- AMPHIBIAN/REPTILE TRANSECT
- DRAINAGE BOUNDARY



**NOTE(S)**

**REFERENCE(S)**  
 BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. IMAGERY OBTAINED FROM COPERNICUS SENTINEL DATA AUGUST 23, 2017. LAND COVER PROVIDED BY HARDNER & GULLISON ASSOCIATES, LLC.  
 DATUM: WGS84 PROJECTION: UTM ZONE 21

CLIENT  
 NEWMONT SURINAME

PROJECT  
 SABAJO PROJECT ESIA

CONSULTANT

YYYY-MM-DD	2018-02-27
DESIGNED	GJ
PREPARED	AL
REVIEWED	GJ
APPROVED	GJ

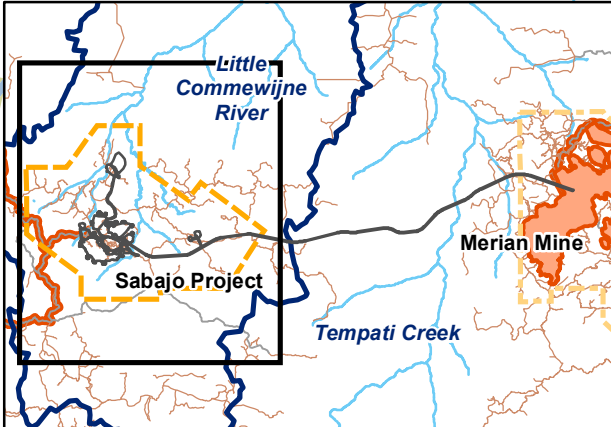
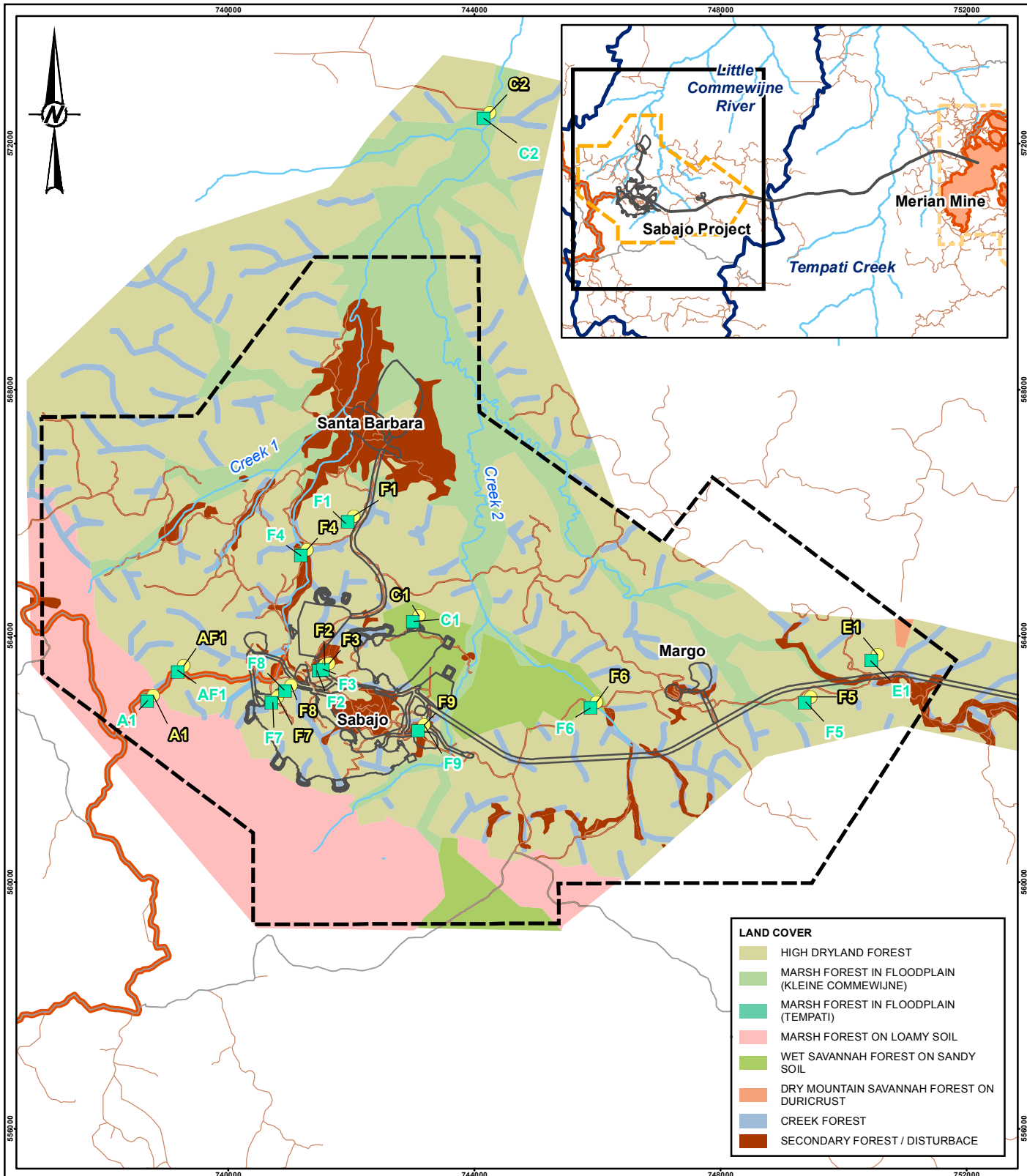
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**AQUATIC, AMPHIBIAN AND REPTILE STUDY LOCATIONS**

PROJECT NO.	CONTROL	REV.	MAP
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25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANS B





LAND COVER	
[Light Green]	HIGH DRYLAND FOREST
[Medium Green]	MARSH FOREST IN FLOODPLAIN (KLEINE COMMEWIJNE)
[Dark Green]	MARSH FOREST IN FLOODPLAIN (TEMPATI)
[Pink]	MARSH FOREST ON LOAMY SOIL
[Light Yellow-Green]	WET SAVANNAH FOREST ON SANDY SOIL
[Orange]	DRY MOUNTAIN SAVANNAH FOREST ON DURICRUST
[Blue]	CREEK FOREST
[Brown]	SECONDARY FOREST / DISTURBANCE

**LEGEND**

- ROAD
- LOCAL ROAD
- WATERCOURSE
- WATERBODY
- POTENTIAL PROJECT ACCESS ROAD
- EXPLOITATION CONCESSION BOUNDARY
- SABAJO PROJECT FOOTPRINT
- BIRD STUDY SITE
- TERRESTRIAL HABITAT AND FLORA STUDY SITE



**REFERENCE(S)**

BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. IMAGERY OBTAINED FROM COPERNICUS SENTINEL DATA AUGUST 23, 2017. DATUM: WGS84 PROJECTION: UTM ZONE 21

CLIENT  
NEWMONT SURINAME

PROJECT  
SABAJO PROJECT ESIA

TITLE  
**BIRD, TERRESTRIAL HABITAT AND FLORA STUDY LOCATIONS**

CONSULTANT



YYYY-MM-DD	2018-02-27
DESIGNED	GJ
PREPARED	AL
REVIEWED	GJ
APPROVED	GJ

PROJECT NO. CONTROL  
1669326

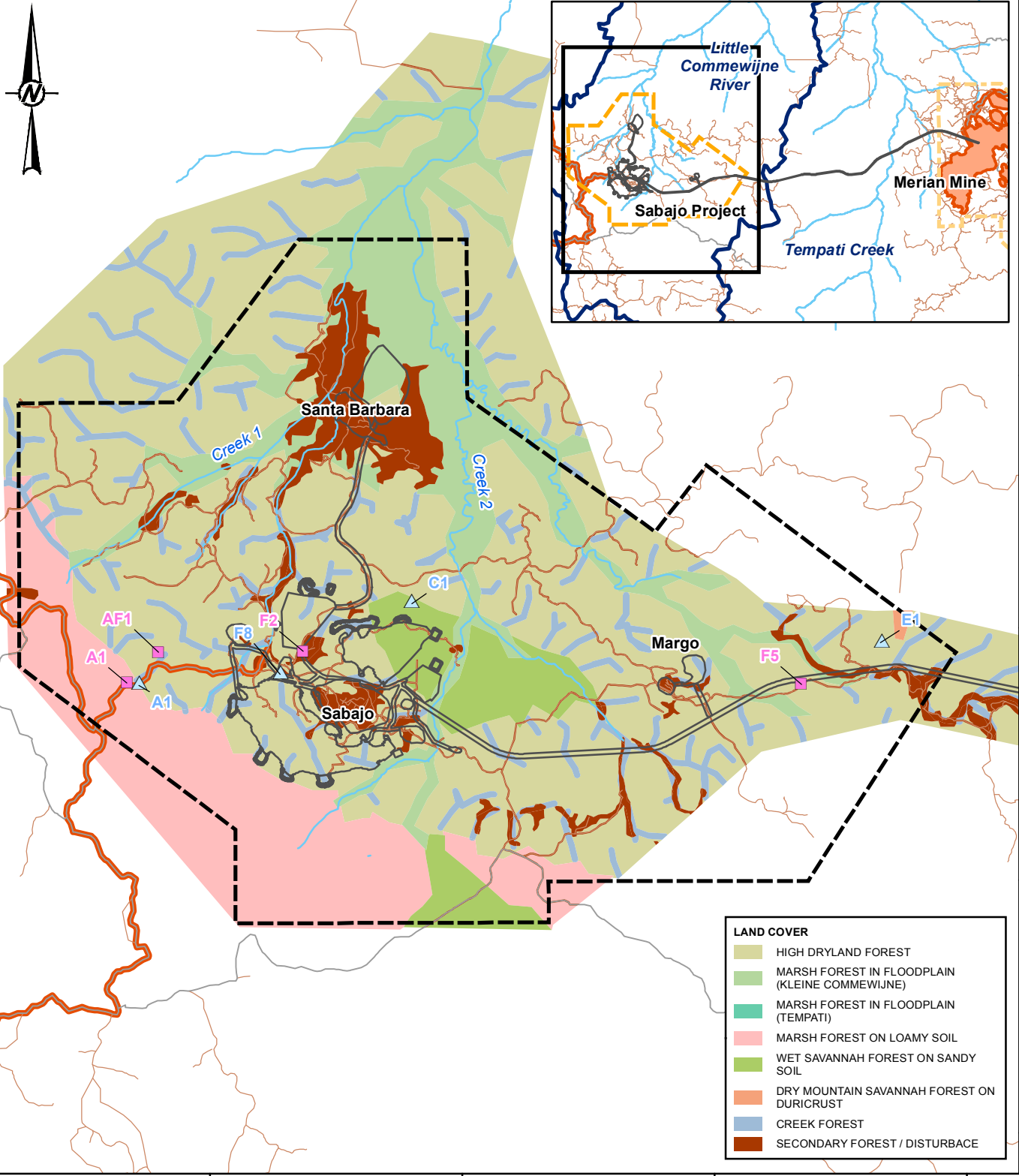
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MAP 4.11-2

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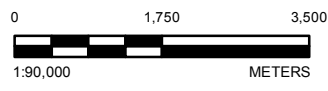
25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ISO A4

740000 744000 748000 752000



LAND COVER	
[Light Green]	HIGH DRYLAND FOREST
[Medium Green]	MARSH FOREST IN FLOODPLAIN (KLEINE COMMEWIJNE)
[Dark Green]	MARSH FOREST IN FLOODPLAIN (TEMPATI)
[Pink]	MARSH FOREST ON LOAMY SOIL
[Light Blue-Green]	WET SAVANNAH FOREST ON SANDY SOIL
[Orange]	DRY MOUNTAIN SAVANNAH FOREST ON DURICRUST
[Blue]	CREEK FOREST
[Brown]	SECONDARY FOREST / DISTURBANCE

LEGEND	
[Grey Line]	ROAD
[Orange Line]	LOCAL ROAD
[Blue Line]	WATERCOURSE
[Blue Area]	WATERBODY
[Orange Line]	POTENTIAL PROJECT ACCESS
[Dashed Black Line]	EXPLOITATION CONCESSION BOUNDARY
[Black Outline]	SABAJO PROJECT FOOTPRINT
[Blue Triangle]	MAMMAL CAMERA SITE
[Pink Square]	MAMMAL SURVEY STUDY SITE



**REFERENCE(S)**  
 BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. IMAGERY OBTAINED FROM COPERNICUS SENTINEL DATA AUGUST 23, 2017.  
 DATUM: WGS84 PROJECTION: UTM ZONE 21

CLIENT  
 NEWMONT SURINAME

PROJECT  
 SABAJO PROJECT ESIA

TITLE  
 MAMMAL STUDY LOCATIONS

CONSULTANT	DATE	REVISION
GOLDER	YYYY-MM-DD	2018-02-27
	DESIGNED	GJ
	PREPARED	AL
	REVIEWED	GJ
	APPROVED	GJ

PROJECT NO. 1669326 CONTROL MAP 4.11-3  
 REV. 0

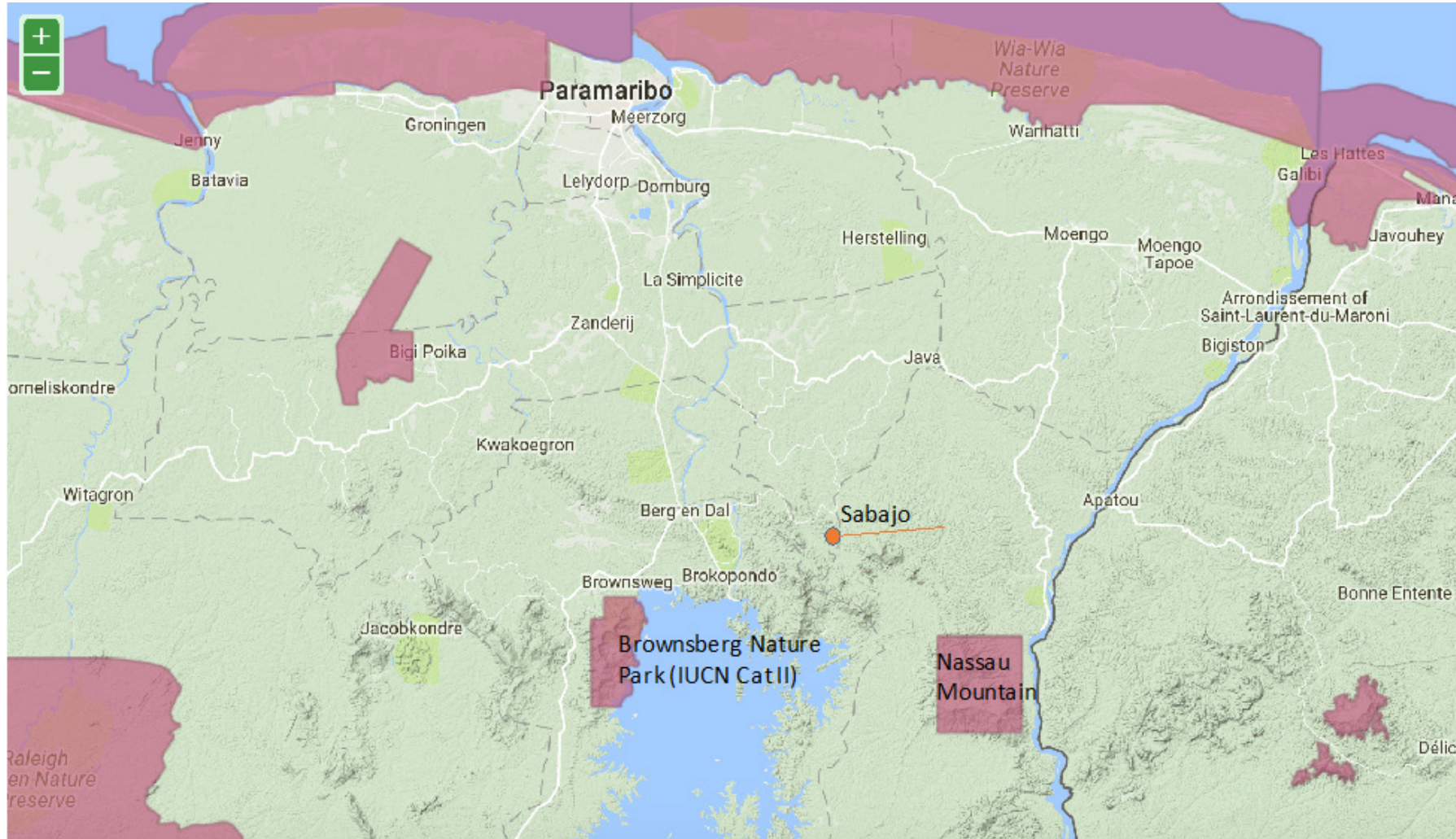
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25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ISO A4

# Environmental and Social Impact Assessment

## Section 8, Maps

Map 4.11-4 Key Biodiversity Areas Closest to Sabajo are Brownsberg Nature Park and Nassau Mountain (Source: IBAT)

