

COUNTY of ORANGE  
OC PUBLIC WORKS  
**FIELD UNIT - COMPUTER PROCESSING & MAPPING**  
**FIELD DATA REPORT**  
**2024 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**							
<b>Main Intake Channel Reservoir</b>	±2150' (As-Built)	Combined UAV_Field 2024	AERIAL LIDAR AS-BUILT 2002	669,936	1.0	1.0	694,320	0	-694,320	Cut
<b>NW'LY Intake Channel Reservoir</b>	±2180' (Existing- Condition)	Combined UAV_Field 2024	AERIAL LIDAR AS-BUILT 2002	135,586	1.0	1.0	125,147	0	-125,147	Cut
<b>NE'LY Intake Channel Reservoir</b>	±2180' (Existing- Condition)	Combined UAV_Field 2024	AERIAL LIDAR AS-BUILT 2002	138,563	1.0	1.0	17,648	98	-17,550	Cut
TOTALS:				944,085			837,115	98	-837,017	<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 2024 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 2024

\*\*Aerial Lidar As Built 2002