Goal – Give the Watermaster Board members more in-depth knowledge and experience on recharge opportunities on the east side of the Basin: San Sevaine, Vulcan and Wineville

Map 1 – map showing the location of the recharge basins, watersheds, imported water lines with turnouts, and recycled water system.

San Sevaine Basin No. 5

1. Characterize the Existing San Sevaine Basins
    a. History – Show existing San Sevaine 5 plan (Map 2a – Existing SS5 with imported and recycled water lines, and internal berm with limits of inundation for supplemental water recharge.)
    b. Description of how they work and sources waters
    c. Recharge potential and amount of recent recharge
    d. What limits recharge?

2. Conceptual proposal to expand recharge in San Sevaine 5
    a. Show conceptual improvement and compare supplemental and storm waters recharge capacities plan (Map 2b – same as Map 2a except with additional internal berms with limits of inundation for supplemental water recharge.)
    b. Potential hurdles

Vulcan Pit Project

1. Characterize the Existing Vulcan Pit
    a. History – Show existing Vulcan Pit (Map 3 – Existing Vulcan Pit showing adjacent areas of environmental concern [from an existing WEI report)
    b. Description of how it works and sources waters available to it now
    c. Recharge potential and amount of recent recharge
    d. What limits recharge?

2. Conceptual proposal to convert the Vulcan Pit into a storm water management and recharge project
    a. Show conceptual improvement and compare supplemental and storm waters recharge capacities (Map 4 – showing drainage area)
    b. Other Benefits of the Vulcan Pit Project (reduces the flood control storage requirement for the Jurupa basin implying the ability to create conservation storage in that basin without excavation – that is the Vulcan Pit Project increases conservation at downstream facilities, somewhat the opposite of what would be intuitively expected)
    c. Potential hurdles

Wineville Basin Project

1. Characterize the Existing Wineville Basin
    a. History– Show existing Wineville plan (Map 5 – Existing Wineville basin and proof of concept improvements)
    b. Description of how it works and sources waters available to it now
    c. Recharge potential and amount of recent recharge
    d. What limits recharge?

2. Conceptual proposal to expand recharge in Wineville Basin
    a. Show conceptual improvement and compare supplemental and storm waters recharge capacities
    b. Potential hurdles