



**CALLEGUAS CREEK WATERSHED
ADVANCED IDENTIFICATION GEOMORPHOLOGY DATA SHEET**

Site # Site Location Date

Latitude Longitude Crew Names

Drainage Area (sq mi) Coarse, Noncohesive Bank Strata

Strahler Stream Order (1:24,000) Bank Vegetation, Tree

River Miles to Mugu Lagoon Bank Vegetation, Shrub

Adjacent Land Uses Bank Vegetation, Herb

Drainage Land Uses Flow Duration

Landscape Landform Tidal Influence

Landscape Position Base Flow Alterations, Magnitude

Landscape Featur Base Flow Alterations, Duration

Local Topography Peak Flow Alteration, Magnitude

Landscape Confine Peak Flow Alteration, Timing

Channel Bank Full Width (ft) Peak Flow Alterations, Duration

Channel Bank Full Mean Depth (ft) Sediment Accomodation Space Trend

Channel Floodprone Area Width (ft) Levees

Channel Entrenchment Ratio Channel Hardscaping

Channel Energy Slope Channel Straightening

Channel Sinuosity Vegetation Clearing

Channel Bed Materials Dredging/Aggregate Extraction

Channel Median Bed Material Size Fill/Debris Placement

Bank Height (ft) Plant Series

Bank Angle Plant Series

Bank Materials Plant Series

Notes Plant Sereis



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Site # **06** Site Location **Beardsley Wash, north of Wright Road, near new golf course** Date **17-Mar-99**

Latitude **34° 14.626' N** Longitude **119° 05.791' W** Crew Names **M. Rains, D. Magney, & C. Wellonen**

Drainage Area (sq mi) **44**

Strahler Stream Order (1:24,000) **4**

River Miles to Mugu Lagoon **10.8**

Adjacent Land Uses **orchard, low-density urban**

Drainage Land Uses **natural/range,
orchard, low-density
urban**

Landscape Landform **hill**

Landscape Position **toe slope**

Landscape Featur **drainageway**

Local Topography **gently rolling**

Landscape Confine

Channel Bank Full Width (ft) **30**

Channel Bank Full Mean Depth (ft) **3.0**

Channel Floodprone Area Width (ft) **100**

Channel Entrenchment Ratio **3.3**

Channel Energy Slope **0-2%**

Channel Sinuosity **>1.0-1.5**

Channel Bed Materials **natural**

Channel Median Bed Material Size **sand**

Bank Height (ft) **10**

Bank Angle **13°**

Bank Materials **natural**

Coarse, Noncohesive Bank Strata **1**

Bank Vegetation, Tree **abundant**

Bank Vegetation, Shrub **abundant**

Bank Vegetation, Herb **abundant**

Flow Duration **seasonal**

Tidal Influence **none**

Base Flow Alterations, Magnitude **higher**

Base Flow Alterations, Duration **longer**

Peak Flow Alteration, Magnitude **higher**

Peak Flow Alteration, Timing **earlier**

Peak Flow Alterations, Duration **shorter**

Sediment Accomodation Space Trend **filling**

Levees **setback**

Channel Hardscaping **No**

Channel Straightening

Vegetation Clearing

Dredging/Aggregate Extraction

Fill/Debris Placement

Plant Series **Red Willow Series**

Plant Series **Eucalyptus Series**

Plant Series **Arroyo Willow Series**

Plant Sereis **N/A**

Notes **Roadfill on left terrace.**



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Drainage Area (sq mi)

Coarse, Noncohesive Bank Strata

Strahler Stream Order (1:24,000)

Bank Vegetation, Tree

River Miles to Mugu Lagoon

Bank Vegetation, Shrub

Adjacent Land Uses

Bank Vegetation, Herb

Drainage Land Uses

Flow Duration

Tidal Influence

Landscape Landform

Base Flow Alterations, Magnitude

Landscape Position

Base Flow Alterations, Duration

Landscape Featur

Peak Flow Alteration, Magnitude

Local Topography

Peak Flow Alteration, Timing

Landscape Confine

Peak Flow Alterations, Duration

Channel Bank Full Width (ft)

Sediment Accomodation Space Trend

Channel Bank Full Mean Depth (ft)

Levees

Channel Floodprone Area Width (ft)

Channel Hardscaping

Channel Entrenchment Ratio

Channel Straightening

Channel Energy Slope

Vegetation Clearing

Channel Sinuosity

Dredging/Aggregate Extraction

Channel Bed Materials

Fill/Debris Placement

Channel Median Bed Material Size

Plant Series

Bank Height (ft)

Plant Series

Bank Angle

Plant Series

Bank Materials

Plant Sereis

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**CALLEGUAS CREEK WATERSHED
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Adjacent Land Uses Bank Vegetation, Herb