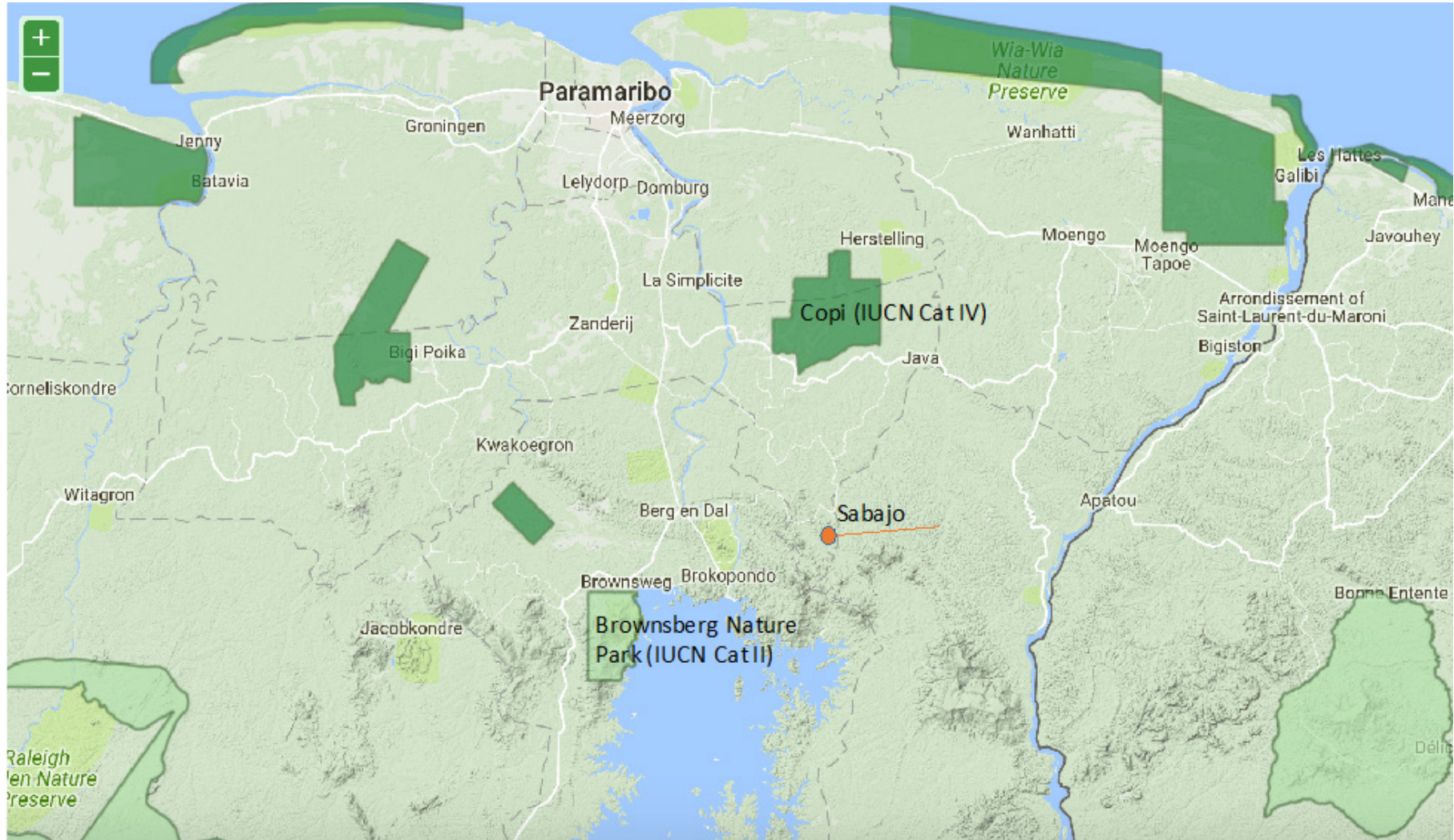




# Environmental and Social Impact Assessment

## Section 8, Maps

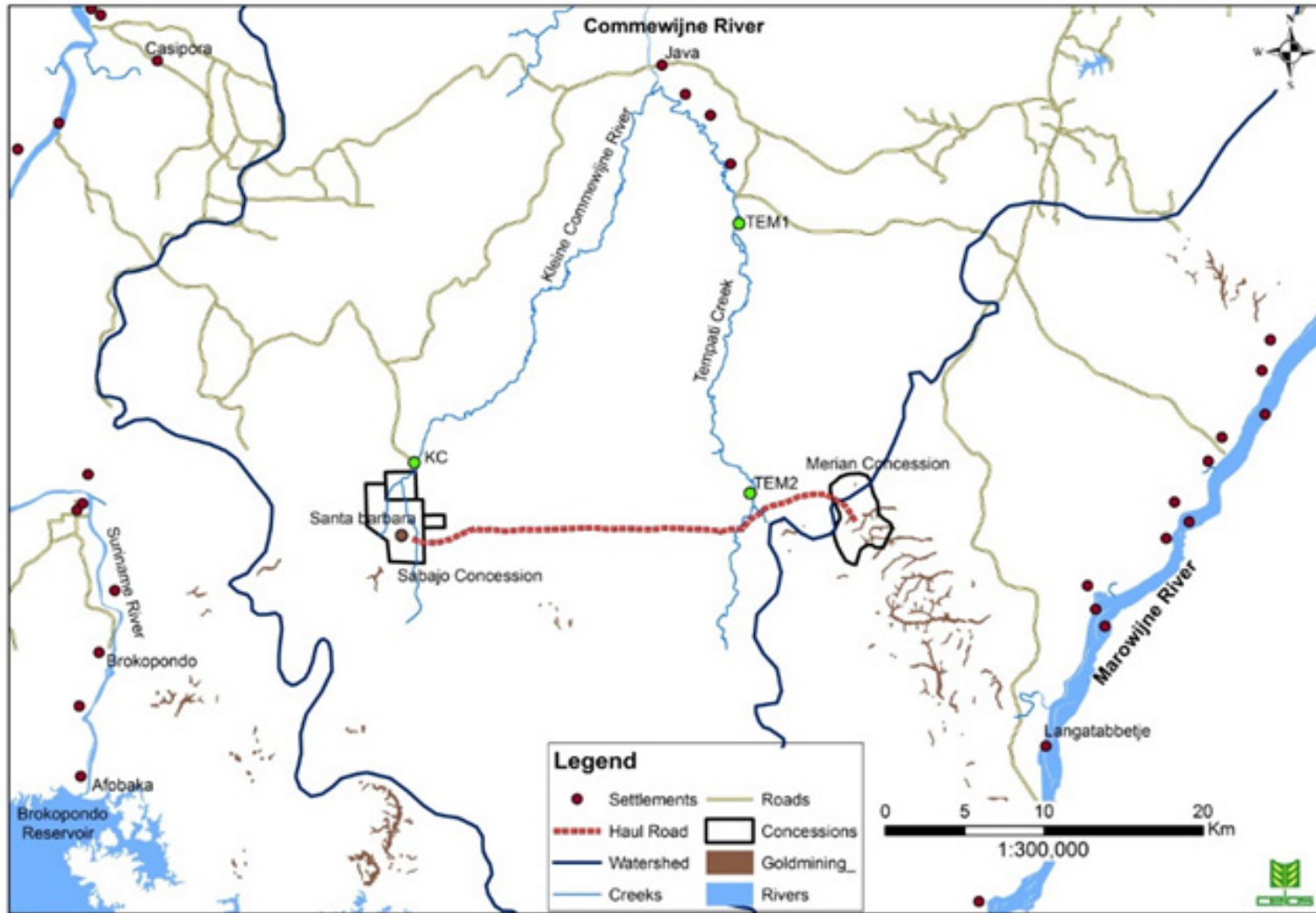
Map 4.11-5 Location of Protected Areas Nearest Sabajo (Source: IBAT)



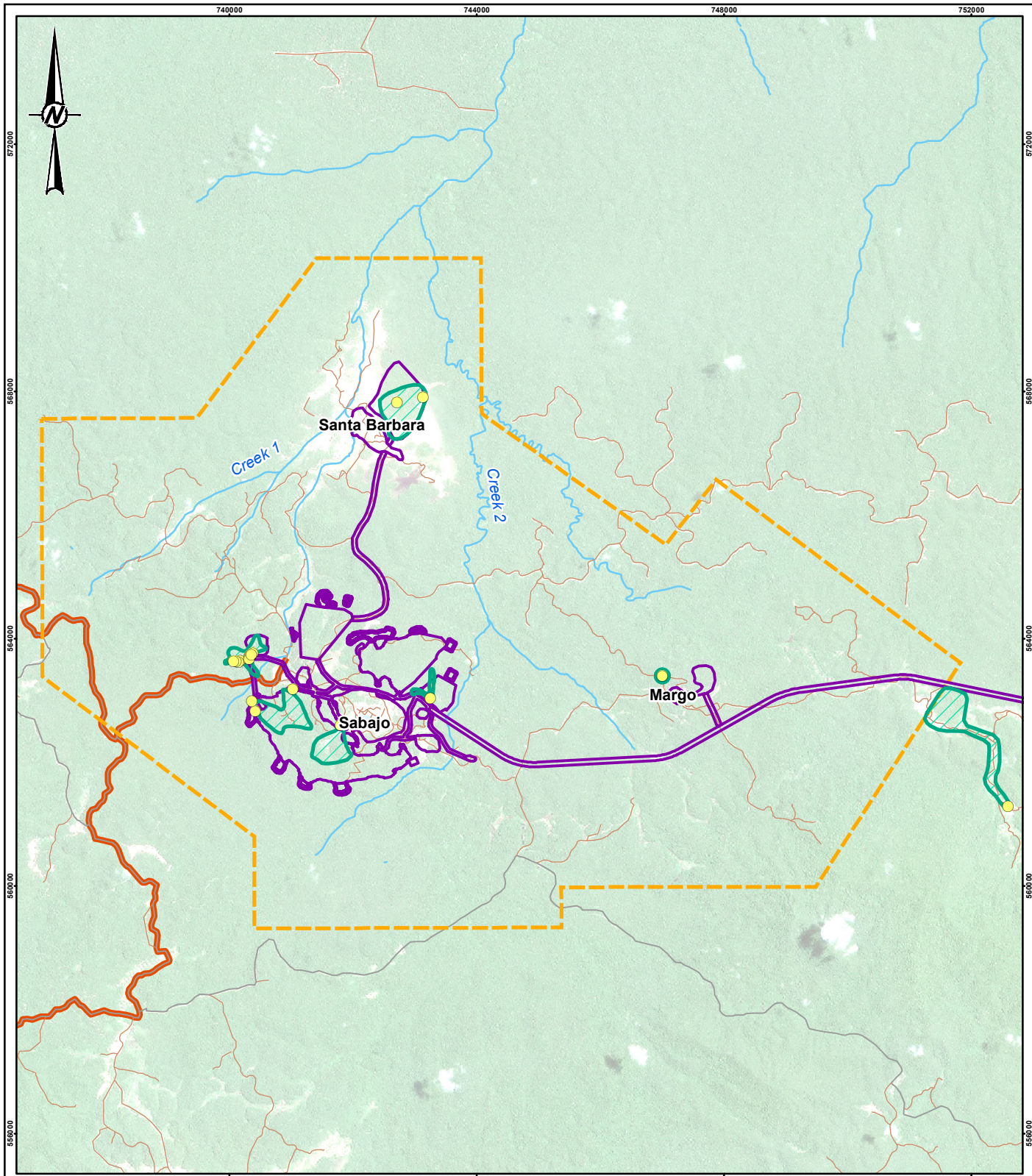
# Environmental and Social Impact Assessment

## Section 8, Maps

Map 4.11-6 Aquatic Ecology Sampling Locations; Regional Background Sites (Source: ESS/HGA)

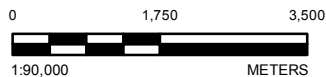






**LEGEND**

- ROAD
- LOCAL ROAD
- WATERCOURSE
- WATERBODY
- POTENTIAL PROJECT ACCESS
- EXPLOITATION CONCESSION BOUNDARY
- SABAJO PROJECT FOOTPRINT
- SURVEYED AND TESTED
- HIGH POTENTIAL SITE SURVEY COVERAGE



**REFERENCE(S)**

BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. IMAGERY OBTAINED FROM COPERNICUS SENTINEL DATA AUGUST 23, 2017.  
DATUM: WGS84 PROJECTION: UTM ZONE 21

CLIENT  
**NEWMONT SURINAME**

PROJECT  
**SABAJO PROJECT ESIA**

TITLE  
**CULTURAL HERITAGE BASELINE**

CONSULTANT



YYYY-MM-DD 2018-02-27

DESIGNED GJ

PREPARED AL

REVIEWED GJ

APPROVED GJ

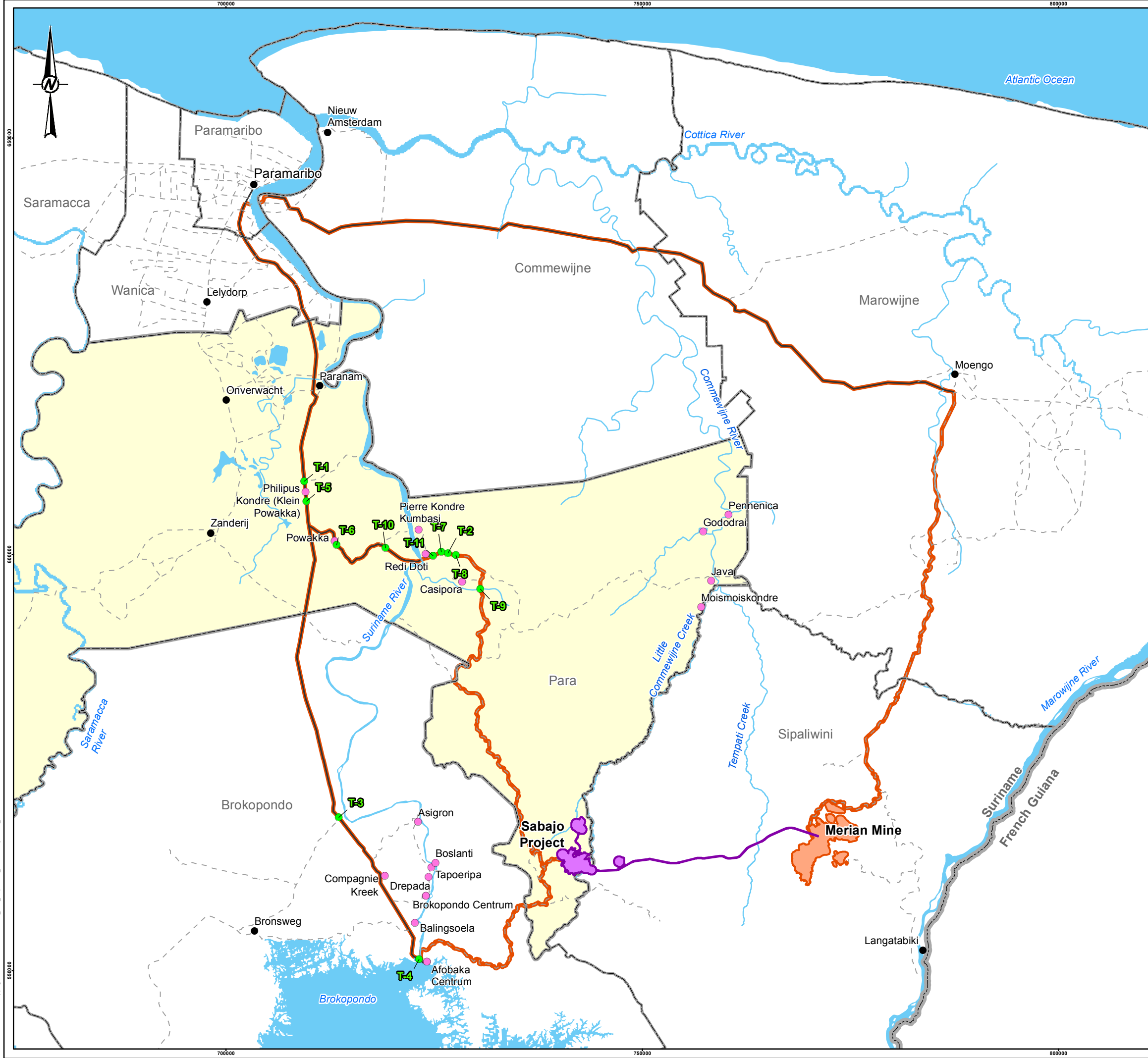
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CONTROL

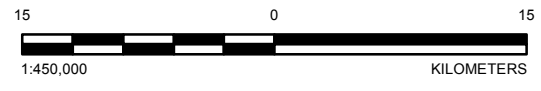
REV.  
**0**

MAP  
**4.12-1**





- LEGEND**
- STUDY AREA COMMUNITY
  - OTHER COMMUNITY
  - DISTRICT BOUNDARY
  - INTERNATIONAL BOUNDARY
  - PAVED ROAD
  - - - UNPAVED ROAD
  - WATERCOURSE
  - WATERBODY
  - POTENTIAL PROJECT ACCESS ROUTES
  - SABAJO PROJECT PHYSICAL IMPACT AREA
  - MERIAN MINE EXISTING AND APPROVED FOOTPRINT
  - ▭ PARA DISTRICT
  - TRAFFIC STUDY POINT



**REFERENCE(S)**  
 BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT.  
 DATUM: WGS84 PROJECTION: UTM ZONE 21

**CLIENT**  
 NEWMONT SURINAME

**PROJECT**  
 SABAJO PROJECT ESIA

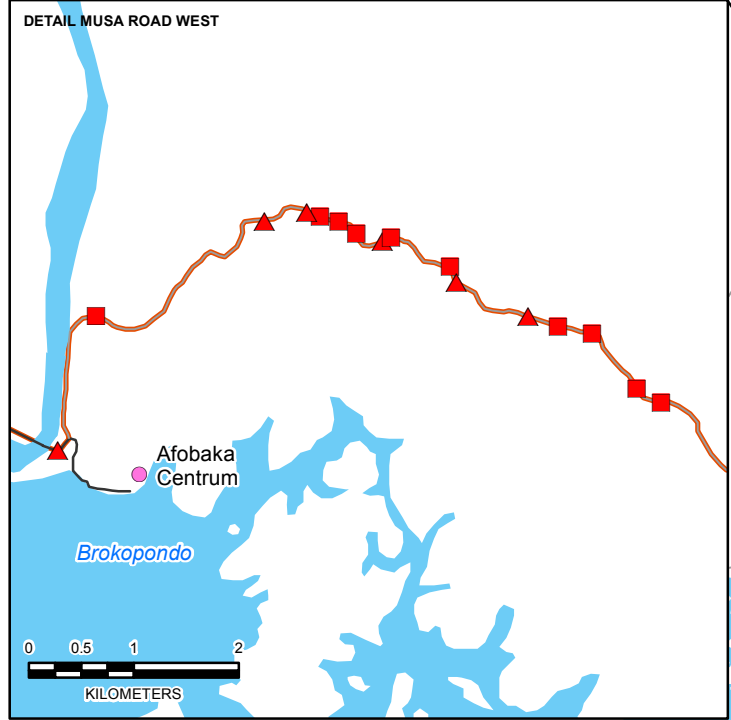
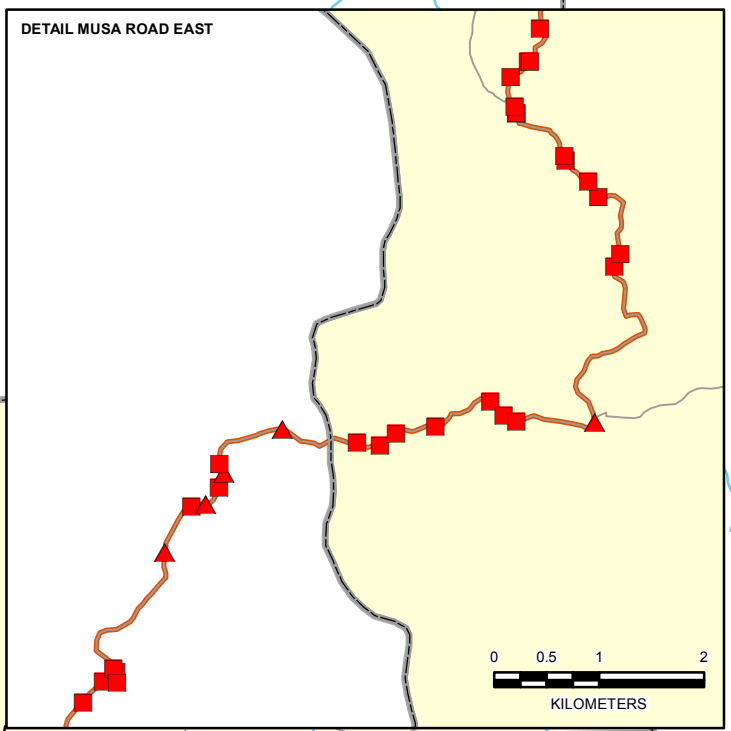
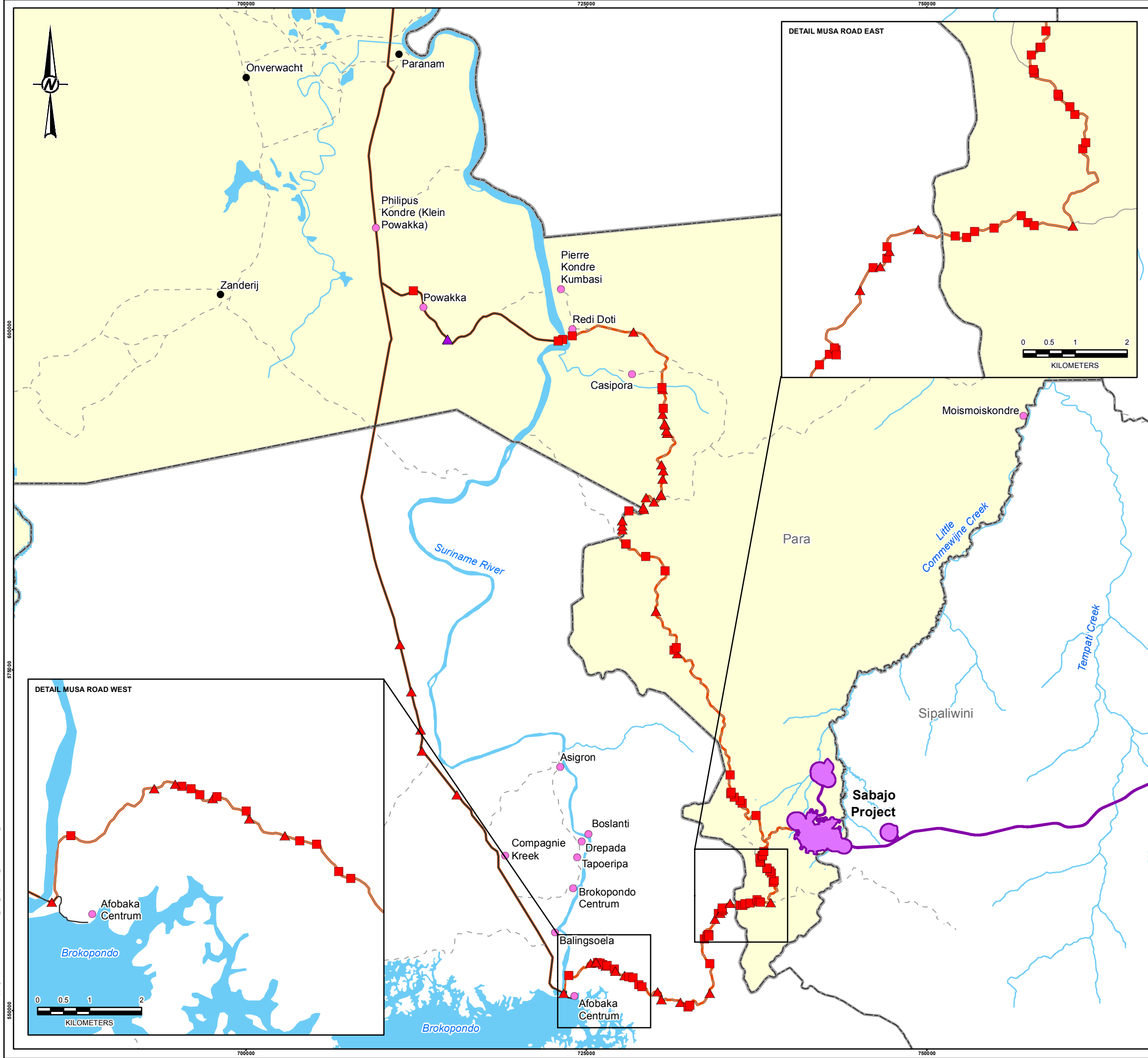
**TITLE**  
 TRAFFIC STUDY POINTS

