

LIST OF SPATIAL DATA USED

Please note that full metadata for each shapefile is provided electronically with the data

SHAPEFILE	DESCRIPTION	ORIGIN OF DATA
ATMOSPHERE AND CLIMATE		
emm_air_pollution_points	Proposed Provincial Air Pollution Monitoring Stations Within Ekurhuleni Metropolitan Municipality	Mr Vis Reddy, Air Quality Specialist,SRK
emm_buffer_100m_roads_vehicle_emmissions	100 meter buffer for roads within Ekurhuleni Metropolitan Municipality	Mr Donald Gibson, Environmental Scientist, SRK
emm_buffer_1km_jia_pollution	1km buffer around Johannesburg International Airport within Ekurhuleni Metropolitan Municipality	Mr Donald Gibson, Environmental Scientist, SRK
emm_noise_contours	Noise Contours for Johannesburg International Airport within Ekurhuleni Metropolitan Municipality	Airports Company of South Africa(ACSA), Mr Badisa Matshego
BIODIVERSITY		
emm_bird_sanctuaries	Bird Sanctuaries within the Ekurhuleni Metropolitan Municipality	Received latitude and longitude reference points from Avian Demography Unit
emm_c_plan	Conservation Plan within Ekurhuleni Metropolitan Municipality	Gauteng Conservation Plan (version1)(DACEL)
emm_protected_areas	Areas of Conservation Importance and Protected Areas within Ekurhuleni Metropolitan Municipality	Gauteng Open Space Project Phase 2 (GDACEL)
CULTURAL HERITAGE		
emm_archaeology	Archaeological sites within Ekurhuleni Metropolitan Municipality	Locations received from Dr Julius Pistorius
emm_arts_culture_&_heritage	Arts, Culture and Heritage within Ekurhuleni Metropolitan Municipality	Draft Masterplan for SRAC (EMM)
GEOLOGY		
emm_faults	Faults within the Ekurhuleni Metropolitan Municipality	Digitized from 1: 250 000 series geological map (2628)
emm_geology	Geology of Ekurhuleni Metropolitan Municipality	Digitized from 1: 250 000 series geological map (2628)
emm_lineation_dykes	Lineation dykes of Ekurhuleni Metropolitan Municipality	Digitized from 1: 250 000 series geological map (2628)
HUMAN AND ECONOMIC		
emm_clinics	Clinics within Ekurhuleni Metropolitan Municipality	EMM IDP 2003 and Map Studio
emm_hospitals	Hospitals within Ekurhuleni Metropolitan Municipality	EMM IDP 2003 and Map Studio
emm_police_stations	Police Stations within Ekurhuleni Metropolitan Municipality	EMM IDP 2003 and Map Studio
emm_population	Population within Ekurhuleni Metropolitan Municipality	Census Data 2001 (mainplace.shp) (Municipal Demarcation Board)
emm_population_subplace	Population within Ekurhuleni Metropolitan Municipality	Census Data 2001 (mainplace.shp) (Municipal Demarcation Board)
emm_schools	Schools within Ekurhuleni Metropolitan Municipality	Census Data 2001 (mainplace.shp) (Municipal Demarcation Board)