Drainage Land Uses Flow Duration

Landscape Landform Tidal Influence

Landscape Position Base Flow Alterations, Magnitude

Landscape Featur Base Flow Alterations, Duration

Local Topography Peak Flow Alteration, Magnitude

Landscape Confine Peak Flow Alteration, Timing

Channel Bank Full Width (ft) Peak Flow Alterations, Duration

Channel Bank Full Mean Depth (ft) Sediment Accomodation Space Trend

Channel Floodprone Area Width (ft) Levees

Channel Entrenchment Ratio Channel Hardscaping

Channel Energy Slope Channel Straightening

Channel Sinuosity Vegetation Clearing

Channel Bed Materials Dredging/Aggregate Extraction

Channel Median Bed Material Size Fill/Debris Placement

Bank Height (ft) Plant Series

Bank Angle Plant Series

Bank Materials Plant Series

Plant Sereis

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Channel Bank Full Mean Depth (ft) Levees

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Bank Angle Plant Series

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Local Topography Peak Flow Alteration, Magnitude

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Channel Bank Full Mean Depth (ft) Sediment Accomodation Space Trend

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Channel Entrenchment Ratio Channel Hardscaping

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Channel Sinuosity Vegetation Clearing

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Channel Median Bed Material Size Fill/Debris Placement

Bank Height (ft) Plant Series

Bank Angle Plant Series

Bank Materials Plant Series

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Bank Vegetation, Herb

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Flow Duration

Tidal Influence

Landscape Landform

Base Flow Alterations, Magnitude

Landscape Position

Base Flow Alterations, Duration

Landscape Featur

Peak Flow Alteration, Magnitude

Local Topography

Peak Flow Alteration, Timing

Landscape Confine

Peak Flow Alterations, Duration

Channel Bank Full Width (ft)

Sediment Accomodation Space Trend

Channel Bank Full Mean Depth (ft)

Levees

Channel Floodprone Area Width (ft)

Channel Hardscaping

Channel Entrenchment Ratio

Channel Straightening

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Channel Median Bed Material Size

Plant Series

Bank Height (ft)

Plant Series

Bank Angle

Plant Series

Bank Materials

Plant Sereis

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Adjacent Land Uses Bank Vegetation, Herb

Drainage Land Uses Flow Duration

Landscape Landform Tidal Influence

Landscape Position Base Flow Alterations, Magnitude

Landscape Featur Base Flow Alterations, Duration

Local Topography Peak Flow Alteration, Magnitude

Landscape Confine Peak Flow Alteration, Timing

Channel Bank Full Width (ft) Peak Flow Alterations, Duration

Channel Bank Full Mean Depth (ft) Sediment Accomodation Space Trend

Channel Floodprone Area Width (ft) Levees

Channel Entrenchment Ratio Channel Hardscaping

Channel Energy Slope Channel Straightening

Channel Sinuosity Vegetation Clearing

Channel Bed Materials Dredging/Aggregate Extraction

Channel Median Bed Material Size Fill/Debris Placement

Bank Height (ft) Plant Series

Bank Angle Plant Series

Bank Materials Plant Series

Bank Sereis Notes



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Site # Site Location Date

Latitude Longitude Crew Names

Drainage Area (sq mi) Coarse, Noncohesive Bank Strata

Strahler Stream Order (1:24,000) Bank Vegetation, Tree

River Miles to Mugu Lagoon Bank Vegetation, Shrub

Adjacent Land Uses Bank Vegetation, Herb

Drainage Land Uses Flow Duration

Landscape Landform Tidal Influence

Landscape Position Base Flow Alterations, Magnitude

Landscape Featur Base Flow Alterations, Duration

Local Topography Peak Flow Alteration, Magnitude

Landscape Confine Peak Flow Alteration, Timing

Channel Bank Full Width (ft) Peak Flow Alterations, Duration

Channel Bank Full Mean Depth (ft) Sediment Accomodation Space Trend

Channel Floodprone Area Width (ft) Levees

Channel Entrenchment Ratio Channel Hardscaping

Channel Energy Slope Channel Straightening

Channel Sinuosity Vegetation Clearing

Channel Bed Materials Dredging/Aggregate Extraction

Channel Median Bed Material Size Fill/Debris Placement

Bank Height (ft) Plant Series

Bank Angle Plant Series

Bank Materials Plant Series

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Drainage Area (sq mi) Coarse, Noncohesive Bank Strata