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DESIGNED	JP	
PREPARED	AL	
REVIEWED	GJ	
APPROVED	GJ	

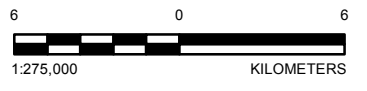
PROJECT NO. 1669326 CONTROL REV. 0 MAP 4.13-1

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25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSIB



- LEGEND**
- COMMUNITY
  - STUDY AREA COMMUNITY
  - DISTRICT BOUNDARY
  - PAVED ROAD
  - - UNPAVED ROAD
  - WATERCOURSE
  - WATERBODY
  - POTENTIAL PROJECT ACCESS ROUTES
  - ▭ SABAJO PROJECT PHYSICAL IMPACT AREA
  - ▭ PARA DISTRICT
  - ▲ BAD ROAD CONDITION
  - UNSAFE ROAD CONDITION
  - ▲ TRAFFIC SIGN BAD ROAD CONDITION



**REFERENCE(S)**  
 BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. ROAD CONDITION AND ROAD FEATURES DATA PROVIDED BY ILACO.  
 DATUM: WGS84 PROJECTION: UTM ZONE 21

CLIENT  
 NEWMONT SURINAME

PROJECT  
 SABAJO PROJECT ESIA

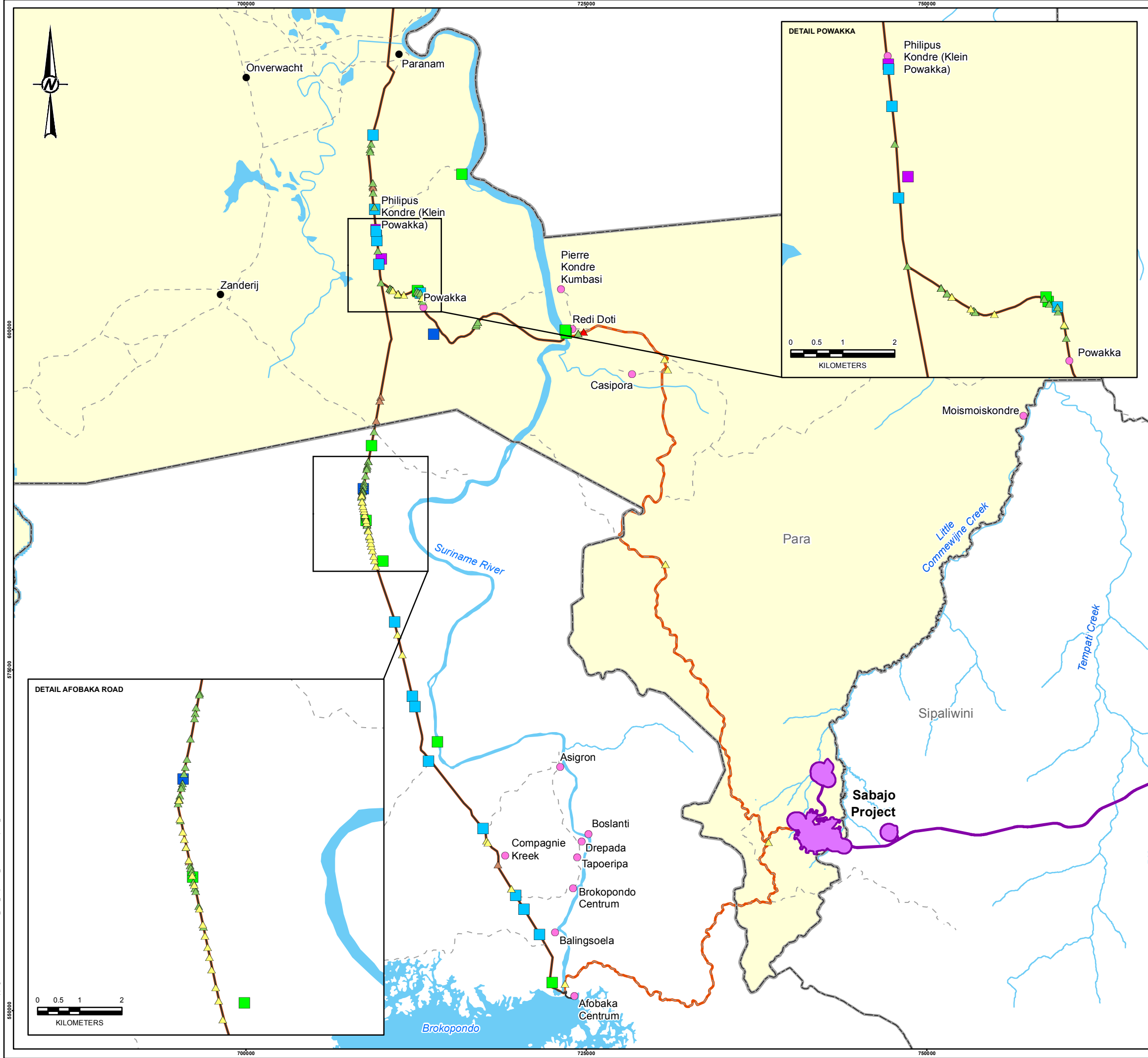
TITLE  
 ROAD CONDITIONS

CONSULTANT	YYYY-MM-DD	2018-02-27
	DESIGNED	GJ
	PREPARED	AL
	REVIEWED	GJ
	APPROVED	GJ

PROJECT NO. 1669326 CONTROL REV. 0 MAP 4.13-2

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 25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM A3/B





**LEGEND**

- COMMUNITY
- STUDY AREA COMMUNITY
- DISTRICT BOUNDARY
- PAVED ROAD
- - UNPAVED ROAD
- WATERCOURSE
- WATERBODY
- POTENTIAL PROJECT ACCESS ROUTES
- SABAJO PROJECT PHYSICAL IMPACT AREA
- PARA DISTRICT

**SENSITIVE OBSERVED USES**

- BUS STOP
- CHURCH
- RECREATIONAL SITE
- SCHOOL

**OBSERVED USES**

- ▲ CHECKPOINT SBB REDI DOTI
- ▲ LOGGING COMPANY
- ▲ SALES STAND
- ▲ MUSTER POINT

**DETAIL POWAKKA**

Philipus Kondre (Klein Powakka)

Powakka

0 0.5 1 2  
KILOMETERS

**DETAIL AFOBAKA ROAD**

0 0.5 1 2  
KILOMETERS

6 0 6  
1:275,000 KILOMETERS

**REFERENCE(S)**  
 BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. ROAD CONDITION AND ROAD FEATURES DATA PROVIDED BY ILACO.  
 DATUM: WGS84 PROJECTION: UTM ZONE 21

CLIENT  
 NEWMONT SURINAME

PROJECT  
 SABAJO PROJECT ESIA

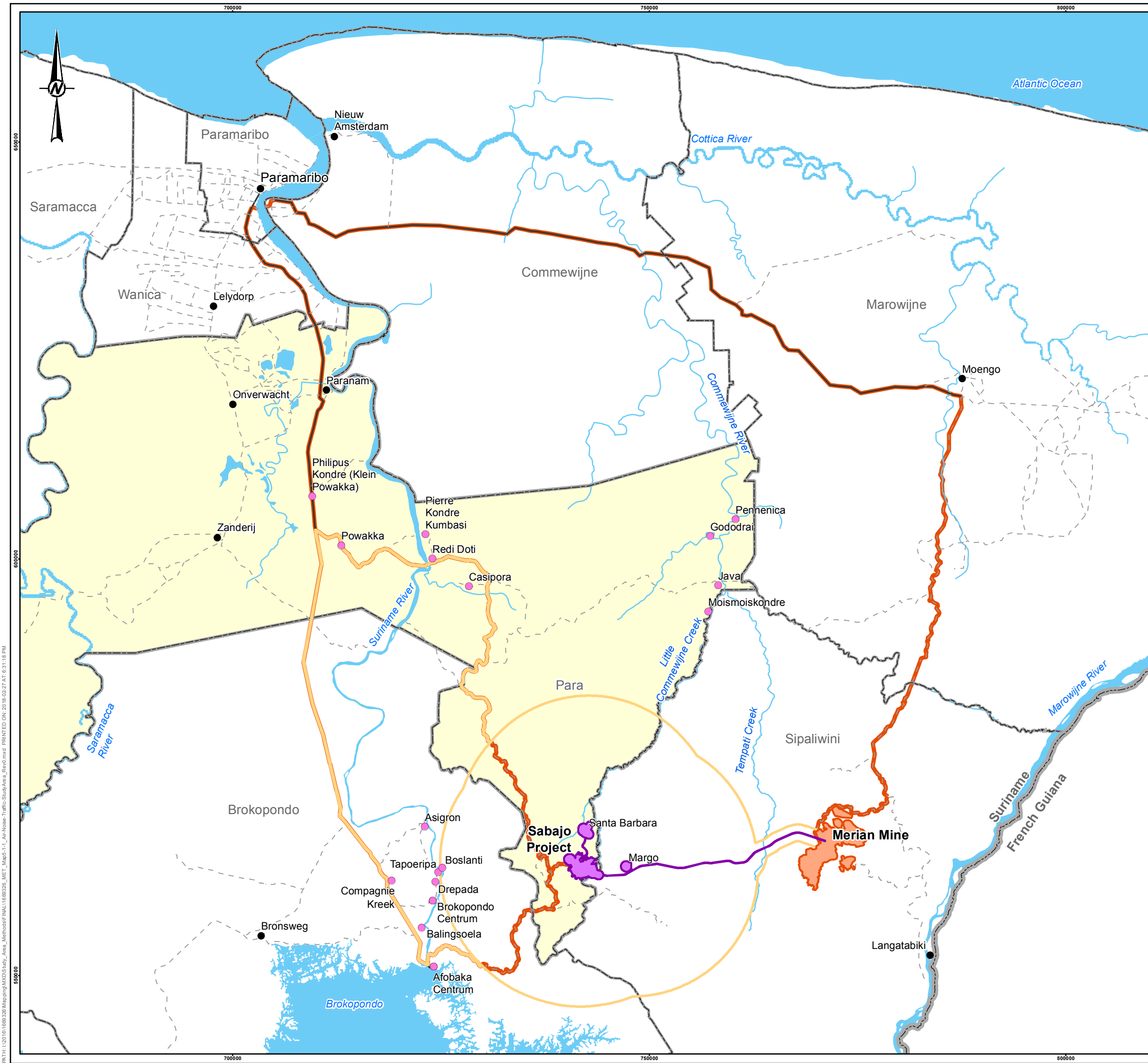
TITLE  
**SENSITIVE RECEPTORS FOR TRAFFIC EFFECTS**

CONSULTANT	YYYY-MM-DD	2018-02-27
	DESIGNED	GJ
	PREPARED	AL
	REVIEWED	GJ
	APPROVED	GJ

PROJECT NO. 1669326 CONTROL REV. 0 MAP 4.13-3

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 25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM A4/B





- LEGEND**
- STUDY AREA COMMUNITY
  - OTHER COMMUNITY
  - DISTRICT BOUNDARY
  - INTERNATIONAL BOUNDARY
  - PAVED ROAD
  - - - UNPAVED ROAD
  - WATERCOURSE
  - WATERBODY
  - POTENTIAL PROJECT ACCESS ROUTES
  - ▭ SABAJO PROJECT PHYSICAL IMPACT AREA
  - ▭ MERIAN MINE EXISTING AND APPROVED FOOTPRINT
  - ▭ PARA DISTRICT
  - ▭ AIR AND NOISE AND TRAFFIC EFFECTS STUDY AREA



**REFERENCE(S)**  
 BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT.  
 DATUM: WGS84 PROJECTION: UTM ZONE 21

**CLIENT**  
 NEWMONT SURINAME

**PROJECT**  
 SABAJO PROJECT ESIA

**TITLE**  
 AIR, NOISE AND TRAFFIC EFFECTS STUDY AREA

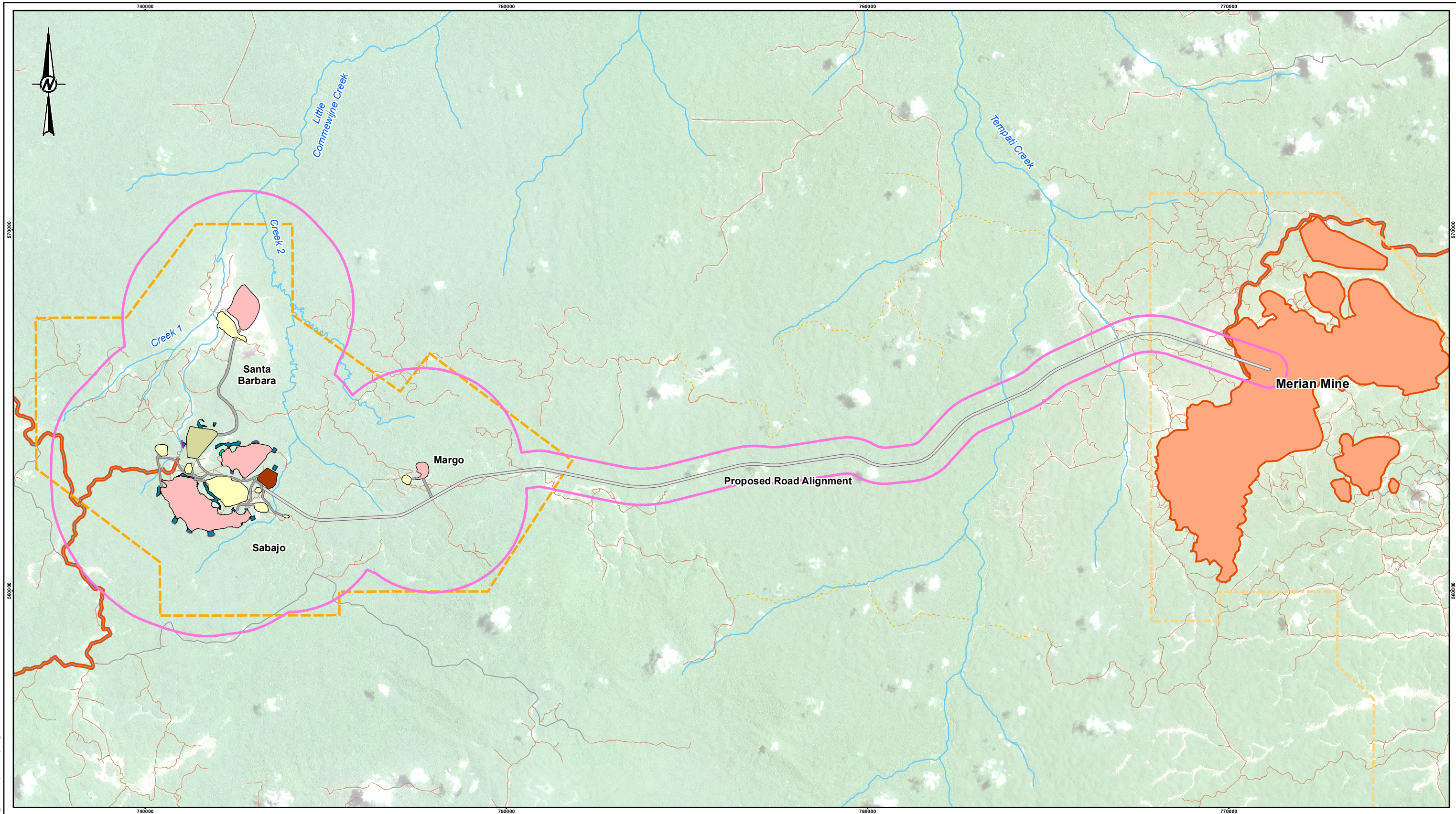
CONSULTANT	YYYY-MM-DD	2018-02-27
	DESIGNED	GJ
	PREPARED	AL
	REVIEWED	GJ
	APPROVED	GJ

PROJECT NO. 1669326 CONTROL REV. 0 MAP 5.1-1

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25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM A3/B





LEGEND	
	ROAD
	LOCAL ROAD
	ATV TRAIL
	WATERCOURSE
	WATERBODY
	POTENTIAL PROJECT ACCESS ROAD
	EXPLOITATION CONCESSION BOUNDARY
	MERIAN EXPLOITATION BOUNDARY
	MERIAN MINE EXISTING AND APPROVED FOOTPRINT
	SABAJO TERRESTRIAL AQUATIC AND PHYSICAL EFFECTS STUDY AREA
PROJECT FOOTPRINT	
	PIT
	STOCKPILE
	WASTE ROCK STORAGE FACILITY
	SURFACE FACILITIES
	LANDFILL
	ROAD
	MERIAN TRANSPORT CORRIDOR
	WATER MANAGEMENT BERM
	WATER MANAGEMENT POND



CLIENT  
NEWMONT SURINAME

CONSULTANT	YYYY-MM-DD	2018-02-27
	DESIGNED	GJ
	PREPARED	AL
	REVIEWED	GJ
	APPROVED	GJ

REFERENCE(S)  
BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. IMAGERY OBTAINED FROM COPERNICUS SENTINEL DATA AUGUST 23, 2017.  
DATUM: WGS84 PROJECTION: UTM ZONE 21

