Descriptive Summary

Title: Monty Sloan photographs
Date: 1983
Collection Number: WRCA 114
Extent: 1 box 37 photographs
Repository: Rivera Library. Special Collections Department. Riverside, CA 92517-5900
Languages: English.

Access
Collection is open for research.

Publication Rights
Copyright has not been assigned to the Water Resources Collections and Archives. All requests for permission to publish or quote from manuscripts must be submitted in writing to the Director of Distinctive Collections. Permission for publication is given on behalf of the Water Resources Collections and Archives as the owner of the physical items and is not intended to include or imply permission of the copyright holder, which must also be obtained by the reader.

Preferred Citation
[identification of item], [date if possible]. Inventory of the Monty Sloan photographs (WRCA 114). Water Resources Collections and Archives. Special Collections & University Archives, University of California, Riverside.

Collection Scope and Contents
Photographs of river channels near gaging stations in the San Francisco Bay Area, taken in November and December 1983. Black-and-white prints, mounted on matte board (36 x 28 cm.), with typescript captions and holograph drawing of the channel cross-section added on each.

Collection Number
Collection number updated February 2019. Legacy collection number was MS 83/5. This change was part of a project in 2018/2019 to update the collection numbers for collections in the Water Resources Collections and Archives.

Indexing Terms
The following terms have been used to index the description of this collection in the library’s online public access catalog.

Subjects
Corte Madera Creek (Calif.)
Lagunitas Creek (Calif.)
Napa River (Calif.)
Novato Creek (Calif.)
River channels -- California -- San Francisco Bay Area
Rivers -- California -- San Francisco Bay Area
Stream-gaging stations -- California -- San Francisco Bay Area
Wildcat Creek (Contra Costa County, Calif.)

Box 1, folder 1a
San Ramon Creek at San Ramon December 12 1983
Scope and Contents
Photograph was taken 50m downstream from Crow Canyon Road looking downstream at 11:30 A.M. on a sunny day.

Box 1, folder 1b
San Ramon Creek at San Ramon. December 12 1983
Scope and Contents
Photograph was taken 75 m downstream from Figure 1a, looking downstream.
Box 1, folder 2  
**San Ramon Creek at San Ramon.**  
**Scope and Contents**  
Photograph was taken where creek comes closest to Fountainhead Dr. where there is a cement path leading to several picnic tables. Aggradation of the creek has nearly covered the tables, and flood waters have transported several of the lower portions of the cement walk several meters. Chicken wire covering large rocks on the right bank is an attempt to prevent the creek from eroding the bank. Photograph was taken at the same time as Figure 1 looking downstream.

Box 1, folder 3  
**Tassajara Creek near Pleasanton.**  
*December 2, 1983*  
**Scope and Contents**  
Photograph was taken 300m from Santa Rita overpass. Creek runs along highway 580 and turns to run under the highway at the point where the photograph was taken. Photograph taken looking upstream.

Box 1, folder 4  
**Tassajara Creek near Pleasanton.**  
*December 2, 1983*  
**Scope and Contents**  
This photograph was taken 200m upstream from the figure 3, from the Pimlico Bridge. Here the stream makes a 90-degree turn from the cemented portion to an uncemented portion. Photograph taken looking upstream.

Box 1, folder 5  
**Arroyo Las Positas at El Charro Road, near Pleasanton.**  
*December 12, 1983*  
**Scope and Contents**  
Photograph taken under El Charro Road bridge looking upstream. Although the stream was primarily untampered with, no point bars were noticed in the area. The velocity of the water was so low that the upstream direction had to be taken from the configuration of ripple structures under the bridge. The banks are composed of silt and clay. Photograph taken looking upstream.

Box 1, folder 6  
**Arroyo Mocho near Pleasanton.**  
*December 2, 1983*  
**Scope and Contents**  
Photograph taken looking upstream from Santa Rita Road Bridge. Bedload was composed of silts and sand with sparse gravel clasts intermixed.

Box 1, folder 7  
**Arroyo de la Laguna.**  
*December 2, 1983*  
**Scope and Contents**  
Photograph taken looking upstream from Bernal Bridge off of Highway 680. There was a construction site to the left of the photograph from which material was being dumped into the stream. Point bars were composed of sand and fine gravel.

Box 1, folder 8  
**San Ramon Creek at Walnut Creek.**  
*December 2, 1983*  
**Scope and Contents**  
Photograph was taken looking upstream from the San Ramon Creek Bridge. No bed material was visible in the area.

Box 1, folder 9a  
**Lagunitas Creek near Point Reyes Station.**  
*December 5, 1983*  
**Scope and Contents**  
Photograph taken from bridge leading to the California Cooperative Creamery off Petaluma - Pt. Reyes Station road. Looking upstream large point bar primarily of gravel with some sand at the lower extent and present in the inlets is seen. It rained the weekend before the photograph was taken.
Box 1, folder 9b  
**Lagunitas Creek near Point Reyes Station. . December 5, 1983**  
Scope and Contents  
Close-up of the point bar showing the medium gravel size and sand present in inlet.