Strahler Stream Order (1:24,000) Bank Vegetation, Tree

River Miles to Mugu Lagoon Bank Vegetation, Shrub

Adjacent Land Uses Bank Vegetation, Herb

Drainage Land Uses Flow Duration

Landscape Landform Tidal Influence

Landscape Position Base Flow Alterations, Magnitude

Landscape Featur Base Flow Alterations, Duration

Local Topography Peak Flow Alteration, Magnitude

Landscape Confine Peak Flow Alteration, Timing

Channel Bank Full Width (ft) Peak Flow Alterations, Duration

Channel Bank Full Mean Depth (ft) Sediment Accomodation Space Trend

Channel Floodprone Area Width (ft) Levees

Channel Entrenchment Ratio Channel Hardscaping

Channel Energy Slope Channel Straightening

Channel Sinuosity Vegetation Clearing

Channel Bed Materials Dredging/Aggregate Extraction

Channel Median Bed Material Size Fill/Debris Placement

Bank Height (ft) Plant Series

Bank Angle Plant Series

Bank Materials Plant Series

Notes Plant Sereis



**CALLEGUAS CREEK WATERSHED
ADVANCED IDENTIFICATION GEOMORPHOLOGY DATA SHEET**

Site # **34** Site Location **Calleguas Creek at Camarillo Regional Park** Date **14-Jun-99**

Latitude **34° 11.07' N** Longitude **119° 01.42' W** Crew Names **Mark Rains & Cher Wellonen**

Drainage Area (sq mi) **200** Coarse, Noncohesive Bank Strata **R-0, L-1**

Strahler Stream Order (1:24,000) **5** Bank Vegetation, Tree **patchy**

River Miles to Mugu Lagoon **5.6** Bank Vegetation, Shrub **patchy**

Adjacent Land Uses **natural/range, row crop** Bank Vegetation, Herb **abundant**

Drainage Land Uses **natural/range, mining, rowcrop, orchard, low- & high-density urban** Flow Duration **perennial**

Landscape Landform **delta plain** Tidal Influence **none**

Landscape Position **drainageway** Base Flow Alterations, Magnitude **higher**

Landscape Featur **drainageway** Base Flow Alterations, Duration **longer**

Local Topography **level** Peak Flow Alteration, Magnitude **higher**

Landscape Confine Peak Flow Alteration, Timing **earlier**

Channel Bank Full Width (ft) **108** Peak Flow Alterations, Duration **shorter**

Channel Bank Full Mean Depth (ft) **2.0** Sediment Accomodation Space Trend **filling**

Channel Floodprone Area Width (ft) **159** Levees **not setback (slight setback on R)**

Channel Entrenchment Ratio **1.5** Channel Hardscaping **rock rip-rap banks**

Channel Energy Slope **0-2%** Channel Straightening

Channel Sinuosity **>1.0-1.5** Vegetation Clearing

Channel Bed Materials **natuaral** Dredging/Aggregate Extraction

Channel Median Bed Material Size **sand** Fill/Debris Placement

Bank Height (ft) **R-15, L-2** Plant Series **Riparian-Ruderal Scrub Series**

Bank Angle **R-20°, L-5°** Plant Series **Giant Reed-Arroyo Willow Series**

Bank Materials **R-rock rip-rap, L-natural** Plant Series **Arroyo Willow Series**

Plant Sereis **Southern Cattail-Arroyo Willow Ser.**

Notes **Floodplain Forest (Mixed Willow Series) disconnected from channel by levee.**



**CALLEGUAS CREEK WATERSHED
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Site # Site Location Date

Latitude Longitude Crew Names

Drainage Area (sq mi) Coarse, Noncohesive Bank Strata

Strahler Stream Order (1:24,000) Bank Vegetation, Tree

River Miles to Mugu Lagoon Bank Vegetation, Shrub

Adjacent Land Uses Bank Vegetation, Herb

Drainage Land Uses Flow Duration

Landscape Landform Tidal Influence

Landscape Position Base Flow Alterations, Magnitude

Landscape Featur Base Flow Alterations, Duration

Local Topography Peak Flow Alteration, Magnitude

Landscape Confine Peak Flow Alteration, Timing

Channel Bank Full Width (ft) Peak Flow Alterations, Duration

Channel Bank Full Mean Depth (ft) Sediment Accomodation Space Trend

Channel Floodprone Area Width (ft) Levees

Channel Entrenchment Ratio Channel Hardscaping

Channel Energy Slope Channel Straightening

Channel Sinuosity Vegetation Clearing

Channel Bed Materials Dredging/Aggregate Extraction

Channel Median Bed Material Size Fill/Debris Placement

Bank Height (ft) Plant Series

Bank Angle Plant Series

Bank Materials Plant Series

Plant Sereis

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Site # Site Location Date

Latitude Longitude Crew Names

Drainage Area (sq mi)

Coarse, Noncohesive Bank Strata

Strahler Stream Order (1:24,000)