PROJECT  
SABAJO PROJECT ESIA

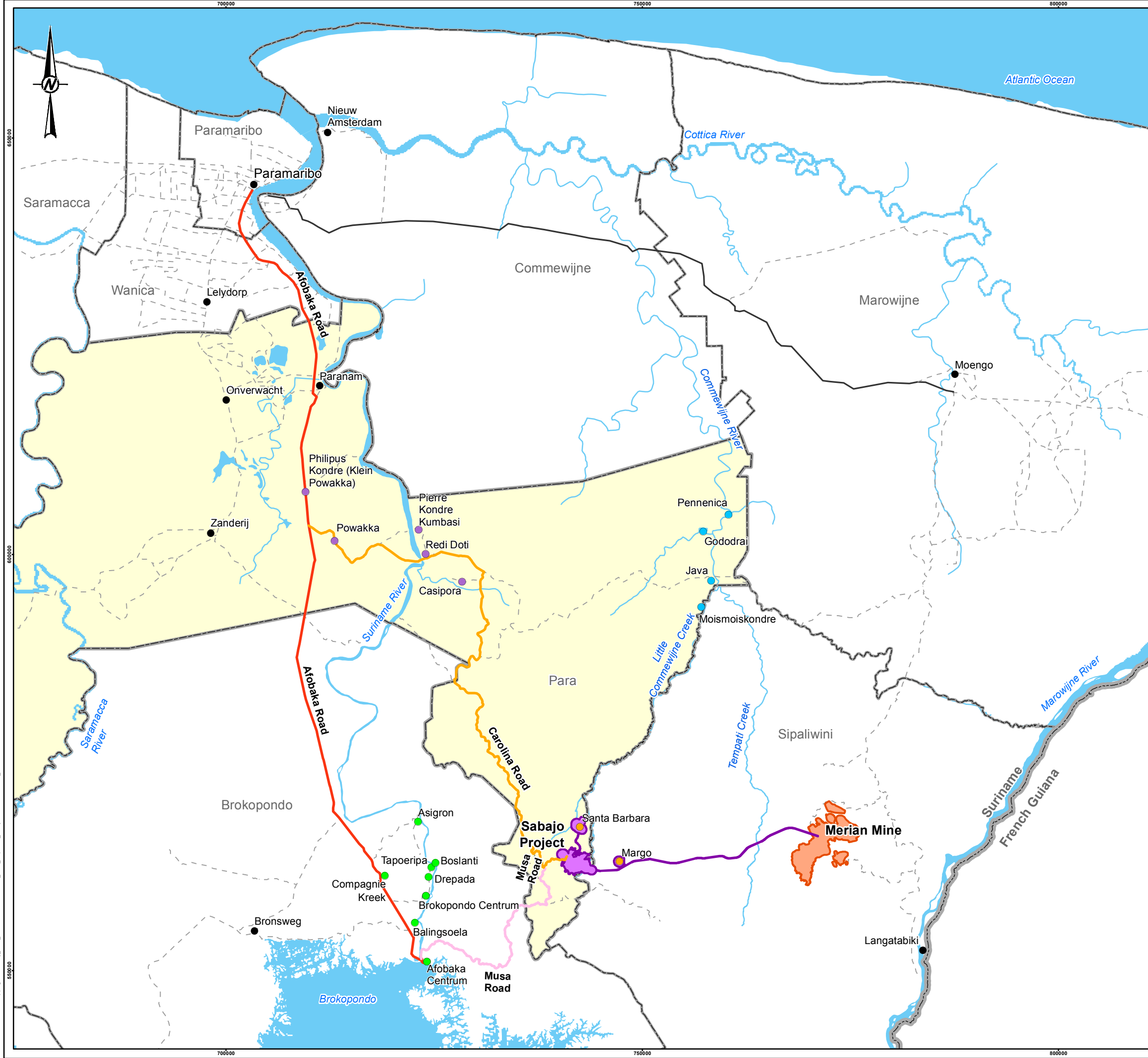
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25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANS B





**LEGEND**

- OTHER COMMUNITY
- DISTRICT BOUNDARY
- INTERNATIONAL BOUNDARY
- PAVED ROAD
- - - UNPAVED ROAD
- WATERCOURSE
- WATERBODY
- ▭ SABAJO PROJECT PHYSICAL IMPACT AREA
- ▭ MERIAN MINE EXISTING AND APPROVED FOOTPRINT
- ▭ PARA DISTRICT

**STUDY AREA COMMUNITIES**

- BROKOPONDO COMMUNITY
- CAROLINA ROAD COMMUNITY
- KAWINA COMMUNITY
- SMALL SCALE MINING COMMUNITY

**STUDY AREA ROADS**

- AFOBAKA ROAD
- CAROLINA ROAD
- MUSA ROAD



**REFERENCE(S)**  
 BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT.  
 DATUM: WGS84 PROJECTION: UTM ZONE 21

**CLIENT**  
 NEWMONT SURINAME

**PROJECT**  
 SABAJO PROJECT ESIA

**TITLE**  
 SOCIAL STUDY AREA COMMUNITIES

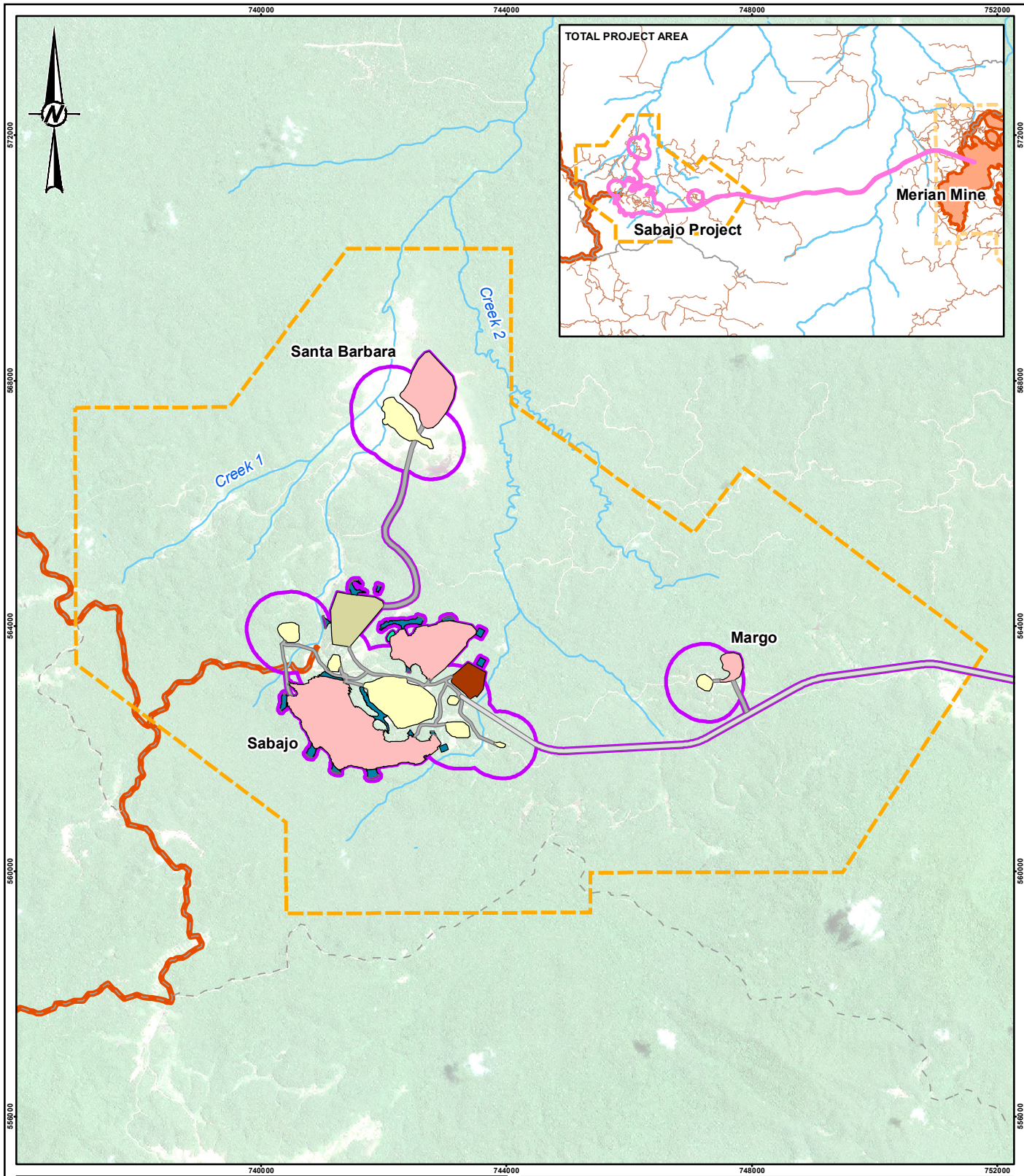
CONSULTANT	YYYY-MM-DD	2018-02-27
DESIGNED	GJ	
PREPARED	AL	
REVIEWED	GJ	
APPROVED	GJ	

PROJECT NO. 1669326 CONTROL REV. 0 MAP 5.1-3

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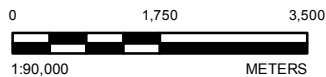




**LEGEND**

- PAVED ROAD
- - UNPAVED ROAD
- WATERCOURSE
- WATERBODY
- POTENTIAL PROJECT ACCESS ROAD
- MERIAN MINE EXISTING AND APPROVED FOOTPRINT
- EXPLOITATION CONCESSION BOUNDARY
- MERIAN EXPLOITATION BOUNDARY
- PROJECT TOTAL PHYSICAL IMPACT AREA WITH PIT BUFFERS STUDY AREA

- PROJECT FOOTPRINT**
- PIT
  - STOCKPILE
  - WASTE ROCK STORAGE FACILITY
  - SURFACE FACILITIES
  - LANDFILL
  - ROAD
  - MERIAN TRANSPORT CORRIDOR
  - WATER MANAGEMENT BERM
  - WATER MANAGEMENT POND



**REFERENCE(S)**

BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. IMAGERY OBTAINED FROM COPERNICUS SENTINEL DATA AUGUST 23, 2017.  
 DATUM: WGS84 PROJECTION: UTM ZONE 21

CLIENT  
 NEWMONT SURINAME

PROJECT  
 SABAJO PROJECT ESIA

TITLE  
 PROJECT PHYSICAL IMPACT STUDY AREA

CONSULTANT



YYYY-MM-DD	2018-02-27
DESIGNED	GJ
PREPARED	AL
REVIEWED	GJ
APPROVED	GJ

PROJECT NO.  
 1669326

CONTROL

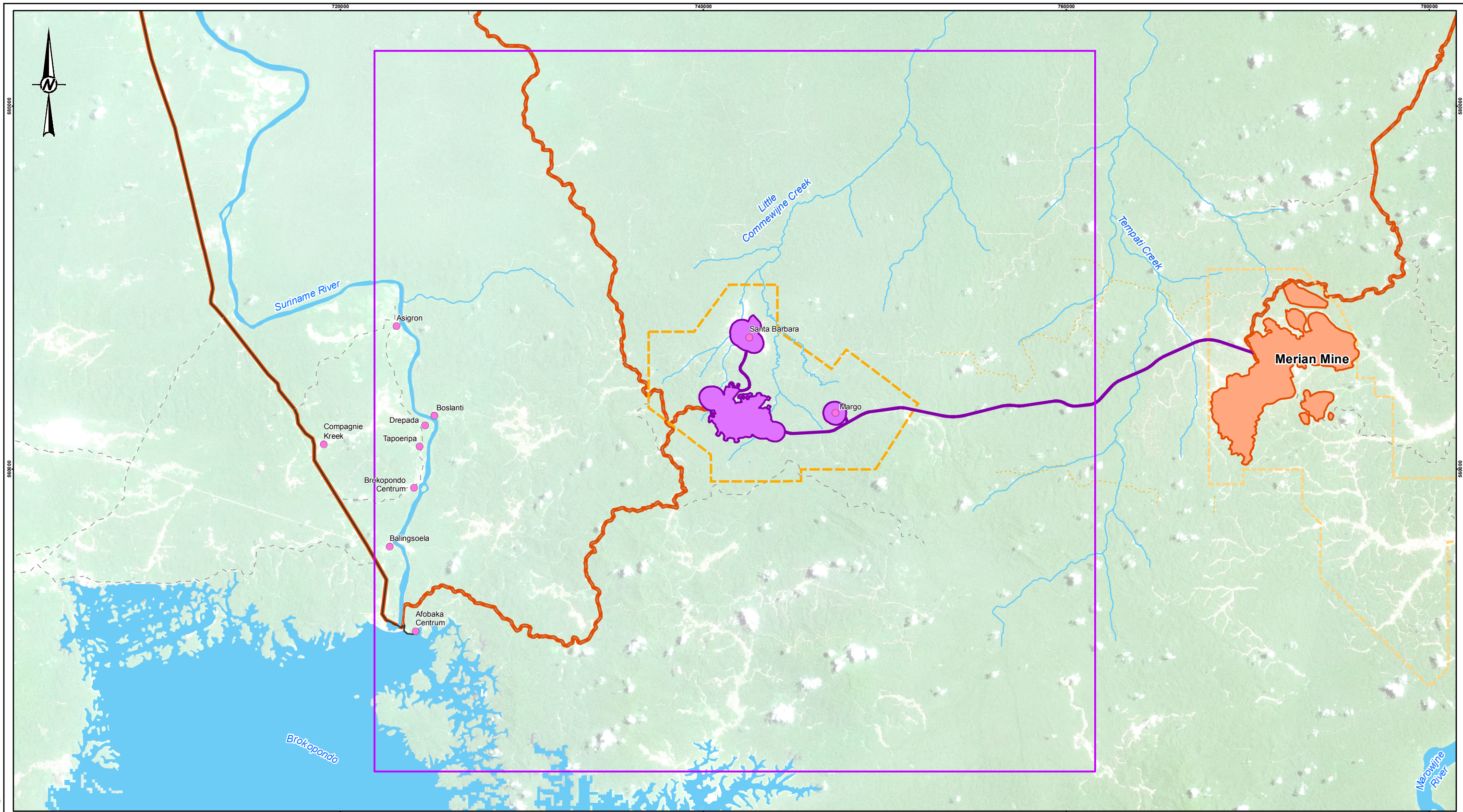
REV.  
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MAP  
 5.1-4

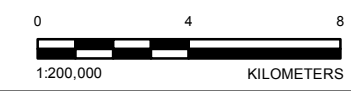
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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ISO A4





- LEGEND**
- PAVED ROAD
  - - UNPAVED ROAD
  - - - - ATV TRAIL
  - WATERCOURSE
  - WATERBODY
  - COMMUNITY
  - STUDY AREA COMMUNITY
  - POTENTIAL PROJECT ACCESS ROAD
  - INTERNATIONAL BOUNDARY
  - AIR MODELLING DOMAIN
  - EXPLOITATION CONCESSION BOUNDARY
  - MERIAN EXPLOITATION BOUNDARY
  - SABAJO PROJECT PHYSICAL IMPACT AREA
  - MERIAN MINE EXISTING AND APPROVED FOOTPRINT



CLIENT  
NEWMONT SURINAME

**REFERENCE(S)**  
BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. IMAGERY OBTAINED FROM COPERNICUS SENTINEL DATA AUGUST 23, 2017.  
DATUM: WGS84 PROJECTION: UTM ZONE 21

PROJECT  
SABAJO PROJECT ESIA

CONSULTANT	YYYY-MM-DD	2018-02-27
DESIGNED	AP	
PREPARED	AL	
REVIEWED	GJ	
APPROVED	GJ	



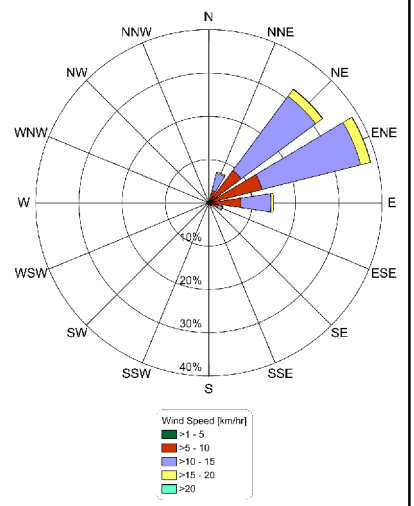
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PROJECT NO.	CONTROL	REV.	MAP
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25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANS B





1 km

500 m

300

200

150

100

100

150

200

300



500 m

1 km

864000

864000

**LEGEND**

-  RECEPTOR
-  ACCESS ROUTE ROAD SEGMENT

CLIENT  
NEWMONT SURINAME

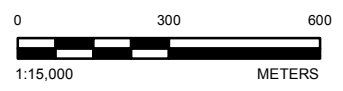
PROJECT  
SABAJO PROJECT ESIA

TITLE  
**PROJECT ACCESS ROUTE GENERIC MODEL DOMAIN**

CONSULTANT



YYYY-MM-DD	2018-02-27
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PREPARED	AL
REVIEWED	GJ
APPROVED	GJ



**REFERENCE(S)**

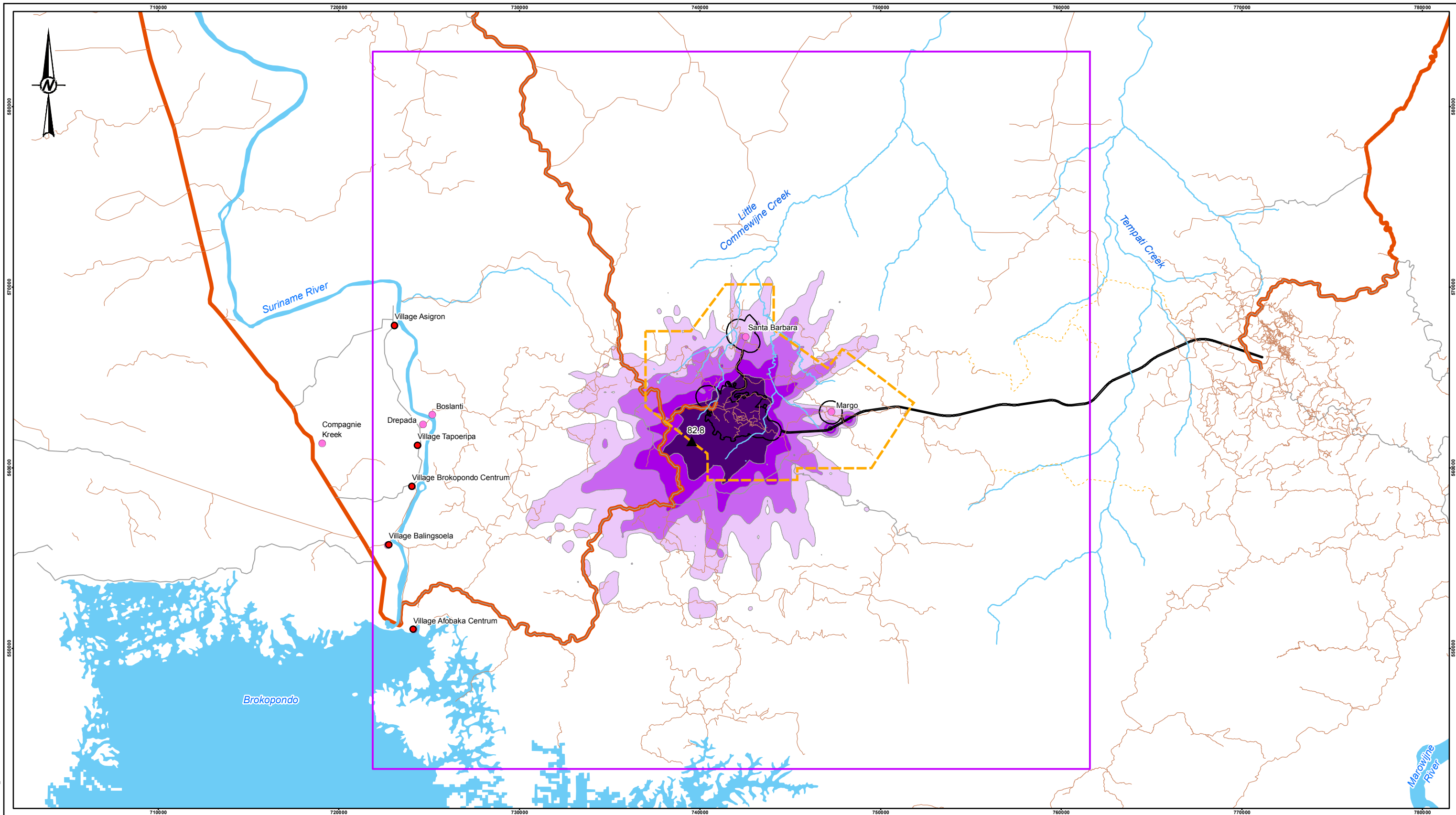
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PROJECT NO. CONTROL  
1669326

