

Suggested Citation: Noller, Jay S., and Lisa E. Wells. "EKAS Geomorphology Form." The Eastern Korinthia Archaeological Survey, 2000.

FORM_GEOMORPHOLOGY_2000 FORM

Geom. Unit #	
Location	
Air Photo #	
Bedrock	
Morphostrat	
Disturbance	
Erosion	
Stability	
Soil color	
Soil texture	
Soil Carbonate	
Slope/Aspect	
Land use	
Sample	
Other	

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BEDROCK (B)

Symbol	Description
B1	Limestone
Bm	Pliocene Marine
Bb	Metamorphic

Eolian, Qe, Pe, He

Symbol	Description
Qe	General eolian
Qes	Eolian sand
Qei	Eolian silt
Qec	Eolian clay
Qed	Dunes
Qea	Trans. Eo/Alluvial

MORPHOSTRATIGRAPHY

Alluvial (Al) Qa, Pa or Ha

Symbol	Description
Qal	Al floodplain deposits
Qat	Al terrace
Qaf	Alluvial fan
Qap	Pediment Al
Qac	Trans. Al/Col units
Qag	Gravel
Qas	Sand
Qai	Silt

Lacustrine

Symbol	Description
Ql	General lacustrine
Qlg	Lacustrine gravel
Qls	Lacustrine sand
Qli	Lacustrine silt
Qlc	Lacustrine clay
Qlm	Lacustrine marl
Qlt	Tufa

Channels and gullies, Qf, Pf, or Hf

Symbol	Description
Qfg	1 st to 2 nd order gully
Qfr	River channel
Qft	Thalweg
Qff	Active floodplain
Qfc	Paleo-channels

Anthro Modern (Mh)

Pre-modern (Qh, Ph, or Hh)

Symbol	Description
Mhh/Hhh	Highway or road fill
Mhm/Hhm	mine tailings
Mhq/Hhq	Quarries
Mhl	Landfill and "pushed"
Hhf	Trapped sed
Hht	Anthro terraces
Hhw	Anthropogenic walls,

Colluvium (Col) Qc, Pc, or Hc

Symbol	Description
Qcg	Gravel col
Qcf	f. gr. Col
Qca	Trans. Col/Al units
Qcc	Active talus cones
Qct	Triangular talus facets
Qcl	Landslides
Qcm	Mudf/Debris flows
Qcr	Terrace risers

MODERN HUMAN DISTURBANCE

Symbol	Description
Scrape	Surface material removed
Dozed	Material redistributed by dozer
Cut	Cut or excavated into bedrock
Import	Allocthonous soil imported to site
Compost	Allocthonous soil amendments

Deltaic, Qd, Pd, or Hd

Symbol	Description
Qd	General deltaic
Qdg	Deltaic gravel
Qds	Deltaic sand
Qdi	Deltaic silt
Qdd	Distributary channel
Qdn	Channel levees

STABILITY

Symbol	Description
Stable	A Hori. intact
Unstab	A Hori. removed from over 30% area
Erode	A Hori. gone and sub-A hori. exposed.
Strip	All surface soil and sediment striped
Incise	Actively incising channels and gullies
Dep	active deposition
Cons	Anthro. constructed
Mix	Marked variability in erosion characteristics

Littoral, Qb, Pb, Hb

Symbol	Description
Qb	General littoral
Qbs	Littoral sand
Qbg	Littoral gravel
Qbm	Intertidal marsh
Qbl	Lagoon fill
Qm	General marine
Qmp	Erosional platform
Qmt	Marine terraces w/sed
Qmc	Coquina
Qms	Subtidal sand
Qmg	Subtidal gravel
Qmi	Subtidal silt and clay

EROSION LANDFORMS

Symbol	Description
Rill	active rills (< 50 cm deep)
Gully	active gullies (> 50 cm)
Bound	bounded by gullies
Absent	no rills or gullies
ND	No erosion data

SOIL COLOR

Use Munsell designation
e.g. 10YR 6/4

SOIL TEXTURE

USDA texture class triangle below
e.g. silty loam

SOIL CARBONATE

Symbol	Description
Ka	Absent
K1	A light dusting of CaCO3
K2	Continuous clast coatings (gravel); few to common nodules (non-gravel)
K3	Continuity of fabric high in CaCO3
K4	Partly or entirely cemented by CaCO3
Ku	Unknown class

LAND USE/COVER

Symbol	Description
Ro	Rock/sed/soil (barren)
Ba	Batha (sparse vegie)
Ga	Garigue (low scrub or heath)
Ma	Maquis (tall scrub or heath)
Fo	Forest
Gr	Grains (barley, wheat)
Fa	Fallow field
Gp	Grass/pasture
Vi	Vineyard
Og	Orchard/Grove
Cu	Cultivation other (note crop)
Bi	Built, Industrial

gr = gravel S=sand SL=sandy loam
LS=loamy sand L=loam SiL=silt loam
Si=silt SCL=sandy clay loam C=clay
CL=clay loam SiC=silty clay
SiCL=silty clay loam SC=sandy clay

