VENTURA RIVER, CALIFORNIA
SRH-2D Inundation During Peak Sediment Deposition - Reach 4 - pg. 1

DATA SOURCES
- Proposed Inundation: Stillwater Sciences 2022
- Existing Inundation: Stillwater Sciences 2022
- FEMA 100-year FP: FEMA NFHL
- Imagery: NAIP 2020
- Roads, cities, streams, and waterbodies: ESRI 2018

SCALE & NORTH ARROW
1:7,000

Adjacent Point of Interest (labeled with distance downstream from Matilija Dam)
Reach break
HEC-RAS cross section - focus reaches
FEMA 100-year floodplain extent
Existing 100-year floodplain from SRH-2D
Proposed 100-yr floodplain during peak sediment deposition from SRH-2D

Stillwater Sciences
VENTURA RIVER, CALIFORNIA
SRH-2D Proposed Conditions: Peak Sediment Deposition During 100-yr Discharge - Reach 1

LEGEND

- Adjacent tile
- SRH-2D Tributary Inlets used for Sediment Transport Model
- Point of Interest (labeled with distance downstream from Matilija Dam)
- Reach break
- HEC-RAS cross section - focus reaches

DATA SOURCES
- Proposed Sedimentation: Stillwater Sciences 2022
- Imagery: NAIP 2020
- Roads, cities, streams, and waterbodies: ESRI 2018

1:7,000

SCALE & NORTH ARROW

Stillwater Sciences
VENTURA RIVER, CALIFORNIA
SRH-2D Proposed Conditions Peak Sediment Deposition During 100-yr Discharge - Reach 2 - pg. 1

LEGEND
- Adjacent tile
- SRH-2D Tributary Inlets used for Sediment Transport Model
- Point of Interest (labeled with distance downstream from Matilija Dam)
- Reach break

(map showing Ventura River and various points of interest labeled)

Stillwater Sciences

SCALE & NORTH ARROW

1:7,000

SRH-2D Tributary Inlets used for Sediment Transport Model
Proposed (Dam Removal) sediment deposition depth (ft) during 100-year storm event at peak sediment deposition from SRH-2D
- Proposed (Dam Removal) 100-yr floodplain at peak sediment deposition from SRH-2D

- Depth ranges:
  - > 6.47 ft
  - 5.45 ft - 6.47 ft
  - 4.42 ft - 5.45 ft
  - 3.39 ft - 4.42 ft
  - 2.36 ft - 3.39 ft
  - 1 ft - 2.36 ft

Adjacent tile
Point of Interest (labeled with distance downstream from Matilija Dam)
Reach break
SRH-2D Tributary Inlets used for Sediment Transport Model
Proposed (Dam Removal) sediment deposition depth (ft) during 100-year storm event at peak sediment deposition from SRH-2D
- Depth ranges:
  - > 6.47 ft
  - 5.45 ft - 6.47 ft
  - 4.42 ft - 5.45 ft
  - 3.39 ft - 4.42 ft
  - 2.36 ft - 3.39 ft
  - 1 ft - 2.36 ft
VENTURA RIVER, CALIFORNIA
SRH-2D Proposed Conditions Peak Sediment Deposition During 100-yr Discharge - Reach 2 - pg. 2

LEGEND

DATA SOURCES
Proposed Sedimentation: Stillwater Sciences 2022
Imagery: NAIP 2020
Roads, cities, streams, and waterbodies: ESRI 2018

SCALE & NORTH ARROW
1:7,000

SRH-2D Tributary Inlets used for Sediment Transport Model
Reach break
HEC-RAS cross section - focus reaches

Proposed (Dam Removal) sediment deposition depth (ft) during 100-year storm event at peak sediment deposition from SRH-2D

> 6.47 ft
5.45 ft - 6.47 ft
4.42 ft - 5.45 ft
3.39 ft - 4.42 ft
2.36 ft - 3.39 ft
1 ft - 2.36 ft

Stillwater Sciences

MAP LOCATION
Map Location

VENTURA RIVER, CALIFORNIA
SRH-2D Proposed Conditions Peak Sediment Deposition During 100-yr Discharge - Reach 4 - pg. 1

Stillwater Sciences

Stillwater Sciences

LEGEND

- Adjacent tile
- SRH-2D Tributary Inlets used for Sediment Transport Model
- Point of Interest (labeled with distance downstream from Matilija Dam)
- Reach break
- HEC-RAS cross section - focus reaches
- Proposed (Dam Removal) 100-yr floodplain at peak sediment deposition from SRH-2D
- Proposed (Dam Removal) sediment deposition depth (ft) during 100-year storm event at peak sediment deposition from SRH-2D

- > 6.47 ft
- 5.45 ft - 6.47 ft
- 4.42 ft - 5.45 ft
- 3.39 ft - 4.42 ft
- 2.36 ft - 3.39 ft
- 1 ft - 2.36 ft

SCALE & NORTH ARROW

MAP LOCATION Page 6 of 9
VENTURA RIVER, CALIFORNIA
SRH-2D Proposed Conditions Peak Sediment Deposition During 100-yr Discharge - Reach 5

LEGEND
- Proposed (Dam Removal) 100-yr floodplain at peak sediment deposition from SRH-2D
- Proposed (Dam Removal) 100-yr floodplain at peak sediment deposition from SRH-2D
- 1 ft - 2.36 ft
- 2.36 ft - 3.39 ft
- 3.39 ft - 4.42 ft
- 4.42 ft - 5.45 ft
- > 5.45 ft
- Point of Interest (labeled with distance downstream from Matilija Dam)
- Reach break
- HEC-RAS cross section - focus reaches
- Stillwater Sciences

DATA SOURCES
- Proposed Sedimentation: Stillwater Sciences 2022
- Imagery: NAIP 2020
- Roads, cities, streams, and waterbodies: ESRI 2018

1:7,000 SCALE & NORTH ARROW

Stillwater Sciences
VENTURA RIVER, CALIFORNIA
SRH-2D Proposed Conditions Velocity During 100-yr Discharge - Reach 2 - pg. 2

LEGEND
- Adjacent
- SRH-2D Tributary Inlets used for Sediment Transport Model
- Point of Interest (labeled with distance downstream from Matilija Dam)
- Reach break
- HEC-RAS cross section - focus reaches

Proposed (Dam Removal) flow velocity during 100-year storm event at peak sediment deposition from SRH-2D

1 ft/s | 13 ft/s | 25 ft/s

Stillwater Sciences

SCALE & NORTH ARROW
- 0 200 400 600 800 1000 Feet
- 0 50 100 150 Meters

MAP LOCATION
Page 3 of 9
VENTURA RIVER, CALIFORNIA
SRH-2D Proposed Conditions Velocity During 100-yr Discharge - Reach 3 - pg. 2

LEGEND

- Adjacent
- SRH-2D Tributary inlets used for Sediment Transport Model
- Point of Interest (labeled with distance downstream from Matilija Dam)
- Reach break
- HEC-RAS cross section - focus reaches

Proposed (Dam Removal) flow velocity during 100-year storm event at peak sediment deposition from SRH-2D

1 ft/s 13 ft/s 25 ft/s

SCALE & NORTH ARROW

VENTURA RIVER, CALIFORNIA
SRH-2D Proposed Conditions Velocity During 100-yr Discharge - Reach 3 - pg. 2

DATA SOURCES
Proposed Velocity: Stillwater Sciences 2022
Imagery: NAIP 2020
Roads, cities, streams, and waterbodies: ESRI 2018