REV.  
0

MAP  
5.2-2

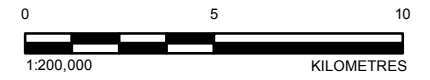




- LEGEND**
- ROAD
  - LOCAL ROAD
  - ATV TRAIL
  - WATERCOURSE
  - WATERBODY
  - STUDY AREA COMMUNITY AND AIR ANALYSIS POINT
  - STUDY AREA COMMUNITY
  - MAXIMUM POINT OF IMPINGEMENT
  - POTENTIAL PROJECT ACCESS ROAD
  - AIR MODELLING DOMAIN
  - EXPLOITATION CONCESSION BOUNDARY
  - SABAJO PROJECT PHYSICAL IMPACT AREA

**CONCENTRATION ( $\mu\text{g}/\text{m}^3$ )**

< 20
20 - 25
25 - 35
35 - 50
> 50
WHO AAQG = $50 \mu\text{g}/\text{m}^3$



CLIENT  
NEWMONT SURINAME

REFERENCE(S)  
BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. IMAGERY OBTAINED FROM COPERNICUS SENTINEL DATA AUGUST 23, 2017.  
DATUM: WGS84 PROJECTION: UTM ZONE 21

PROJECT  
SABAJO PROJECT ESIA

CONSULTANT

YYYY-MM-DD	2018-02-27
DESIGNED	GJ
PREPARED	AL
REVIEWED	GJ
APPROVED	GJ



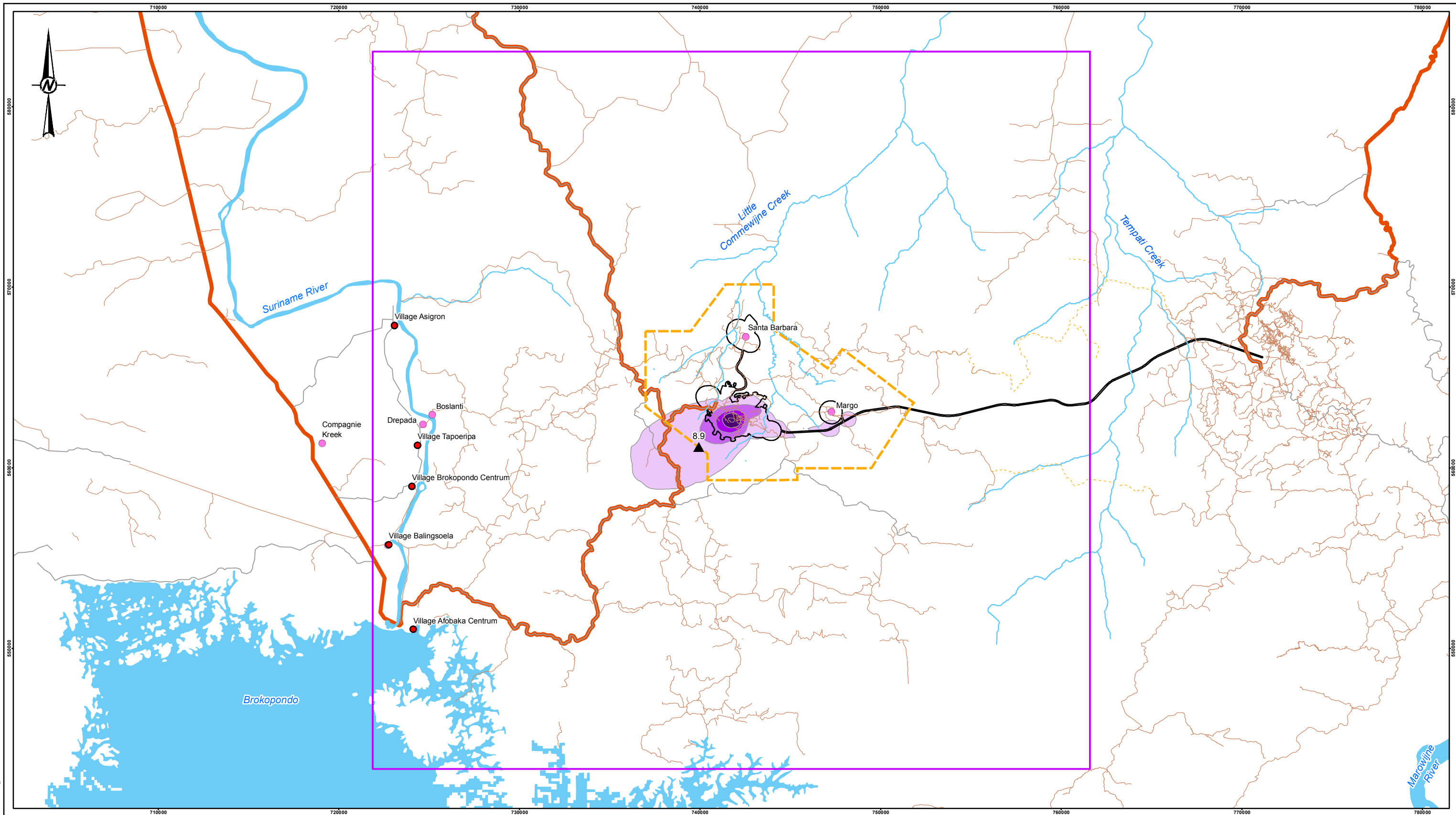
TITLE  
**TOTAL EFFECTS CASE MAXIMUM 24-HOUR PM<sub>10</sub> CONCENTRATIONS**

PROJECT NO.	CONTROL	REV.	MAP
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PATH: I:\2018\1669326\Mapping\Map\MOXD\A\FINAL\1669326\_AIR\_ESIA\_Maps-3-3-8\_CumulativeEffects\_Rev0.mxd PRINTED ON: 2018-02-27 AT: 5:57:41 PM

25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSIB

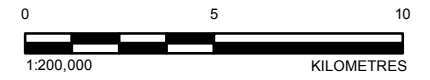




- LEGEND**
- ROAD
  - LOCAL ROAD
  - ATV TRAIL
  - WATERCOURSE
  - WATERBODY
  - STUDY AREA COMMUNITY AND AIR ANALYSIS POINT
  - STUDY AREA COMMUNITY
  - MAXIMUM POINT OF IMPINGEMENT
  - POTENTIAL PROJECT ACCESS ROAD
  - AIR MODELLING DOMAIN
  - EXPLOITATION CONCESSION BOUNDARY
  - SABAJO PROJECT PHYSICAL IMPACT AREA

**CONCENTRATION ( $\mu\text{g}/\text{m}^3$ )**

< 7
7 - 10
10 - 15
15 - 20
> 20
WHO AAQG = $20 \mu\text{g}/\text{m}^3$



CLIENT  
NEWMONT SURINAME

REFERENCE(S)  
BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. IMAGERY OBTAINED FROM COPERNICUS SENTINEL DATA AUGUST 23, 2017.  
DATUM: WGS84 PROJECTION: UTM ZONE 21

PROJECT  
SABAJO PROJECT ESIA

CONSULTANT

YYYY-MM-DD	2018-02-27
DESIGNED	GJ
PREPARED	AL
REVIEWED	GJ
APPROVED	GJ



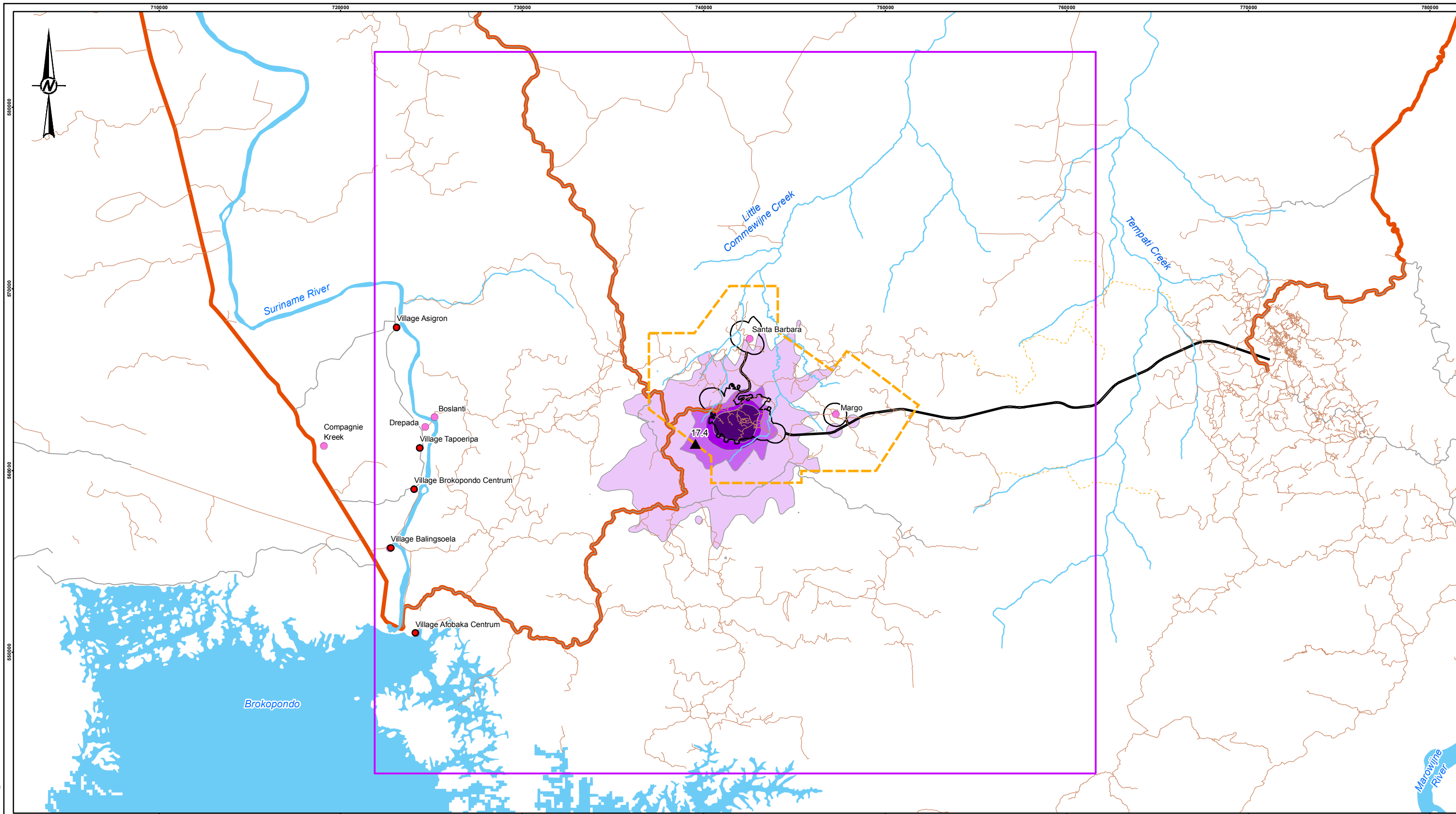
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**TOTAL EFFECTS CASE MAXIMUM ANNUAL PM<sub>10</sub> CONCENTRATIONS**

PROJECT NO.	CONTROL	REV.	MAP
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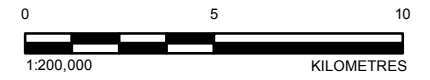




- LEGEND**
- ROAD
  - LOCAL ROAD
  - ATV TRAIL
  - WATERCOURSE
  - WATERBODY
  - STUDY AREA COMMUNITY AND AIR ANALYSIS POINT
  - STUDY AREA COMMUNITY
  - MAXIMUM POINT OF IMPINGEMENT
  - POTENTIAL PROJECT ACCESS ROAD
  - AIR MODELLING DOMAIN
  - EXPLOITATION CONCESSION BOUNDARY
  - SABAJO PROJECT PHYSICAL IMPACT AREA

**CONCENTRATION ( $\mu\text{g}/\text{m}^3$ )**

< 10
10 - 15
15 - 20
20 - 25
> 25
WHO AAQG = $25 \mu\text{g}/\text{m}^3$



CLIENT  
NEWMONT SURINAME

REFERENCE(S)  
BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. IMAGERY OBTAINED FROM COPERNICUS SENTINEL DATA AUGUST 23, 2017.  
DATUM: WGS84 PROJECTION: UTM ZONE 21

PROJECT  
SABAJO PROJECT ESIA

CONSULTANT

YYYY-MM-DD	2018-02-27
DESIGNED	GJ
PREPARED	AL
REVIEWED	GJ
APPROVED	GJ

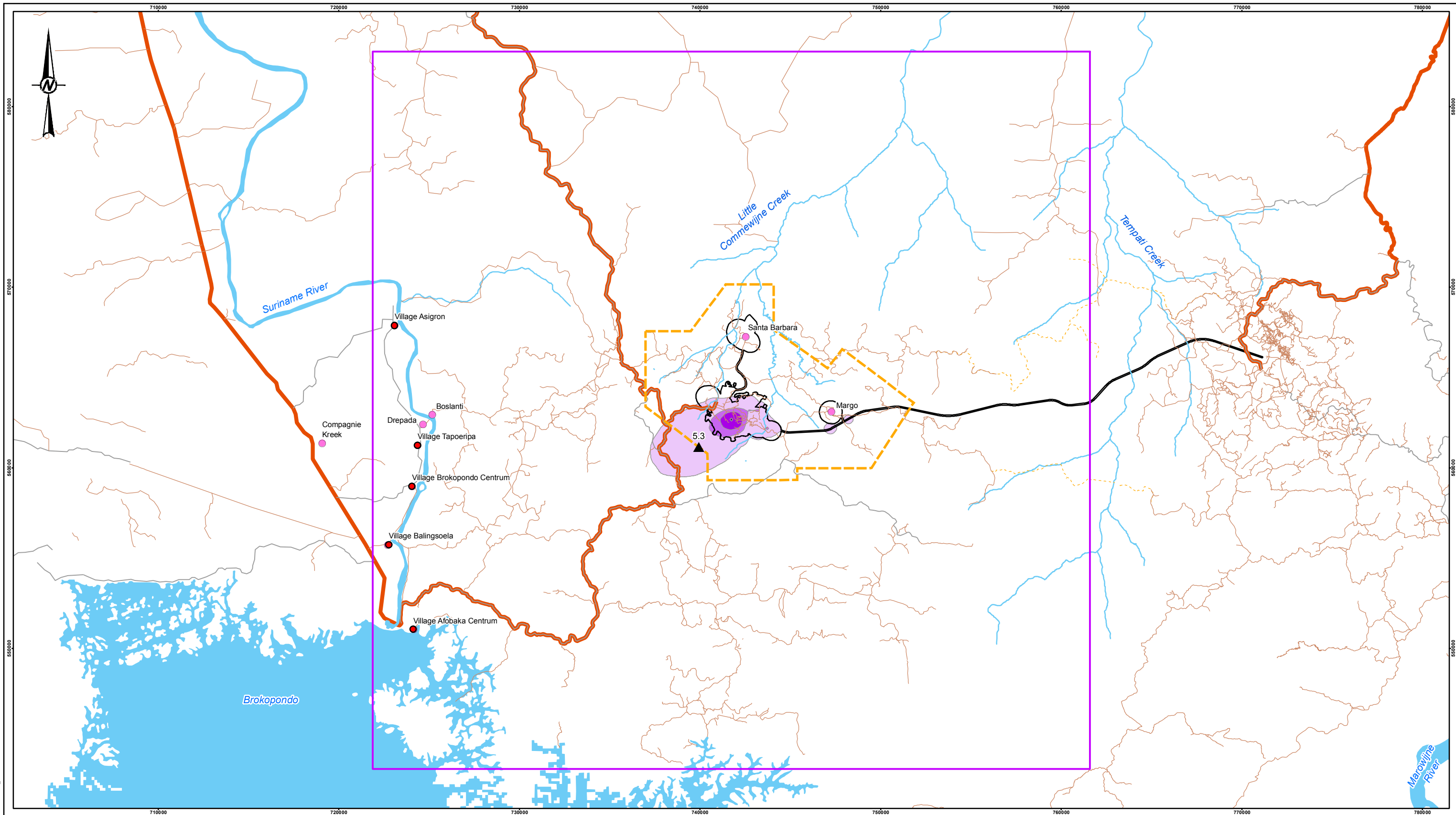


TITLE  
**TOTAL EFFECTS CASE MAXIMUM 24-HOUR PM<sub>2.5</sub> CONCENTRATIONS**

PROJECT NO.	CONTROL	REV.	MAP
1669326		0	5.2-5

PATH: I:\2018\1669326\Mapping\Map\MOXD\AIR\ESIA\_AIR\_Maps\5-2-8\_CumulativeEffects\_Rev0.mxd PRINTED ON: 2018-02-27 AT: 5:57:45 PM  
 25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANS B

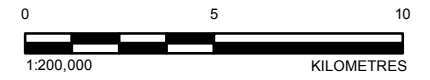




- LEGEND**
- ROAD
  - LOCAL ROAD
  - ATV TRAIL
  - WATERCOURSE
  - WATERBODY
  - STUDY AREA COMMUNITY AND AIR ANALYSIS POINT
  - STUDY AREA COMMUNITY
  - MAXIMUM POINT OF IMPINGEMENT
  - POTENTIAL PROJECT ACCESS ROAD
  - AIR MODELLING DOMAIN
  - EXPLOITATION CONCESSION BOUNDARY
  - SABAJO PROJECT PHYSICAL IMPACT AREA

**CONCENTRATION ( $\mu\text{g}/\text{m}^3$ )**

< 5
5 - 6
6 - 7
7 - 10
> 10
WHO AAQG = $10 \mu\text{g}/\text{m}^3$



CLIENT  
NEWMONT SURINAME

**REFERENCE(S)**  
BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. IMAGERY OBTAINED FROM COPERNICUS SENTINEL DATA AUGUST 23, 2017.  
DATUM: WGS84 PROJECTION: UTM ZONE 21

