

COUNTY of ORANGE
OC PUBLIC WORKS
FIELD UNIT - COMPUTER PROCESSING & MAPPING
FIELD DATA REPORT
SEVEN OAKS DAM PROJECT - EF40054
VOLUME SUMMARY

Sub-Area	Elevation	Surface Description		2D Area (Sq.Ft)	Cut Factor	Fill Factor	Cut (Cu. Yd.)	Fill (Cu. Yd.)	Net (Cu. Yd.)	
		Base *	Comparison**							
Main Intake Channel Reservoir	2152' (As-Built)	Combined UAV_Field 2022	AERIAL LIDAR AS-BUILT 2002	669,936	1.0	1.0	220,299	4,468	-215,831	Cut
NW'LY Intake Channel Reservoir	2184' (Existing Condition)	Combined UAV_Field 2022	AERIAL LIDAR AS-BUILT 2002	135,586	1.0	1.0	7,772	1,182	-6,591	Cut
NE'LY Intake Channel Reservoir	2160' (Existing Condition)'	Combined UAV_Field 2022	AERIAL LIDAR AS-BUILT 2002	138,563	1.0	1.0	39,248	249	-38,999	Cut
TOTAL							267319	5898	-261422	<Cut>

NOTE :

1- AERIAL LIDAR AS BUILT 2002 SURFACE WAS ESTABLISHED FROM THE 3D POLYLINES WHICH WERE PROVIDED IN THE AERIAL LIDAR AS BUILT DRAWING 2002.

2- COMBINED UAV_FIELD 2022 SURFACE WAS ESTABLISHED FROM MERGING THE UAV DATA AND THE CONVENTIONAL SURVEY DATA.

3- THE CONVENTIONAL SURVEY DATA ARE LIMITED FOR THE LOCATIONS UNDER THE EXISTING WATER SURFACE.

OC Survey Surface Used:

*Combined UAV_Field 2022

**Aerial Lidar As Built 2002