Contra Costa County Flood Control & Water Conservation District

N

ROF 15/16
CRK 35/5
RHW - Rodeo Ck @ Hawthorne Dr
PSP - Pinole Ck @ San Pablo Ave Bridge
ESB 66/66
ADH 37/13
VBR - Wildcat Ck @ Vale Rd
RIC 21/42
ORF 18/18
BLD 32/3
ACZ - Alhambra Ck @ D St
WSF 51/51
WMR - Walnut Ck @ Marsh Dr
FCD 11/40
GCA - Grayson Ck @ Center Ave
GCC 36/36
WDB - Walnut Ck @ Diamond Blvd Bridge
GTB - Galindo Ck @ Treat Blvd
GCC - Grayson Ck @ Taylor Blvd
YGF 33/21
WCY - Walnut Cr @ Ygnacio
RMB - Tice Ck @ Rossmoor Basin
RSS 29/29
SMC 12/17
RKY 34/6
DBL 22/26
MDP 13/24
GVD - Green Valley Ck @ Diablo Rd
DVB 31/31
WDN 54/54
DBF 20/20
CCP 43/43
KGR 38/2
MED 19/19
MCF - Marsh Ck @ Marsh Ck Fire
MCF 16/41
TAS 53/53
HLD 10/10
ISD 39/39
BIF 44/44
MCB - Marsh Ck @ Brentwood
MDA - Marsh Ck @ Dainty Ave
BIX 14/15
RRG 47/47
BCO 86/12
MCR 25/25
MCR - Marsh Ck Reservoir
BAP 45/45

Legend

Repeater	Viewshed
Rocky	
Kreger	
Highlands	
Bald	

Rain Gauges (Sens/DCU)

Water Level Gauges (Sens/DCU)

Cellular Tramitter

Radio Paths — Temp Radio Paths

The **Radio Paths** show which mountaintop repeater communicates with each gauge. If the repeater is not working, the gauge cannot report its data. This does not mean the data is lost.

A **Viewshed Map** consists of the points visible from one or more specified points. In this map, we assumed the repeater station antenna is 20 feet above the ground and the potential gauge antenna is 10 feet above the ground. We use this map to determine what areas in the County would likely have a radio point from each of the mountaintop repeaters. In some cases, the gauge stations in places outside the viewshed can receive a signal. The distance between the mountaintop repeater and the gauge station can also affect the radio signal strength. Most viewsheds overlap to some extent.

0 1.5 3 6 9 12 Miles

Date:10/9/2023 Filename: P:\GIS USERS - Development\FC\Hydrology\Projects\Gauges\Viewshed\Gauge Viewshed Map.mxd By: MBoucher

User Name: mboucher