PROJECT  
SABAJO PROJECT ESIA

CONSULTANT

YYYY-MM-DD	2018-02-27
DESIGNED	GJ
PREPARED	AL
REVIEWED	GJ
APPROVED	GJ



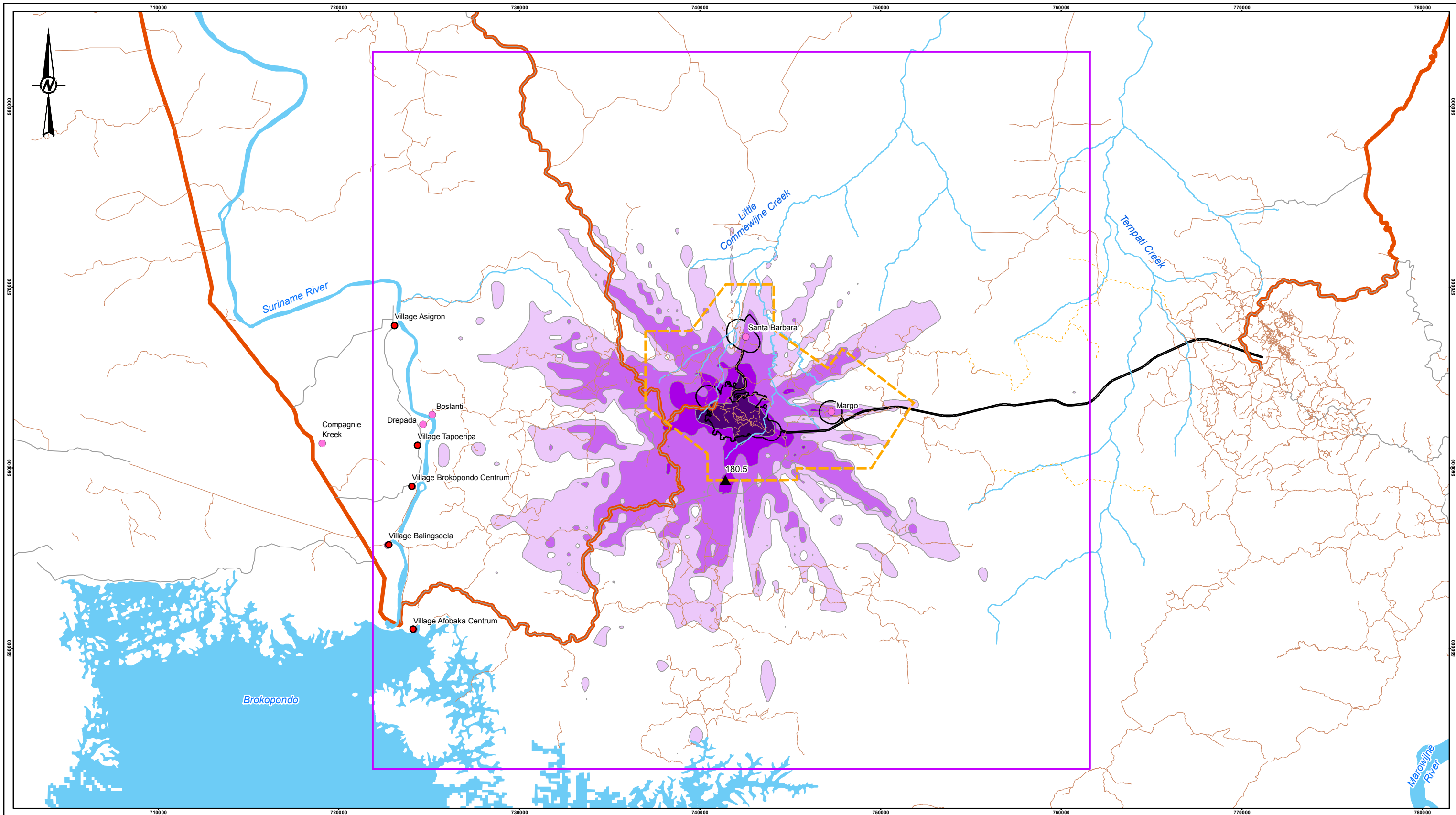
TITLE  
**TOTAL EFFECTS CASE MAXIMUM ANNUAL PM<sub>2.5</sub> CONCENTRATIONS**

PROJECT NO.	CONTROL	REV.	MAP
1669326		0	5.2-6

PATH: I:\2018\1669326\Map\p1669326\_AIR\_ESIA\_Map\5-2-8\_CumulativeEffects\_Rev0.mxd PRINTED ON: 2018-02-27 AT: 5:57:47 PM

25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANS B

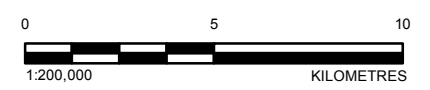




- LEGEND**
- ROAD
  - LOCAL ROAD
  - ATV TRAIL
  - WATERCOURSE
  - WATERBODY
  - STUDY AREA COMMUNITY AND AIR ANALYSIS POINT
  - STUDY AREA COMMUNITY
  - MAXIMUM POINT OF IMPINGEMENT
  - POTENTIAL PROJECT ACCESS ROAD
  - AIR MODELLING DOMAIN
  - EXPLOITATION CONCESSION BOUNDARY
  - SABAJO PROJECT PHYSICAL IMPACT AREA

**CONCENTRATION ( $\mu\text{g}/\text{m}^3$ )**

< 75
75 - 100
100 - 150
150 - 200
> 200
WHO AAQG = 200 $\mu\text{g}/\text{m}^3$



CLIENT  
NEWMONT SURINAME

REFERENCE(S)  
BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. IMAGERY OBTAINED FROM COPERNICUS SENTINEL DATA AUGUST 23, 2017.  
DATUM: WGS84 PROJECTION: UTM ZONE 21

PROJECT  
SABAJO PROJECT ESIA

CONSULTANT

YYYY-MM-DD	2018-02-27
DESIGNED	GJ
PREPARED	AL
REVIEWED	GJ
APPROVED	GJ



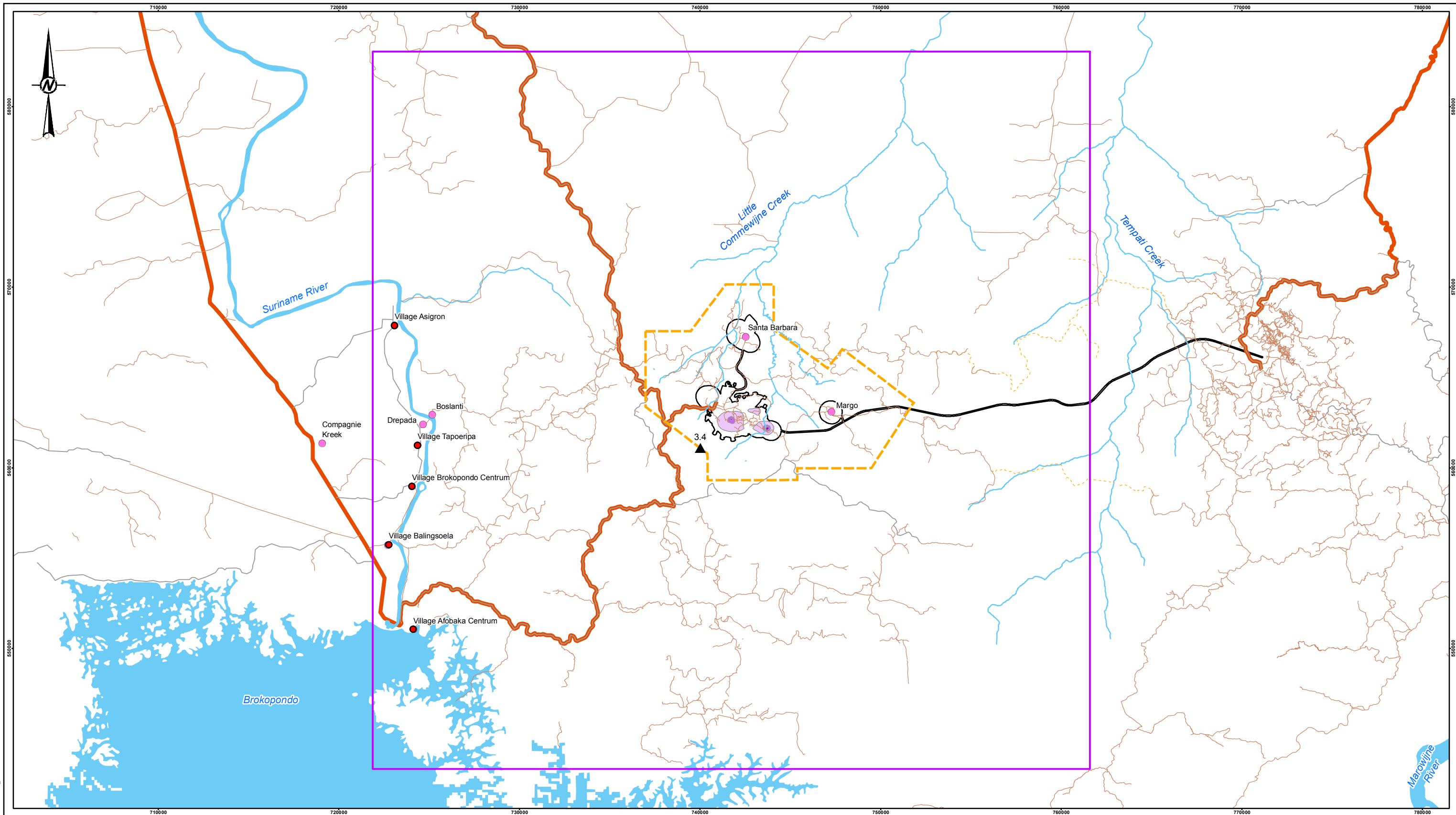
TITLE  
**TOTAL EFFECTS CASE MAXIMUM 1-HOUR NO<sub>2</sub> CONCENTRATIONS**

PROJECT NO.	CONTROL	REV.	MAP
1669326		0	5.2-7

PATH: I:\2018\1669326 Mapping\MOXD\A\FINAL\1669326\_AIR\_ESIA\_Maps-3-2-8\_CumulativeEffects\_Rev0.mxd PRINTED ON: 2018-02-27 AT: 5:57:49 PM

25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANS B





- LEGEND**
- ROAD
  - LOCAL ROAD
  - ATV TRAIL
  - WATERCOURSE
  - WATERBODY
  - STUDY AREA COMMUNITY AND AIR ANALYSIS POINT
  - STUDY AREA COMMUNITY
  - MAXIMUM POINT OF IMPINGEMENT
  - POTENTIAL PROJECT ACCESS ROAD
  - AIR MODELLING DOMAIN
  - EXPLOITATION CONCESSION BOUNDARY
  - SABAJO PROJECT PHYSICAL IMPACT AREA

**CONCENTRATION ( $\mu\text{g}/\text{m}^3$ )**

< 10
10 - 20
20 - 25
25 - 40
WHO AAQG = 40 $\mu\text{g}/\text{m}^3$



CLIENT  
NEWMONT SURINAME

**REFERENCE(S)**  
BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. IMAGERY OBTAINED FROM COPERNICUS SENTINEL DATA AUGUST 23, 2017.  
DATUM: WGS84 PROJECTION: UTM ZONE 21

PROJECT  
SABAJO PROJECT ESIA

CONSULTANT

YYYY-MM-DD	2018-02-27
DESIGNED	GJ
PREPARED	AL
REVIEWED	GJ
APPROVED	GJ



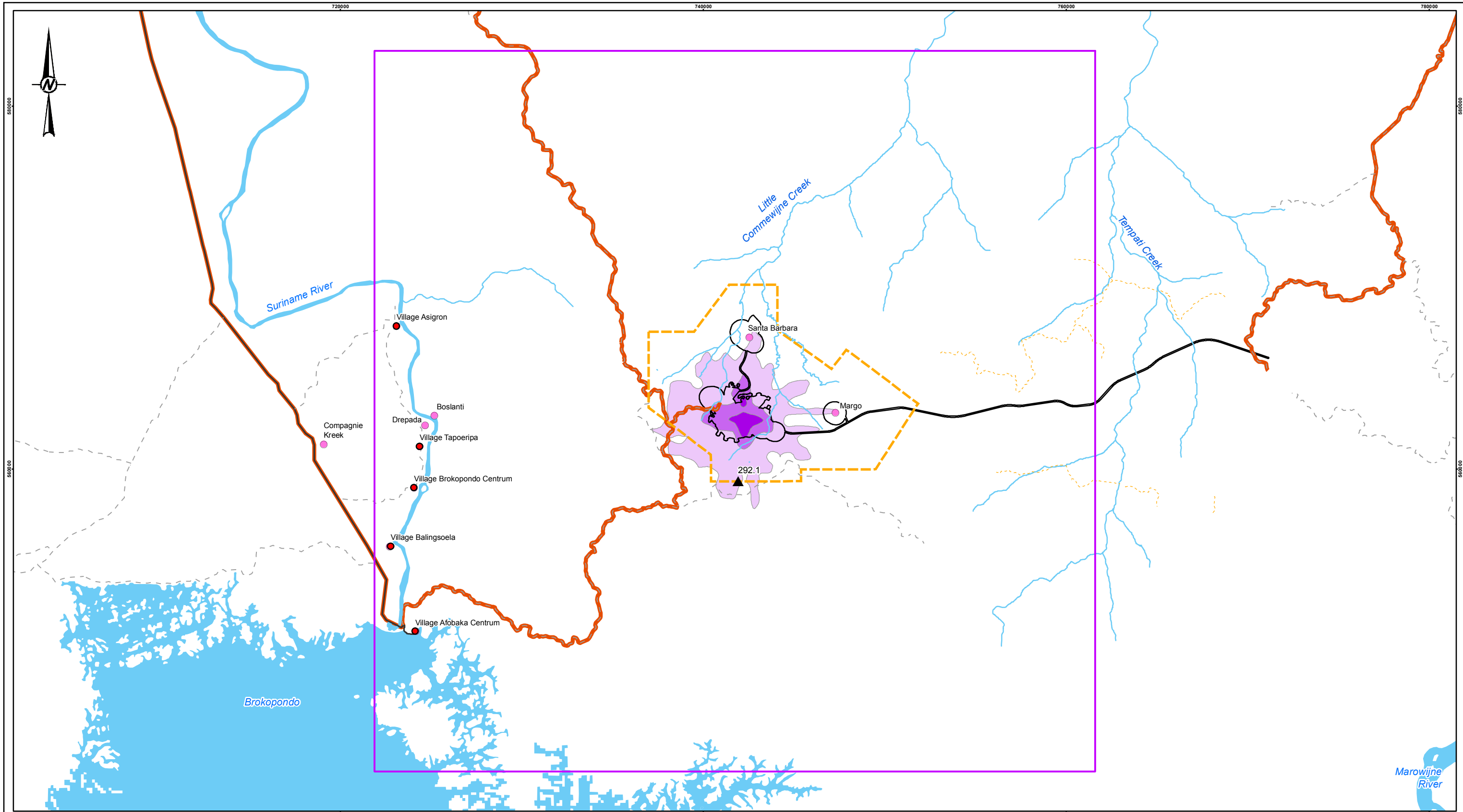
TITLE  
**TOTAL EFFECTS CASE MAXIMUM ANNUAL NO<sub>2</sub> CONCENTRATIONS**

PROJECT NO.	CONTROL	REV.	MAP
1669326		0	5.2-8

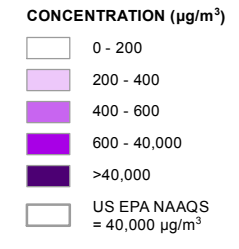
PATH: I:\2018\1669326\Mapping\Map\MOXD\A\FINAL\1669326\_AIR\_ESIA\_Maps-3-3-8\_CumulativeEffects\_Rev0.mxd PRINTED ON: 2018-02-27 AT: 5:57:55 PM

25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANS B





- LEGEND**
- PAVED ROAD
  - - - UNPAVED ROAD
  - - - - - ATV TRAIL
  - WATERCOURSE
  - WATERBODY
  - STUDY AREA COMMUNITY AND AIR ANALYSIS POINT
  - STUDY AREA COMMUNITY
  - ▲ MAXIMUM POINT OF IMPINGEMENT
  - POTENTIAL PROJECT ACCESS ROAD
  - AIR MODELLING DOMAIN
  - EXPLOITATION CONCESSION BOUNDARY
  - SABAJO PROJECT PHYSICAL IMPACT AREA



CLIENT  
NEWMONT SURINAME

CONSULTANT	YYYY-MM-DD	2018-02-28
	DESIGNED	GJ
	PREPARED	AL
	REVIEWED	GJ
	APPROVED	GJ

**REFERENCE(S)**  
BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. IMAGERY OBTAINED FROM COPERNICUS SENTINEL DATA AUGUST 23, 2017.  
DATUM: WGS84 PROJECTION: UTM ZONE 21

PROJECT  
SABAJO PROJECT ESIA

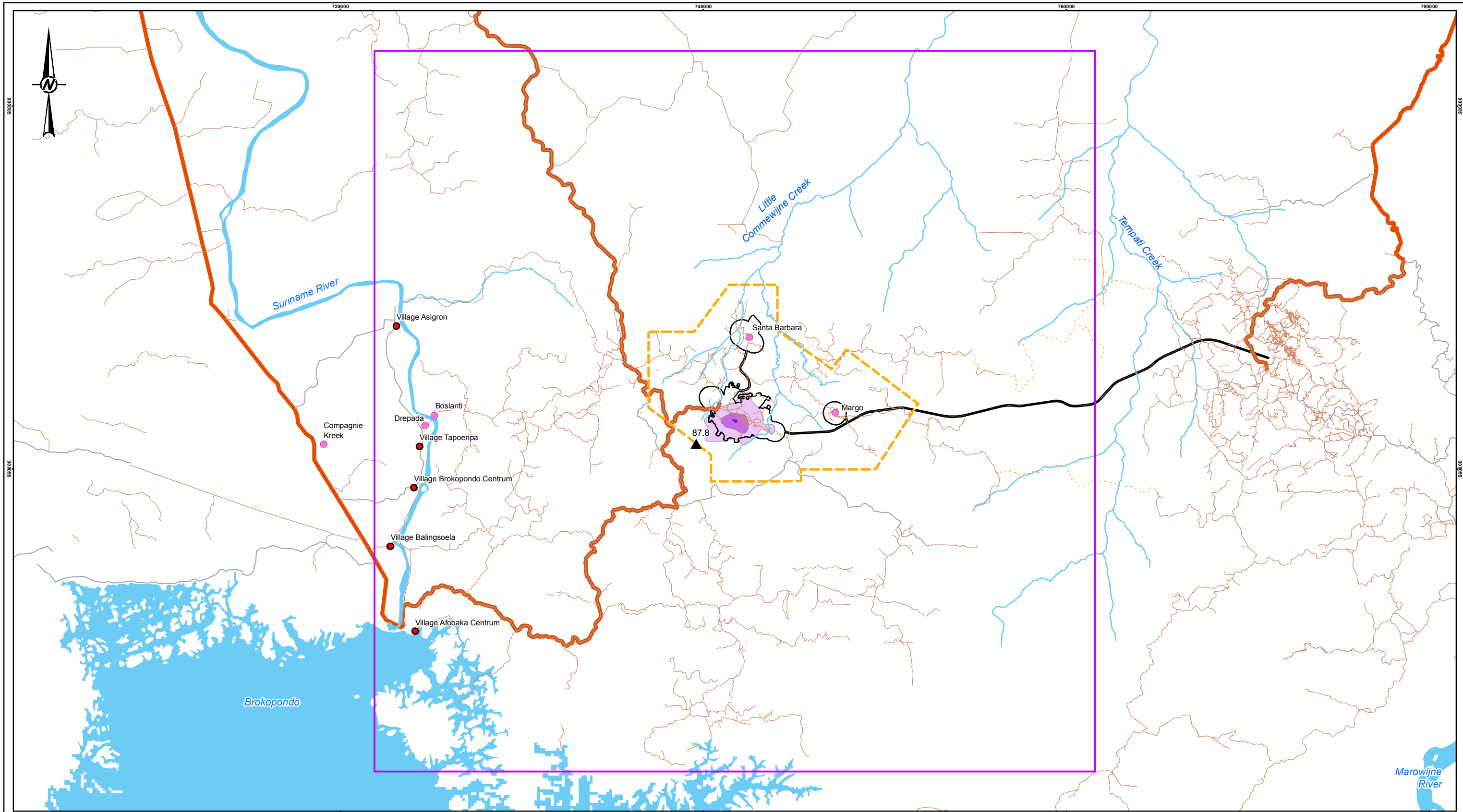
**TITLE**  
TOTAL EFFECTS CASE MAXIMUM  
1-HOUR CO CONCENTRATIONS

PROJECT NO.	CONTROL	REV.	MAP
1669326		0	5.2-9

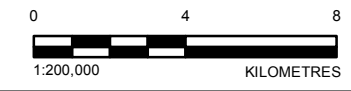
PATH: I:\2018\1669326\Map\p1669326\_AIR\_ESIA\_Map5\_2\_9\_Theur\_CO\_Rev0.mxd PRINTED ON: 2018-02-28 AT 8:50:58 AM

