

Table 5.12: Summary of actual and anticipated water resource and water quality problems associated with mining operations and mineral processing activities in the Olifants basin.

Sub-catchment	Gold Mines	Base Metal Mines	Smelters	Small-Scale Mining	Other
Wilge	<ul style="list-style-type: none"> Enkeldoring (closed): very minor localized AMD 	-	-	-	<ul style="list-style-type: none"> Vergenoeg: minor F Minor TSS from quarrying operations
Little Olifants - Riet	-	<ul style="list-style-type: none"> Black Wattle: minor Cu, AMD Minor Cu and AMD from closed copper mines 	<ul style="list-style-type: none"> Several coal coking plants and power stations: High TDS, pH, SO₄, some metals 	-	<ul style="list-style-type: none"> Numerous collieries: Very extensive and high AMD, Fe, Mn, very low pH, high TDS, SO₄, metals
Middle Olifants	<ul style="list-style-type: none"> Several small gold mines (closed): minor localized AMD possible, also CN and metals (Zn, Cu, Mn, Fe) 	<ul style="list-style-type: none"> Several medium to large chrome, vanadium and platinum mines: moderate to high AMD, V, hexavalent Cr, TDS, pH, SO₄ Stavoren (closed): minor AMD, TDS, Zn, Sn Lebowa Kgomo (closed): minor Mn, Fe, TDS 	<ul style="list-style-type: none"> Platinum refineries: metals, TDS, pH 	-	<ul style="list-style-type: none"> Andalusite mines: minor TSS and TDS Minor TSS and TDS possible from several quarrying operations Asbestos fibres possible from closed asbestos mines
Steelpoort	-	<ul style="list-style-type: none"> Several medium to large chrome, vanadium and platinum mines: moderate to high AMD, V, hexavalent Cr, TDS, pH, SO₄ Magneetshoogte: Fe, Mn Mapochs: Cu, V, Mo 	<ul style="list-style-type: none"> Tubatse Ferrochrome: moderate AMD, V, Cr, Fe, Mn, pH, TDS Lannex Chrome: pH, TDS hexavalent Cr, Fe 	-	<ul style="list-style-type: none"> Several quarrying operations: minor TSS Several vermiculite operations: TSS Several chrome and vanadium prospects: minor Cr and V
Blyde	<ul style="list-style-type: none"> Morgenzon, Astra: minor localized AMD, CN, TDS 	-	-	<ul style="list-style-type: none"> Few alluvial miners: minor TSS 	-
Selati	<ul style="list-style-type: none"> Discovery, Inyoni: minor AMD, As, Hg, CN, TDS, SO₄, pH 	<ul style="list-style-type: none"> Athens, Alpha: Sb, Zn, Sn Palabora: high Cu, AMD, TDS, pH, P, Cd 	<ul style="list-style-type: none"> Palabora Copper Smelter: Cu, SO₄, TDS 	-	<ul style="list-style-type: none"> Foskor Vermiculite: minor TSS Foskor: TDS, pH, P, Cu, Fe, Mn
Middle & Great Letaba	<ul style="list-style-type: none"> Main Mine: minor AMD, As, Zn, Sn, Sb, pH, TDS, CN 	<ul style="list-style-type: none"> Soekmekaar Corundum: minor TSS and Fe 	-	<ul style="list-style-type: none"> Giyani alluvial: minor TSS, Hg, metals 	<ul style="list-style-type: none"> Minor TSS from quarrying operations and vermiculite mines
Shingwedzi	<ul style="list-style-type: none"> Shingwedzi (closed): minor As, metals, TDS 	-	-	<ul style="list-style-type: none"> Giyani alluvial: minor TSS, As, Hg, metals 	-
Timbavati - Klaserie	-	-	-	-	-
Lower Olifants (Moz.)	-	-	-	-	-