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1 Hour CO Concentrations from Operations at the Mine Site		
Legend		
 Settlement 		
Mining Transient Camp		
Merian Right of		
Industrial Zone Boundary		
Minimum Contour: 4500 ug/m3 Interval: 20 No values greater than IFC Standard 40000 ug/m3 0 1 2 4 6 8		
km		
SURGOLD		
SURGOLD		
SURGOLD ERM	GIS/MXD	
SURGOLD ERM Project:	Merian/GIS/MXD	
SURGOLD ERM Project: MERIAN	mont - Merian/GIS/MXD	
SURGOLD ERM Project: MERIAN Sub-Project:	S/Newmont - Merian/GIS/MXD	
SURGOLD ERM Project: MERIAN Sub-Project: Environmental & Social Impact Assessment	PROJECTS/Newmont - Merian/GIS/MXD	
SURGOLD ERM Project: MERIAN Sub-Project: Environmental & Social Impact Assessment Date: 5/18/12	rvices/PROJECTS/Newmont - Merian/GIS/MXD	
SURGOLD ERM Project: MERIAN Sub-Project: Environmental & Social Impact Assessment Date: 5/18/12 Created By: J. Huston	ntal Services/PROJECTS/Newmont - Merian/GIS/MXD	
SURGOLD ERM Project: MERIAN Sub-Project: Environmental & Social Impact Assessment Date: 5/18/12 Created By: J. Huston Coordinate System: N/A	vironmental Services/PROJECTS/Newmont - Merian/GIS/MXD	







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LEGEND	
	CONTOUR (25m INTERVAL)
	WATERSHED DIVIDE (MAROWJINE-COMMEWJINE)
	SURFACE WATER DIVIDE
	GROUNDWATER DIVIDE
	RIGHT OF EXPLOITATION
	CREEK (APPROXIMATE)
	PLANT
	PIT
	WASTE ROCK DISPOSAL AREA (WRD)
	TAILINGS STORAGE FACILITY (TSF)
	SEDIMENTATION POND
EP-A0	EVALUATION POINT
	FLOW DIVERSION

NOTES

1. LOCATION 6A OF THE TREATED WATER STORAGE RESERVOIR WILL BE IN SERVICE DURING PHASE 1 OF THE TAILINGS STORAGE FACILITY AND WILL ACT AS A STARTER DAM FOR THE PHASE 2 TAILINGS STORAGE FACILITY.

2. LOCATION 6B OF THE TREATED WATER STORAGE RESERVOIR WILL BE IN SERVICE DURING PHASE 2 OF THE TAILINGS STORAGE FACILITY AND WILL ACT AS A STARTER DAM FOR THE PHASE 3 TAILINGS STORAGE FACILITY (ANNEX).



Figure 19-2



MERIAN GOLD PROJECT

Mine Site Water Management







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Existing and Proposed Fragmentation

Legend

Environmental Study Area
 Existing Road
 Proposed Project-related Clearing
 Existing Cleared Areas

Note: Existing Cleared Areas are a combination of cleared areas for cultivation, tree logging, and Artisanal and Small Scale Mining Source: Bing Maps Aerial

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0	1,700

3,400 Meters

1 inch = 2,676 meters





Project:

MERIAN

Sub-Project:

Environmental & Social Impact Assessment

Date: 5/10/12

Created By: Jonathan Connelly

Coordinate System: Zanderij_1972_UTM_Zone_21N

Figure 21-3