25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSIB





LEGEND	
	ROAD
	LOCAL ROAD
	ATV TRAIL
	WATERCOURSE
	WATERBODY
	STUDY AREA COMMUNITY AND AIR ANALYSIS POINT
	STUDY AREA COMMUNITY
	MAXIMUM POINT OF IMPINGEMENT
	POTENTIAL PROJECT ACCESS ROAD
	AIR MODELLING DOMAIN
	EXPLOITATION CONCESSION BOUNDARY
	SABAJO PROJECT PHYSICAL IMPACT AREA
	CONCENTRATION (µg/m³)
	0 - 100
	100 - 200
	200 - 300
	300 - 10,000
	>10,000
	US EPA NAAQS = 10,000 µg/m³



CLIENT  
NEWMONT SURINAME

REFERENCE(S)  
BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. IMAGERY OBTAINED FROM COPERNICUS SENTINEL DATA AUGUST 23, 2017.  
DATUM: WGS84 PROJECTION: UTM ZONE 21

PROJECT  
SABAJO PROJECT ESIA

CONSULTANT



YYYY-MM-DD	2018-02-27
DESIGNED	GJ
PREPARED	AL
REVIEWED	GJ
APPROVED	GJ

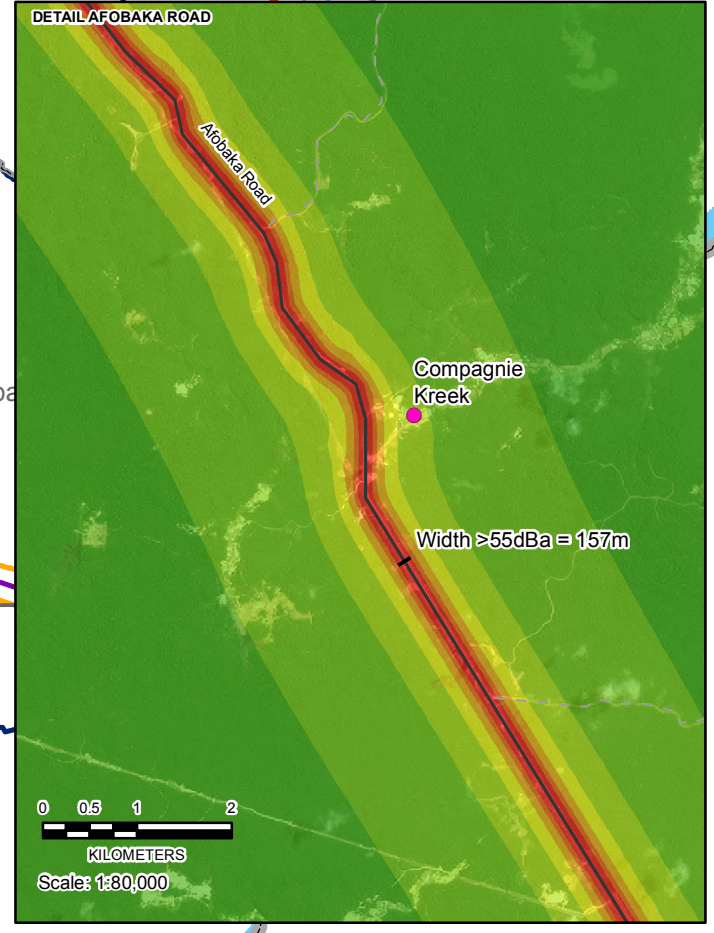
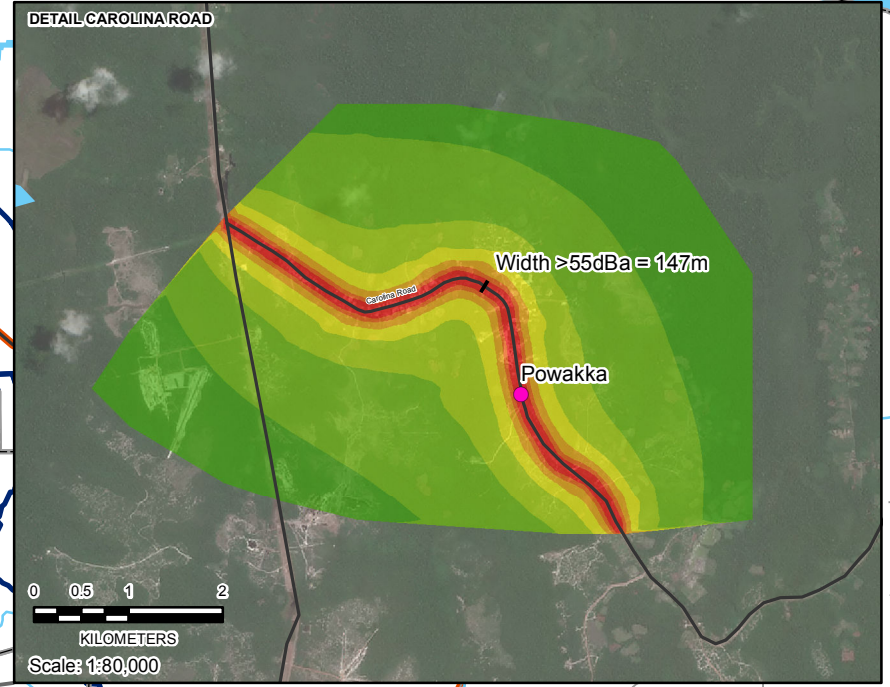
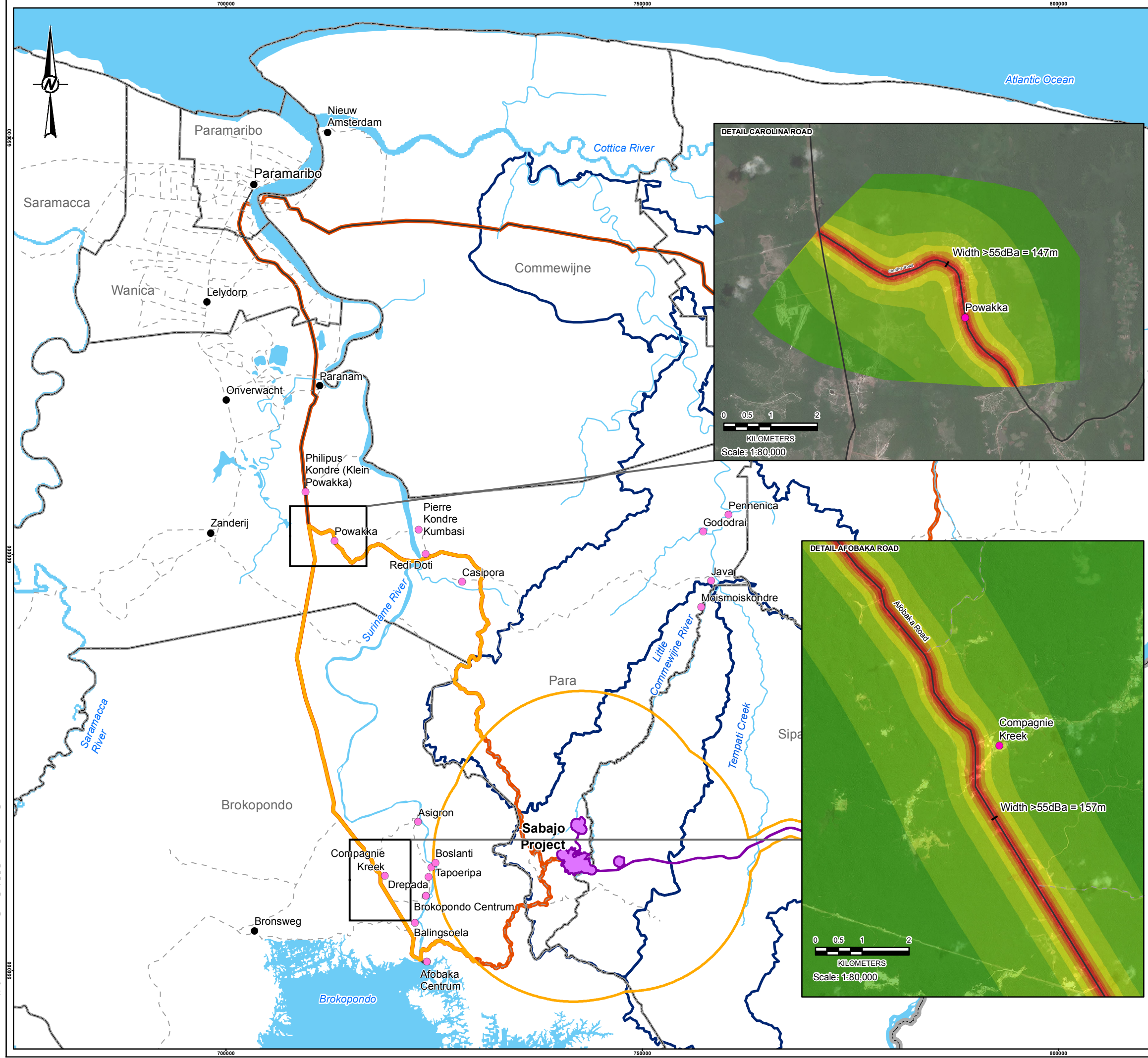
TITLE  
**TOTAL EFFECTS CASE MAXIMUM  
8-HOUR CO CONCENTRATIONS**

PROJECT NO.	CONTROL	REV.	MAP
1669326		0	5.2-10

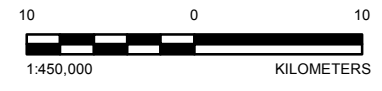
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25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B





- LEGEND**
- STUDY AREA COMMUNITY
  - OTHER COMMUNITY
  - DISTRICT BOUNDARY
  - INTERNATIONAL BOUNDARY
  - PAVED ROAD
  - - - UNPAVED ROAD
  - WATERCOURSE
  - WATERBODY
  - POTENTIAL PROJECT ACCESS ROAD
  - SABAJO PROJECT FOOTPRINT
  - AIR AND NOISE EFFECTS STUDY AREA
  - REGIONAL WATERSHED
- TOTAL TRAFFIC NOISE LEVEL PREDICTION [dBA]**
- <30
  - 30-35
  - 35-40
  - 40-45
  - 45-50
  - 50-55
  - >55



**REFERENCE(S)**  
 BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT.  
 DATUM: WGS84 PROJECTION: UTM ZONE 21

**CLIENT**  
 NEWMONT SURINAME

**PROJECT**  
 SABAJO PROJECT ESIA

**TITLE**  
 ROADSIDE NOISE RESULTS

CONSULTANT	YYYY-MM-DD	2018-02-27
DESIGNED	JP	
PREPARED	AL	
REVIEWED	GJ	
APPROVED	GJ	

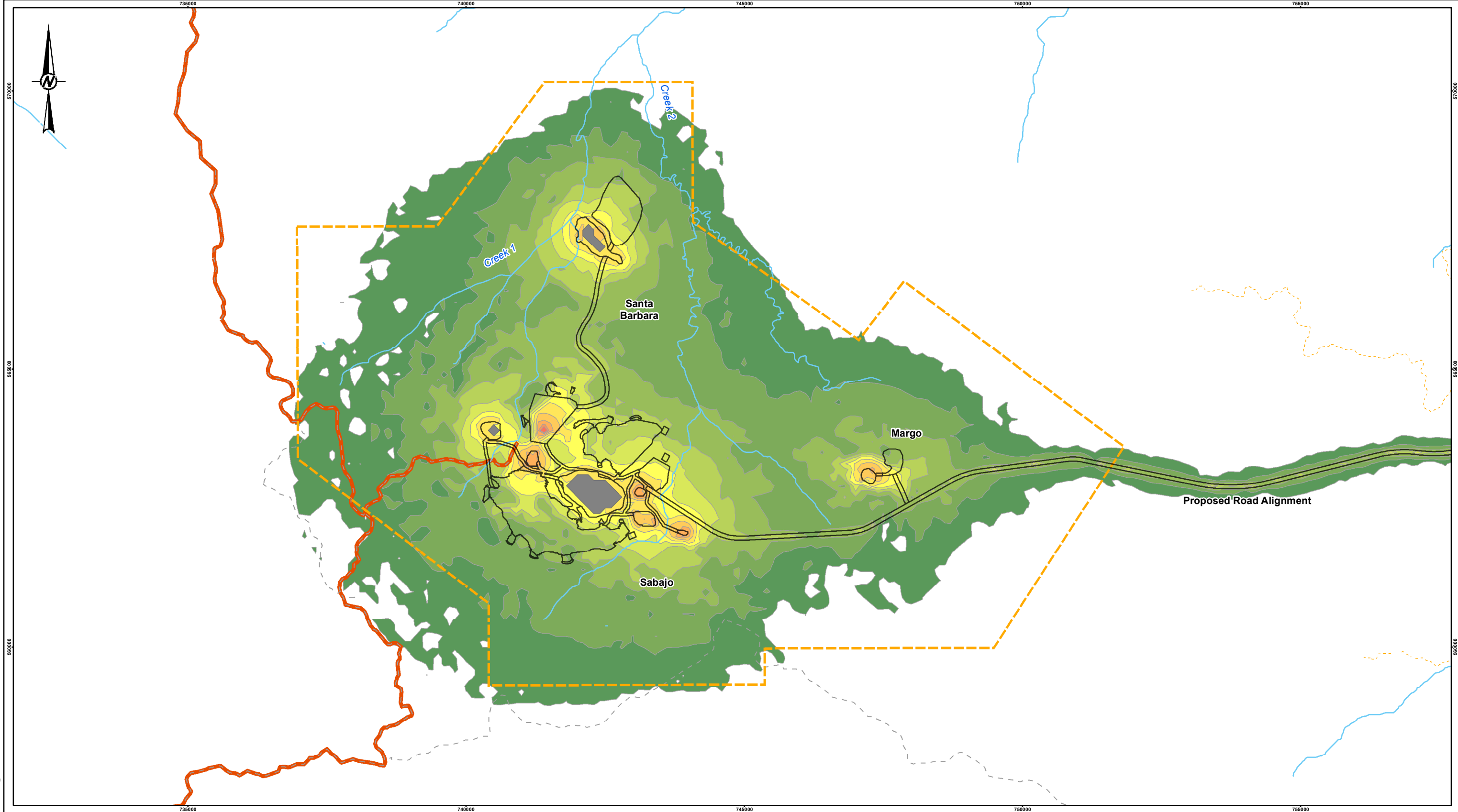


PROJECT NO. 1669326 CONTROL REV. 0 MAP 5.3-1

P:\TH\1201611669326 Map\p1669326\_Noise\FINAL\1669326\_NOISE\_Map5\_3\_1\_Roadside\_NoiseResults\_Fwd.mxd PRINTED ON: 2018-02-27 AT: 8:31:57 PM

28mm IF THIS REPRESENTS DOES NOT MATCH WITH THE SHOWN THE SHEET SIZE HAS BEEN ADJUSTED FROM ANS/D





**LEGEND**

- PAVED ROAD
- - UNPAVED ROAD
- - - - - ATV TRAIL
- WATERCOURSE
- WATERBODY
- POTENTIAL PROJECT ACCESS ROAD
- - - - - EXPLOITATION CONCESSION BOUNDARY
- SABAJO

**PROJECT NOISE LEVELS [dBA]**

- 35-40
- 40-45
- 45-50
- 50-55
- 55-60
- 60-65
- 65-70
- 70-75
- 75-80
- 80-85
- 85+
- IN PIT MODELLING AREA



CLIENT  
NEWMONT SURINAME

CONSULTANT



YYYY-MM-DD	2018-02-27
DESIGNED	GJ
PREPARED	AL
REVIEWED	GJ
APPROVED	GJ

**REFERENCE(S)**  
BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. IMAGERY OBTAINED FROM COPERNICUS SENTINEL DATA AUGUST 23, 2017.  
DATUM: WGS84 PROJECTION: UTM ZONE 21

PROJECT  
SABAJO PROJECT ESIA

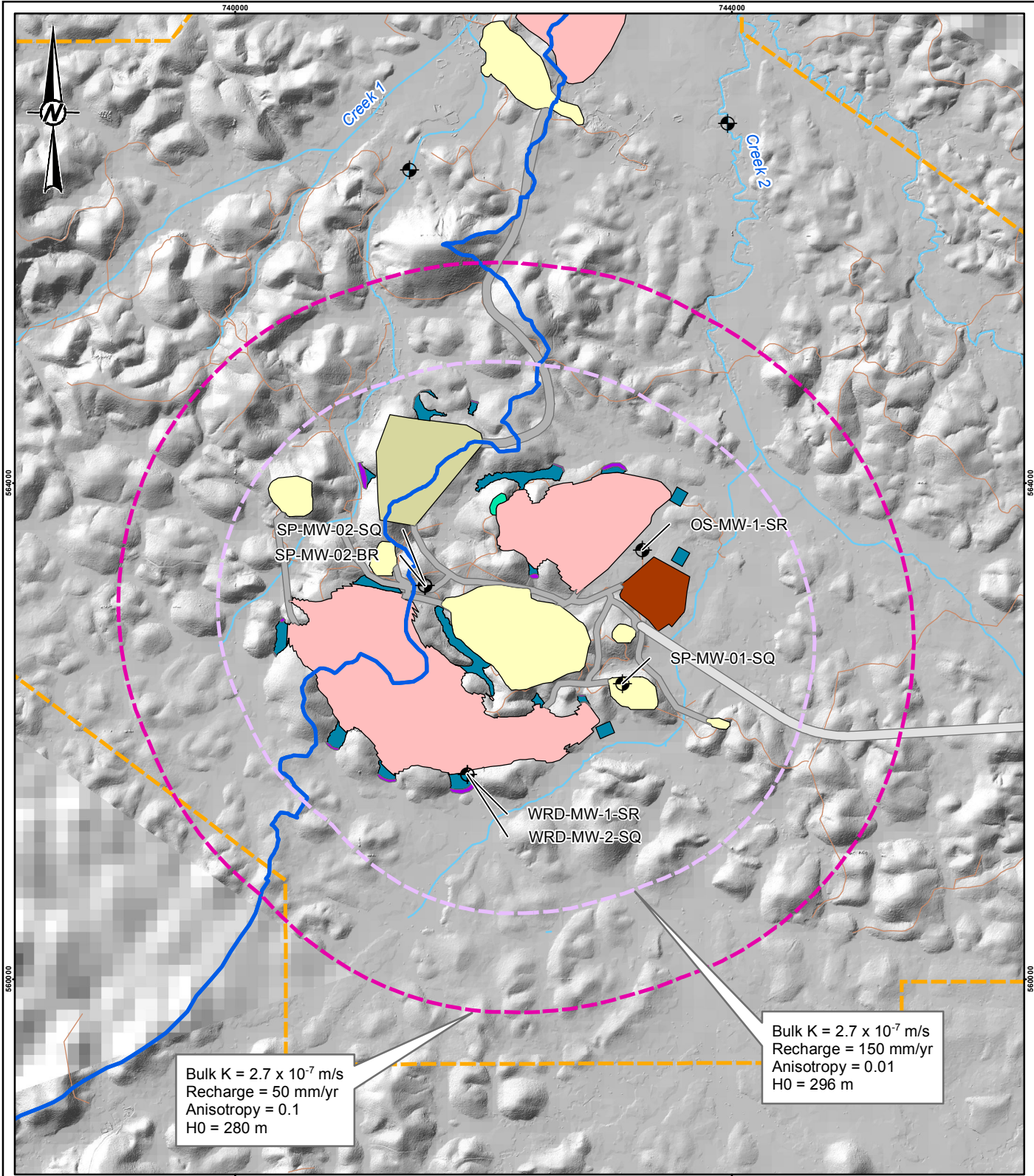
TITLE  
**MINE AREA NOISE RESULTS**

PROJECT NO.	CONTROL	REV.	MAP
1669326		0	5.3-2

PATH: I:\2018\1669326\_Mapping\MOX\Noise\FINAL\1669326\_NOISE\_Map5\_3\_2\_Project-Noise-Contours\_Rev0.mxd PRINTED ON: 2018-02-27 AT: 6:32:04 PM