Box 1, folder 10  
**Lagunitas Creek near Point Reyes Station. . December 5, 1983**  
Scope and Contents  
Photograph taken from bridge leading to the California Cooperative Creamery off Petaluma - Pt. Reyes road. Looking downstream; lack of point bar allows plants to grow down into the creek, thus roughness, represented by the point bar upstream, is represented downstream by the trees.

Box 1, folder 11  
**Walker Creek. . December 5, 1983**  
Scope and Contents  
Photograph taken about 1.5 miles from mouth, 100m from road bridge looking downstream. Point bar is composed of silt and sand with some gravels at the extreme upper end of the bar. The floodplain, from which the picture was taken, is extreme in extent reaching 100m wide. Upstream from where the photograph was taken, trees are growing on the floodplain where it meets the point bar.

Box 1, folder 12  
**Novato Creek at Novato. . December 5, 1983**  
Scope and Contents  
Photograph taken looking downstream from gage station. Creek is very natural looking considering the extent of urbanization that has occurred in this area. The gravels contained in the bars seem to be of a uniform size, and the stream seems to be in equilibrium with no erosion or aggradation occurring at site. At the station there is evidence of fill from the parking lot which has covered the natural slope of the creek.

Box 1, folder 13  
**Novato Creek at Novato. . December 5, 1983**  
Scope and Contents  
Photograph taken near the center of the point bar where the cross-section was made. The average size of the gravel is about 3cm. Photograph taken looking upstream.

Box 1, folder 14  
**Arroyo Corte Madera del Presidio at Mill Valley. . December 7, 1983**  
Scope and Contents  
Photograph taken looking upstream from a foot bridge behind the nursery. Area heavily urbanized, stream’s path is dictated by parking lots and buildings.

Box 1, folder 15  
**Arroyo Corte Madera del Presidio at Mill Valley. . December 7, 1983**  
Scope and Contents  
Photograph taken from the Lagoma street bridge. The bridge from which figure 14 was taken can be seen in the distance. Here existed the only point bar in the area such as it was. The point bar is not very well defined and contains gravels of various sizes, including chunks of asphalt.

Box 1, folder 16  
**Corte Madera Creek at Ross. . December 7, 1983**  
Scope and Contents  
Photograph taken from the lowest extent of the point bar across from the gage station. Here the bar is composed of fine gravels and sand. This bar is one of the larger bars seen for a creek of this size, possibly due to the greater rainfall experienced by the area. Photograph taken looking upstream.
Box 1, folder 17  
**Corte Madera Creek at Ross. . December 7, 1983**

**Scope and Contents**
This photograph was taken 45m upstream from Figure 16 showing the upper extent of the point bar. Here medium size gravels predominate with no sand present on the surface. Photograph taken looking downstream.

Box 1, folder 18  
**Wildcat Creek at Vale Road Bridge, Richmond. . December 7, 1983**

**Scope and Contents**
Photograph taken while it was raining. The photograph was taken from under the bridge and shows the garbage thrown into the creek. The point bar is covered with plants, mostly grasses, and is composed mostly of medium sized gravels. Under the bridge there is a point bar on the opposite side of the creek composed of silty sand with some small pebbles. Photograph taken looking downstream.

Box 1, folder 19  
**Wildcat Creek at Vale Road, Richmond. . December 7, 1983**

**Scope and Contents**
Photograph taken from under the bridge looking upstream.

Box 1, folder 20  
**Walnut Creek at Concord, at Bancroft overpass. . December 9, 1983**

**Scope and Contents**
Photograph taken looking downstream from bridge. The creek is beginning to flood due to the rain that was fairly heavy at the time of the photograph. Breaking anti-dune waves caused by the low roughness due to the smoothness of the cement. The creek is higher than usual due to the rain.

Box 1, folder 21  
**Walnut Creek at Concord, downstream from Bancroft Overpass. . December 9, 1983**

**Scope and Contents**
Photograph was taken 100m from the bridge in the rain. The photograph was taken at the spillway seen in figure 20, and shows the extent of the unnatural creek bed. In the foreground a point bar can be seen which the water is beginning to cover. The whole area was well fenced in so no close examination of the bedform could be made, but the gravel looked coarse.

Box 1, folder 22  
**Arroyo Del Hambre at Martinez at D Street Bridge. . December 9, 1983**

**Scope and Contents**
Photograph taken between showers. Stream was in flood so no bedforms could be seen. Photograph taken from the bridge looking upstream.

