

Land Evaluation Tool data layer name	unit on map (calculation layer)	minimum value	maximum value	mean	standard deviation	origin	file name
Soil - Available Water Capacity	% (has been converted from mm to % by division 10)	3	16	8.297	1.084	ISRIC 2016 (converted mm to % by division 10)	awc_landeval_tz_21037.tif
Soil - Base Saturation	%	0	100	69.788	24.077	ISRIC 2016	base_saturation_landeval_tz_21037.tif
Soil – Depth	depth to bedrock in cm	31	180	149.366	21.093	ISRIC 2016	bdricm_t_m_landeval_tz_21037.tif
Soil - Bulk Density	kg/m3	421	1644	1331.168	93.584	ISRIC 2016	bulk_dens_landeval_tz_21037.tif
Soil - Cation Exchange Capacity (CEC) per Kg clay	cmolc/kg	0	246.667	29.938	17.081	ISRIC 2016	cec_kg_clay_landeval_tz_21037.tif
Soil - Cation Exchange Capacity (CEC)	cmolc/kg	2	79	13.568	6.887	ISRIC 2016	cec_landeval_tz_21037.tif
Soil - Drainage	FAO Drainage Class	1	6	4.475	0.893	ISRIC 2016	drainfao_t_m_landeval_tz_21037.tif
Soil - Electrical Conductivity (EC)	dS/m	0	167	1.379	3.514	ISRIC 2016	elec_cond_landeval_tz_21037.tif
Soil - Exchangeable Al	cmolc/kg	0	5.192	0.612	0.53	ISRIC 2016	ex_al_landeval_tz_21037.tif
Soil - Sum of Basic Cations	cmolc/kg	0	81	11.153	8.888	ISRIC 2016	ex_bases_landeval_tz_21037.tif
Soil - Exchangeable Ca	cmolc/kg	0	74	7.27	6.181	ISRIC 2016	ex_ca_landeval_tz_21037.tif
Soil - Exchangeable K	cmolc/kg	0	12.4	0.511	0.471	ISRIC 2016	ex_k_landeval_tz_21037.tif
Soil - Exchangeable Mg	cmolc/kg	0	23	2.579	1.791	ISRIC 2016	ex_mg_landeval_tz_21037.tif
Soil - Exchangeable Na	cmolc/kg	0	38	0.772	1.619	ISRIC 2016	ex_na_landeval_tz_21037.tif
Soil - Coarse Fragments Content	% volume	0	46	4.371	4.352	ISRIC 2016	frag_vol_landeval_tz_21037.tif
Soil - Organic Carbon Content	% (derived by devision 10)	0	19.8	1.47	1.005	ISRIC 2016	per_org_carb_landeval_tz_21037.tif
Soil - pH	pH values multiplied by 10 (to avoid real numbers but use integers instead)	44	97	60.064	6.3	ISRIC 2016	ph_landeval_tz_21037.tif
Soil Texture, Simplified Texture Classes (USDA)	preset to suitability (according to Sys et al) : Very Suitable: silty-clay-loam, sandy-clay-loam, silt, silt-loam, loam (classes 3,5,7,8,9) Suitable: sandy-clay, clay-loam, loamy-sand, sandy-loam (classes 4,6,11,12) Marginally Suitable: sand, clay, silty-clay (classes 1,2,10)	1	3	1.555	0.834	ISRIC 2016 (derived values – has been assigned a Sys suitability value – see to the left)	soil_texture_classes_landeval_tz_21037.tif
Soil - Clay content	% clay	3	71	30.427	6.876	ISRIC 2016	clay_landeval_tz_21037.tif
Soil - Sand content	% sand	7	85	52.438	10.316	ISRIC 2016	sand_landeval_tz_21037.tif
Soil - Silt content	% silt	5	52	17.161	4.905	ISRIC 2016	silt_landeval_tz_21037.tif
Soil - Total Nitrogen	g/kg	0	12	1.258	0.829	ISRIC 2016	t_nitro_landeval_tz_21037.tif
Slope (of terrain)	% inclination	0	370.807	4.478	6.768	ISRIC 2016	slope_landeval_tz_21037.tif
Average precipitation growing season	mm - Growing Season (1979-2012)	311.759	1979.453	1050.267	290.752	ISRIC 2016	prec_250m_landeval_tz_21037.tif
Mean Maximum Temperature	°C - Growing Season (1979-2012)	19.376	34.299	28.744	2.152	PIK 2016	tmax_250m_landeval_tz_21037.tif
Absolute Maximum Temperature	°C - Growing Season (1979-2012)	25.846	41.086	36.232	2.164	PIK 2016	tmaxmax_250m_landeval_tz_21037.tif
Mean Minimum Temperature	°C - Growing Season (1979-2012)	8.492	24.203	18.563	2.853	PIK 2016	tmin_250m_landeval_tz_21037.tif
Absolute Minimum Temperature	°C - Growing Season (1979-2012)	2.894	21.702	14.283	3.114	PIK 2016	tminmin_250m_landeval_tz_21037.tif
Mean Temperature	°C - Growing Season (1979-2012)	13.617	28.56	23.359	2.404	PIK 2016	tmit_250m_landeval_tz_21037.tif

cell size x/y for all 250/250m

map projection Arc 1960 / UTM zone 37S