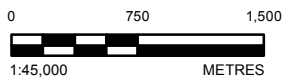
25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSIS





**LEGEND**

- GROUND WATER MONITORING LOCATION
- LOCAL ROAD
- WATERCOURSE
- EXPLOITATION CONCESSION BOUNDARY
- DRAINAGE DIVIDE
- PROJECT FOOTPRINT**
- PIT
- STOCKPILE
- WASTE ROCK STORAGE FACILITY
- SURFACE FACILITIES
- LANDFILL
- ROAD
- MERIAN TRANSPORT CORRIDOR
- WATER MANAGEMENT BERM
- WATER MANAGEMENT POND
- MINIMUM PREDICTED RADIUS-OF-INFLUENCE BASED ON AVERAGE PERMEABILITY CONDITIONS (BUFFER OF 1,800 M AROUND PIT 1)
- MAXIMUM PREDICTED RADIUS-OF-INFLUENCE BASED ON AVERAGE PERMEABILITY CONDITIONS (BUFFER OF 2,600 M AROUND PIT 1)



**NOTE(S)**

K = HYDRAULIC CONDUCTIVITY, M/S = METERS PER SECOND, MM/YR = MILLIMETERS PER YEAR, ANISOTROPY = RATIO OF THE VERTICAL K TO THE HORIZONTAL K, H0 = INITIAL SATURATED THICKNESS OF THE ULTIMATE PIT WALL (PRE-MINING)

**REFERENCE(S)**

BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT.  
DATUM: WGS84 PROJECTION: UTM ZONE 21

CLIENT  
**NEWMONT SURINAME**

PROJECT  
**SABAJO PROJECT ESIA**

TITLE  
**PREDICTED RADIUS-OF-INFLUENCE FROM DEWATERING ACTIVITIES AT SABAJO PIT 1 AT END OF MINING (YEAR 11)**

CONSULTANT



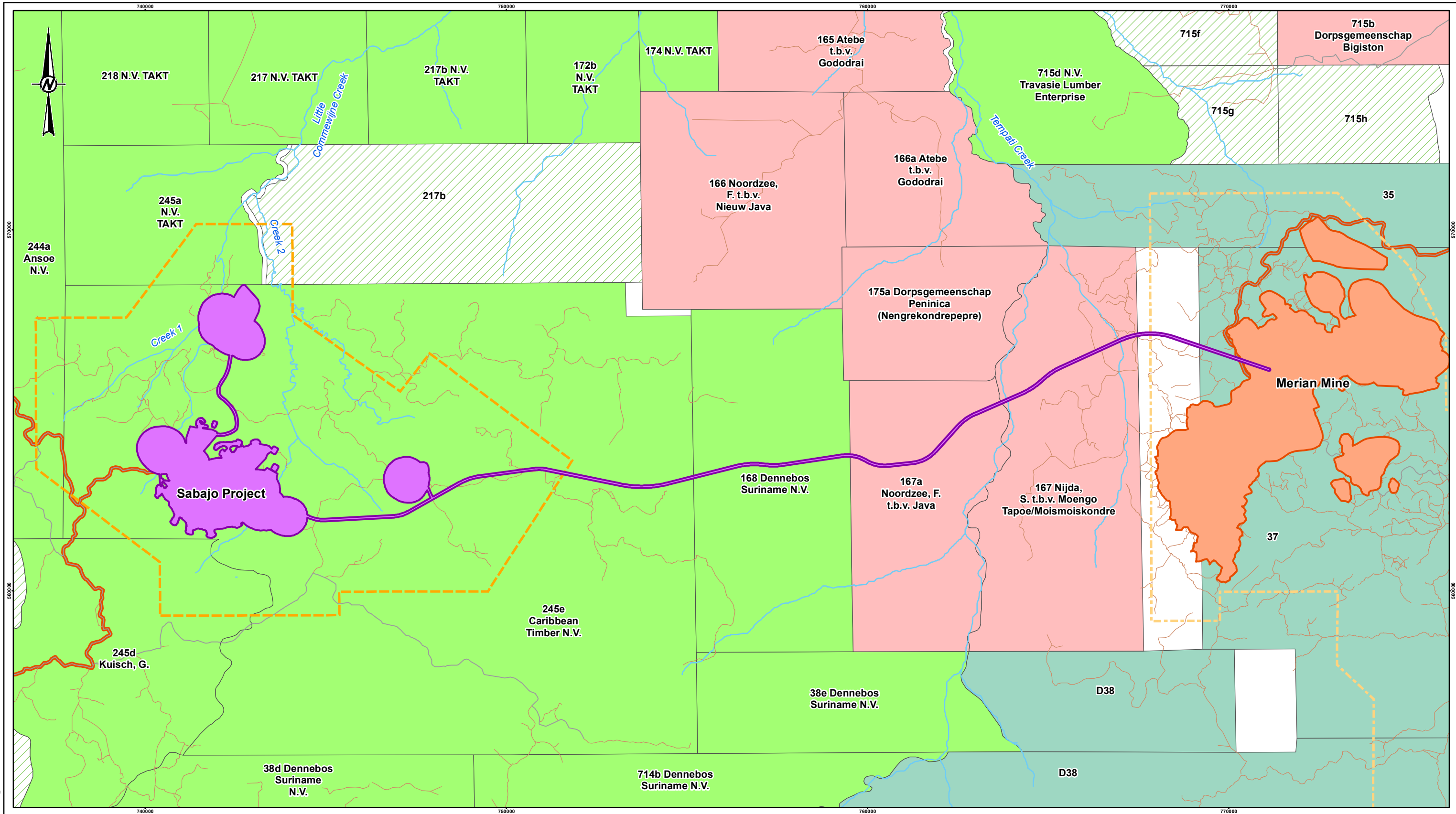
YYYY-MM-DD	2018-02-27
DESIGNED	DH
PREPARED	AL
REVIEWED	GJ
APPROVED	GJ

PROJECT NO. CONTROL  
**1669326**

REV.  
**0**

MAP  
**5.5-1**





- LEGEND**
- ROAD
  - LOCAL ROAD
  - WATERCOURSE
  - WATERBODY
  - POTENTIAL PROJECT ACCESS ROAD
  - SABAJO PROJECT PHYSICAL IMPACT AREA
  - MERIAN MINE EXISTING AND APPROVED FOOTPRINT
  - EXPLOITATION CONCESSION BOUNDARY
  - MERIAN EXPLOITATION BOUNDARY



**REFERENCE(S)**  
 BASE DATA, TOPOGRAPHY AND FORESTRY CONCESSIONS PROVIDED BY NEWMONT.  
 DATUM: WGS84 PROJECTION: UTM ZONE 21

CLIENT  
**NEWMONT SURINAME**

PROJECT  
**SABAJO PROJECT ESIA**

CONSULTANT	YYYY-MM-DD	2018-02-27
DESIGNED	GJ	
PREPARED	AL	
REVIEWED	GJ	
APPROVED	GJ	

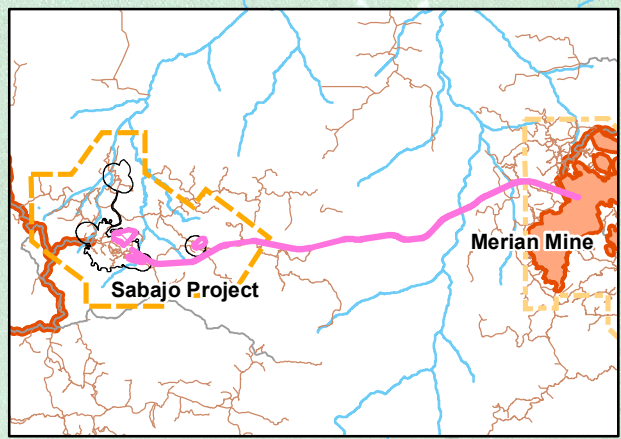
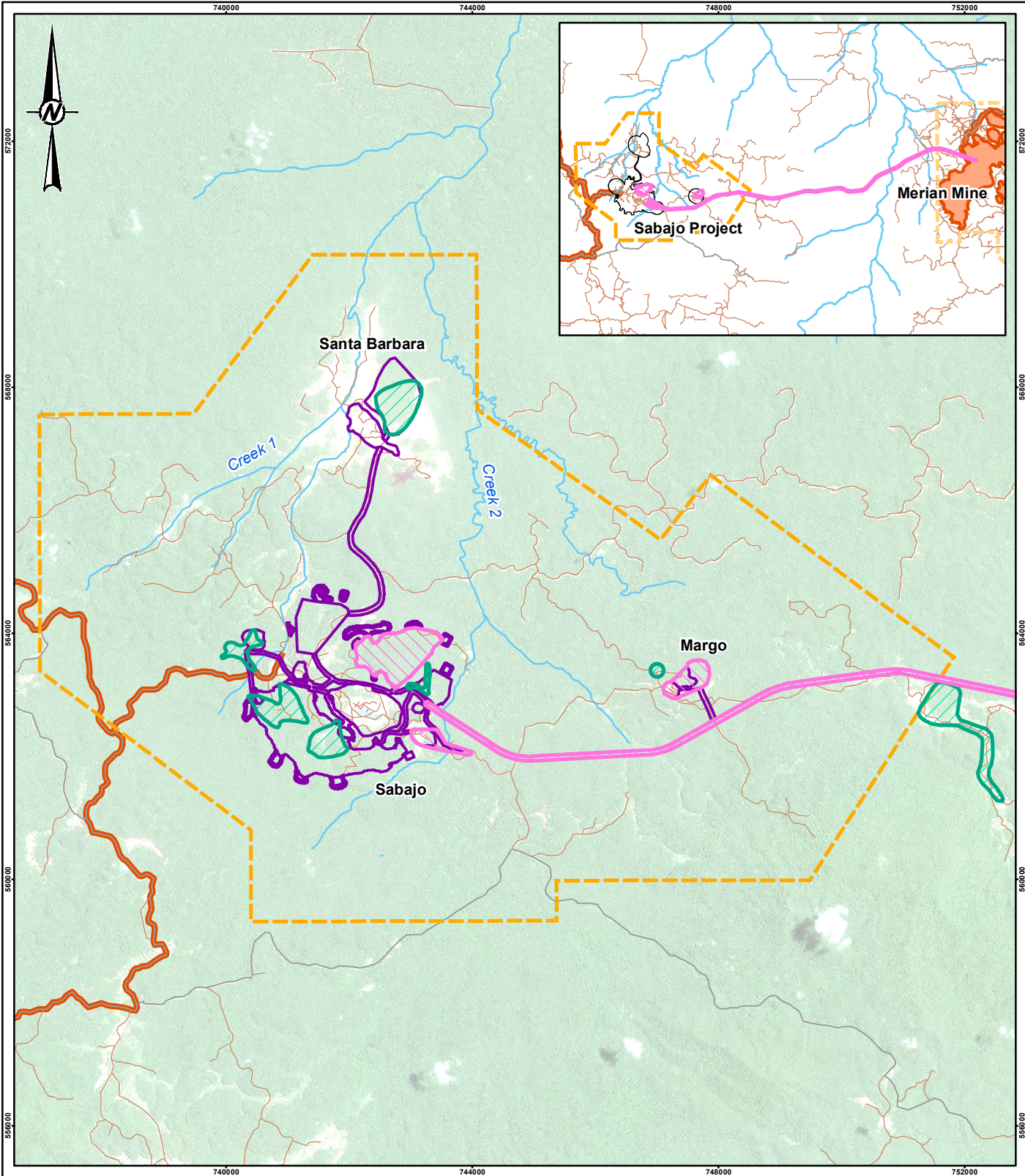
TITLE  
**PROJECT ACCESS ROAD AND FORESTRY CONCESSIONS**

PROJECT NO.	CONTROL	REV.	MAP
1669326		0	5.9-1

PATH: I:\2018\1669326\_Mapping\MXD\Scale\FINAL\1669326\_SDC\_Map\9-9\_L\_Forestry-Concessions\_Rev0.mxd PRINTED ON: 2018-02-27 AT: 6:32:09 PM

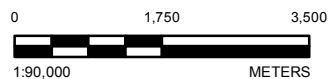
25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B





**LEGEND**

- ROAD
- LOCAL ROAD
- WATERCOURSE
- WATERBODY
- POTENTIAL PROJECT ACCESS ROAD
- EXPLOITATION CONCESSION BOUNDARY
- SABAJO PROJECT FOOTPRINT
- HIGH POTENTIAL SITE SURVEY COVERAGE
- AREA REQUIRING SURVEY PRIOR TO DISTURBANCE



**REFERENCE(S)**

BASE DATA AND TOPOGRAPHY PROVIDED BY NEWMONT. IMAGERY OBTAINED FROM COPERNICUS SENTINEL DATA AUGUST 23, 2017. DATUM: WGS84 PROJECTION: UTM ZONE 21

CLIENT  
NEWMONT SURINAME

PROJECT  
SABAJO PROJECT ESIA

TITLE  
**AREAS REQUIRING SURVEY FOR CULTURAL HERITAGE BEFORE CONSTRUCTION**

CONSULTANT



YYYY-MM-DD	2018-02-27
DESIGNED	GJ
PREPARED	AL
REVIEWED	GJ
APPROVED	GJ

PROJECT NO. CONTROL  
1669326

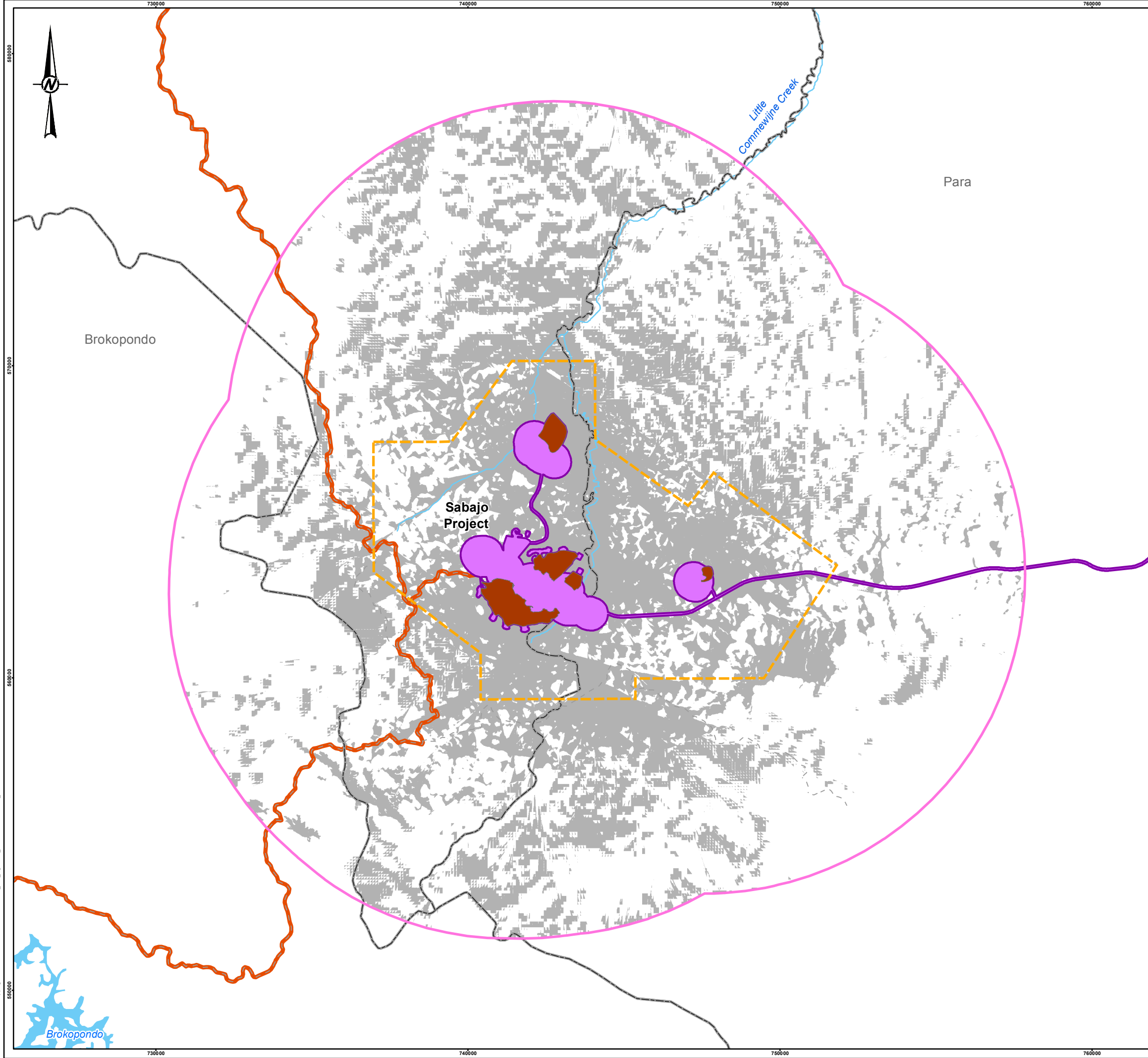
REV.  
0

MAP  
5.9-2

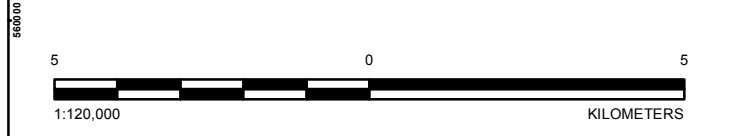
PATH: I:\2018\1669326\Maping\MXD\Cultural Heritage\FINAL\1669326\_CULT\_Map5-9-2\_CulturalHeritage-Survey\_Rev0.mxd PRINTED ON: 2018-02-27 AT: 6:27:22 PM

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ISO A4





- LEGEND**
- PAVED ROAD
  - - UNPAVED ROAD
  - DISTRICT BOUNDARY
  - WATERCOURSE
  - WATERBODY
  - POTENTIAL PROJECT ACCESS ROUTES
  - EXPLOITATION CONCESSION BOUNDARY
  - SABAJO PROJECT PHYSICAL IMPACT AREA
  - WASTE ROCK STORAGE FACILITY / STOCKPILE
  - SABAJO VISUAL EFFECTS STUDY AREA
  - WASTE ROCK STORAGE FACILITY / STOCKPILE NOT VISIBLE
  - WASTE ROCK STORAGE FACILITY / STOCKPILE VISIBLE



**NOTE(S)**  
 WASTE ROCK STORAGE FACILITY HEIGHTS FOR SANTA BARBARA AND MARGO WERE ASSUMED TO BE 65M ABOVE AVERAGE GROUND ELEVATION WITHIN THE FEATURE FOOTPRINT.

**REFERENCE(S)**  
 BASE DATA, PROJECT DATA AND TOPOGRAPHY PROVIDED BY NEWMONT.  
 DATUM: WGS84 PROJECTION: UTM ZONE 21

CLIENT  
 NEWMONT SURINAME

PROJECT  
 SABAJO PROJECT ESIA

TITLE  
**WASTE ROCK STORAGE FACILITY AND STOCKPILE VISIBILITY**

CONSULTANT	YYYY-MM-DD	2018-02-27
	DESIGNED	GJ
	PREPARED	AL
	REVIEWED	GJ
	APPROVED	GJ

PROJECT NO.	CONTROL	REV.	MAP
1669326		0	5.11-1

P:\1669326\1669326\_Mapping\MOXD\VisualResources\FINAL\VIS\_Figs\11-1\_WasteRock-Visibility\11-1\_WasteRock-Visibility.mxd PRINTED ON: 2018-02-27 AT: 6:33:27 PM

25mm IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM A4/B