Box 1, folder 23  
**Arroyo del Hambre at Martinez at D Street Bridge. . December 9, 1983**

**Scope and Contents**
Photograph taken between showers. The photograph was taken from the bridge looking downstream. The banks steepen and the streams narrows here as compared to the upstream geometry. The banks are composed of partially consolidated silty clay and, in places, cement.

Box 1, folder 24  
**Napa Creek at Napa, 150 feet upstream from bridge on state highway 29.**

**Scope and Contents**
Photograph taken from under a footbridge behind a church. A light rain was falling at the time the photograph was taken. The gage station is about fifteen feet into this photograph.
Napa Creek at Napa, 150 feet upstream from bridge on state highway 29, looking downstream.

Scope and Contents
Photograph taken from under a footbridge during a light rain. Point bar seen on the right is composed of sand and pebbles ranging up to 100mm in diameter. As in figure 24, the creek's banks were covered with vegetation exception where cement existed. The highway can be seen in the upper left hand of the photograph.

Tulucay Creek at Napa, 150 feet downstream from bridge of state highways 12 and 29 in Napa. December 9, 1983

Scope and Contents
Photograph taken from the other side of a fence behind a parking lot. There was a light rain falling at the time. The gage station can been seen in the distance on the left bank in the upper right of the photograph. The area was experiencing some urbanization (the parking lot was fairly new) and the area containing the gage station was being used for cattle grazing. A good representation of bankfull could not be seen. The point bars were irregular and somewhat covered by vegetation. Photograph taken looking downstream.

Looking upstream from road bridge on state highways 12 and 29 in Napa of Tulucay Creek.

Scope and Contents
In this photograph, which is about 170 feet upstream from the gage station, one can see the amount of urbanization going on. Housing projects, cement walls and rocks are artificially changing the roughness of the creek.

Millikin Creek near Napa at Hedgeside road bridge, during a light rain.

Scope and Contents
In this photograph looking downstream, one can see the heavy forestation; low banks and roots exposed in a water covered bank. Point bars were composed of sand and gravel with clasts averaging about 60 mm and occasional clasts of 180mm. The gage station is on the other side of the bridge situated very close to it. The area is rural with little alteration of the creek.

Napa River near Napa, at Oak Knoll Ave. bridge looking upstream during a light rain December 9, 1983

Scope and Contents
No point bars were evident (under water?). Under the bridge a deposit of sandy bedload was seen, and the banks here were composed of sands and conglomerate. Vegetation was heavy along banks but mostly remained out of the water. Bankfull could not be seen. The gage station was situated nearly under the bridge. As can be seen from the cross section, the river recently changed its course possibly due to development. The abandoned portion still had a gravelly bottom and little growth.

Napa River near Napa, at Oak Knoll Ave. bridge looking downstream.

Scope and Contents
In this photograph one can see the steep banks and lack of a bankfull mark. As in the upstream photograph, vegetation can be seen growing in the middle of the river on a flooded bar.

Napa River near St. Helena, at stone bridge built in 1894, off state highway. December 9, 1983

Scope and Contents
Looking upstream one can see a heavily vegetated point bar on the right bank and material dumped into the river on the left bank, here what may be bankfull can be seen about a meter above the water. Photograph taken during a light rain.
Box 1, folder 32  
**Napa River near St. Helena, at stone bridge built in 1894.**

**Scope and Contents**

Looking downstream one can see the river without any building nearby, but still material has been dumped over the left bank. Tree in foreground was growing at the base of a support for the bridge which probably contained a submerged bar. The gage station was not found.

Box 1, folder 33  
**Napa River at Calistoga, from Lincoln Street bridge during a light rain.**

**Scope and Contents**

Looking downstream one can see the much larger clast size of what may be bedload, and the smaller size of the river. This area was heavily urbanized, houses being frequent along the river's banks. The gage station was at the end of Pine street about two blocks downstream from photograph, but due to inaccessibility at that location the photograph was taken from the bridge in the center of town.

Box 1, folder 34  
**Napa River at Calistoga, from Lincoln Street bridge looking upstream.**

**Scope and Contents**

As in figure 33, no point bars could be seen due to the height of the water. Heavy vegetation and urbanization can be seen especially behind the house where erosion was occurring. Here, chicken wire enclosed gravel of about 50mm diameter in an attempt to prevent further erosion even though the river is capable of transporting clasts many times larger than 50mm. Ivy partially covered a cement wall on the other side of the river.

Box 1, folder 35  
**Redwood Creek near Napa, on the upstream side of the Hendry Ranch, about 450 meters upstream from the old gage site. November 19, 1983**

**Scope and Contents**

Photograph looks upstream. Photograph taken during a light rain. Despite the small size of the creek, the great size of the transported material can be seen. Clast sizes ranged up to greater than 256mm in diameter. The stream is in a rural area not greatly affected by urbanization. The vegetation is fairly thick often adding to the roughness of the stream. Bankfull and a terrace can be seen as well as several abandoned channels.