SHAPEFILE	DESCRIPTION	ORIGIN OF DATA
HYDROLOGY		
emm_100yr_floodlines	100 year floodlines within Ekurhuleni Metropolitan Municipality	SRK Data
emm_catchments	Vector Shapefile of Quarternary catchments in South Africa	Captured during the water Research Commission 1990 Report, resaved with new heading in 2002
emm_dams	Dams within Ekurhuleni Metropolitan Municipality	Clipped from WRC90
emm_dwaf_blesbokspruit_monitoring_points	DWAF Blesbokspruit monitoring Points within Ekurhuleni Metropolitan Municipality	Department of Water Affairs and Forestry
emm_dwaf_Klipriver_monitoring_points	DWAF Klipriver monitoring points within Ekurhuleni Metropolitan Municipality	Department of Water Affairs and Forestry
emm_pans	Pans within Ekurhuleni Metropolitan Municipality	WR90
emm_ramsar_site	RAMSAR Site within Ekurhuleni Metropolitan Municipality	Created by SRK
emm_randwater_monitoring_points	Randwater monitoring points within Ekurhuleni Metropolitan Municipality	Rand Water
emm_rivers	Rivers	WR90
emm_rivers_gauteng	Rivers in Gauteng	Gauteng Open Space Project Phase 2 (GDACEL)
emm_wetlands	Wetlands in EMM	NLC2000
LANDCOVER		
emm_erosion_prediction	Erosion Prediction within Ekurhuleni Metropolitan Municipality	Gauteng Natural Resource Audit 2001 (Institute of Soil Climate and Water)(GDACEL)
emm_nlc_2000	Land Cover in Ekurhuleni Metropolitan Municipality	Nation Land Cover 2000 Version1.1 (CSIR and ARC)(DEAT)
emm_ridges	Ridges within Ekurhuleni Metropolitan Municipality	Gauteng Open Space Project Phase 2 (GDACEL)
emm_veg_low_rebelo	Vegetation types, natural habitats and untransformed grassland within Ekurhuleni Metropolitan Municipality	Interpreted from National Land Cover 2000 Version 1.1 and Low and Rebelo (1996)
LANDUSE		
emm_agricultural_potential	Agricultural potential within Ekurhuleni Metropolitan Municipality	Gauteng Agricultural Potential Atlas 2002(Strategic Environmental Focus)(GDACEL)
emm_buffer_100m_mines	100 meter buffer of mines within the Ekurhuleni Metropolitan Municipality	Interpreted from Buffer Zones Project data (GDACEL)
emm_buffer_500m_minedump	500 meter buffer of minedumps within Ekurhuleni Metropolitan Municipality	Interpreted from Buffer Zones Project data (GDACEL)
emm_buffer_500m_townships_informal_settlements	500 meter buffer of Townships and Informal Settlements within Ekurhuleni Metropolitan Municipality	Interpreted from Buffer Zones Project data (GDACEL)
emm_buffer_industries	Buffer od Industries within the Ekurhuleni Metropolitan Municipality	Interpreted from Buffer Zones Project data (GDACEL)
emm_buffer_slimesdump	Buffer of Slimes Dumps within Ekurhuleni Metropolitan Municipality	Interpreted from Buffer Zones Project data (GDACEL)
emm_combined_degradation_index	Land degradation - combined degradation index within Ekurhuleni Metropolitan Municipality	Hoffman et al (2000)
emm_factory	Factories within Ekurhuleni Metropolitan Municipality	Interpreted from Buffer Zones Project data (GDACEL)
emm_industries_category_1	Industrial Area - Category 1 within Ekurhuleni Metropolitan Municipality	Interpreted from Buffer Zones Project data (GDACEL)

SHAPEFILE	DESCRIPTION	ORIGIN OF DATA
emm_industries_category_2	Industrial Area - Category 2 within Ekurhuleni Metropolitan Municipality	Interpreted from Buffer Zones Project data (GDACEL)
emm_informal_settlement_1	Informal Settlements within Ekurhuleni Metropolitan Municipality	Interpreted from Buffer Zones Project data (GDACEL)
emm_informal_settlement_2	Informal Settlements within Ekurhuleni Metropolitan Municipality	Interpreted from Buffer Zones Project data (GDACEL)
emm_informal_squatter_camps	Informal Sgatter Camps within Ekurhuleni Metropolitan Municipality	Interpreted from Buffer Zones Project data (GDACEL)
emm_land_capability	Land Capability within Ekurhuleni Metropolitan Municipality	Gauteng Agricultural Potential Atlas 2002 (GDACEL)
emm_soil_slope	Soil and Slope Units in Ekurhuleni Metropolitan Municipality	Gauteng Agricultural Potential Atlas 2002 (GDACEL)
OTHER		
emm_boundary	Ekurhuleni Metropolitan Municipality Boundary	Municipal Demarcation Board
emm_jhb_II_airport_tracks	Johannesburg International Airport Tracks within Ekurhuleni Metropolitan Municipality	Airports Company of South Africa(ACSA), Mr Badisa Matshego
emm_jhbairport	Johannesburg International Airport in Ekurhuleni Metropolitan Municipality	created by SRK
emm_railway	Railways in Ekurhuleni Metropolitan Municipality	Municipal Demarcation Board
emm_railway_sa	Railways in SA	Municipal Demarcation Board
emm_roads_main	Roads in Ekurhuleni Metropolitan Municipality	Downloadable Data
emm_roads_main_sa	Roads in SA	Municipal Demarcation Board
emm_sdr_boundary	Service Delivery Centre boundaries	EMM
emm_towns	Towns in Ekurhuleni Metropolitan Municipality	Municipal Demarcation Board
WASTE		
emm_buffer_general Wastesites	Buffer of general wastesites within Ekurhuleni Metropolitan Municipality	Buffer Zones Project data (GDACEL)
emm_buffer_hazardous_wastesites	Buffer of Hazardous Wastesites within Ekurhuleni Metropolitan Municipality	Buffer Zones Project data (GDACEL)
emm_buffer_sewagesites	Buffer of General Sewage Sites within Ekurhuleni Metropolitan Municipality	Buffer Zones Project data (GDACEL)
emm_landfills	Landfill Sites within Ekurhuleni Metropolitan Municipality	Buffer Zones Project data (GDACEL)
emm_mine_dumps	Mine dumps within Ekurhuleni Metropolitan Municipality	Buffer Zones Project data (GDACEL)
emm_slimes_dams	Slimes Dams within Ekurhuleni Metropolitan Municipality	Buffer Zones Project data (GDACEL)
emm_waste_sites	Waste Sites Within Ekurhuleni Metropolitan Municipality	Buffer Zones Project data (GDACEL)