Bank Vegetation, Tree

River Miles to Mugu Lagoon

Bank Vegetation, Shrub

Adjacent Land Uses

Bank Vegetation, Herb

Drainage Land Uses

Flow Duration

Tidal Influence

Landscape Landform

Base Flow Alterations, Magnitude

Landscape Position

Base Flow Alterations, Duration

Landscape Featur

Peak Flow Alteration, Magnitude

Local Topography

Peak Flow Alteration, Timing

Landscape Confine

Peak Flow Alterations, Duration

Channel Bank Full Width (ft)

Sediment Accomodation Space Trend

Channel Bank Full Mean Depth (ft)

Levees

Channel Floodprone Area Width (ft)

Channel Hardscaping

Channel Entrenchment Ratio

Channel Straightening

Channel Energy Slope

Vegetation Clearing

Channel Sinuosity

Dredging/Aggregate Extraction

Channel Bed Materials

Fill/Debris Placement

Channel Median Bed Material Size

Plant Series

Bank Height (ft)

Plant Series

Bank Angle

Plant Series

Bank Materials

Plant Sereis

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River Miles to Mugu Lagoon Bank Vegetation, Shrub

Adjacent Land Uses Bank Vegetation, Herb

Drainage Land Uses Flow Duration

Landscape Landform Tidal Influence

Landscape Position Base Flow Alterations, Magnitude

Landscape Featur Base Flow Alterations, Duration

Local Topography Peak Flow Alteration, Magnitude

Landscape Confine Peak Flow Alteration, Timing

Channel Bank Full Width (ft) Peak Flow Alterations, Duration

Channel Bank Full Mean Depth (ft) Sediment Accomodation Space Trend

Channel Floodprone Area Width (ft) Levees

Channel Entrenchment Ratio Channel Hardscaping

Channel Energy Slope Channel Straightening

Channel Sinuosity Vegetation Clearing

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Channel Median Bed Material Size Fill/Debris Placement

Bank Height (ft) Plant Series

Bank Angle Plant Series

Bank Materials Plant Series

Notes Plant Sereis



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Channel Bank Full Width (ft) Sediment Accomodation Space Trend

Channel Bank Full Mean Depth (ft) Levees

Channel Floodprone Area Width (ft) Channel Hardscaping

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Channel Median Bed Material Size Plant Series

Bank Height (ft) Plant Series

Bank Angle Plant Series

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Bank Vegetation, Tree

River Miles to Mugu Lagoon

Bank Vegetation, Shrub

Adjacent Land Uses

Bank Vegetation, Herb

Drainage Land Uses

Flow Duration

Tidal Influence

Landscape Landform

Base Flow Alterations, Magnitude

Landscape Position

Base Flow Alterations, Duration

Landscape Featur

Peak Flow Alteration, Magnitude

Local Topography

Peak Flow Alteration, Timing

Landscape Confine

Peak Flow Alterations, Duration

Channel Bank Full Width (ft)

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Channel Entrenchment Ratio

Channel Straightening

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Channel Median Bed Material Size

Plant Series

Bank Height (ft)

Plant Series

Bank Angle

Plant Series

Bank Materials

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Landscape Featur Base Flow Alterations, Duration

Local Topography Peak Flow Alteration, Magnitude

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Channel Floodprone Area Width (ft) Levees

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Bank Vegetation, Tree

River Miles to Mugu Lagoon

Bank Vegetation, Shrub

Adjacent Land Uses

Bank Vegetation, Herb

Drainage Land Uses

Flow Duration

Tidal Influence

Landscape Landform

Base Flow Alterations, Magnitude

Landscape Position

Base Flow Alterations, Duration

Landscape Featur

Peak Flow Alteration, Magnitude

Local Topography

Peak Flow Alteration, Timing

Landscape Confine

Peak Flow Alterations, Duration

Channel Bank Full Width (ft)

Sediment Accomodation Space Trend

Channel Bank Full Mean Depth (ft)

Levees

Channel Floodprone Area Width (ft)

Channel Hardscaping

Channel Entrenchment Ratio

Channel Straightening

Channel Energy Slope

Vegetation Clearing

Channel Sinuosity

Dredging/Aggregate Extraction

Channel Bed Materials

Fill/Debris Placement

Channel Median Bed Material Size

Plant Series

Bank Height (ft)

Plant Series

Bank Angle

Plant Series

Bank Materials

Plant Sereis

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CALLEGUAS CREEK WATERSHED
ADVANCED IDENTIFICATION GEOMORPHOLOGY DATA SHEET

Site # Site Location Date

Latitude Longitude Crew Names

Drainage Area (sq mi) Coarse, Noncohesive Bank Strata

Strahler Stream Order (1:24,000) Bank Vegetation, Tree

River Miles to Mugu Lagoon Bank Vegetation, Shrub

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