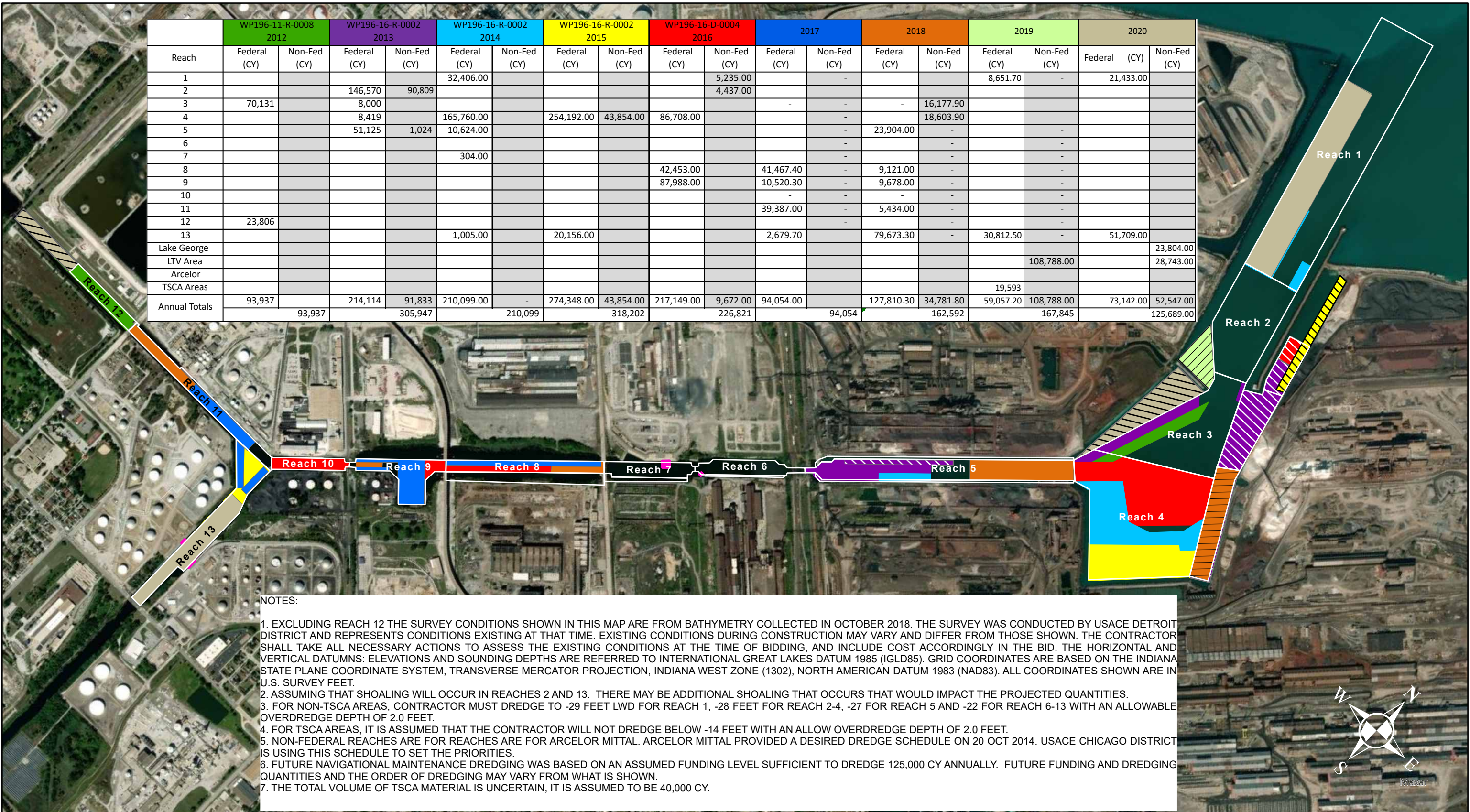


Reach	WP196-11-R-0008 2012		WP196-16-R-0002 2013		WP196-16-R-0002 2014		WP196-16-R-0002 2015		WP196-16-D-0004 2016		2017		2018		2019		2020	
	Federal (CY)	Non-Fed (CY)	Federal (CY)	Non-Fed (CY)	Federal (CY)	Non-Fed (CY)	Federal (CY)	Non-Fed (CY)	Federal (CY)	Non-Fed (CY)	Federal (CY)	Non-Fed (CY)	Federal (CY)	Non-Fed (CY)	Federal (CY)	Non-Fed (CY)	Federal (CY)	Non-Fed (CY)
1					32,406.00				5,235.00						8,651.70		21,433.00	
2			146,570	90,809					4,437.00									
3	70,131		8,000											16,177.90				
4			8,419		165,760.00		254,192.00	43,854.00	86,708.00					18,603.90				
5			51,125	1,024	10,624.00								23,904.00					
6																		
7					304.00													
8									42,453.00	41,467.40			9,121.00					
9									87,988.00	10,520.30			9,678.00					
10																		
11										39,387.00			5,434.00					
12	23,806																	
13					1,005.00		20,156.00			2,679.70			79,673.30		30,812.50		51,709.00	
Lake George LTV Area																108,788.00		23,804.00
Arcelor																		28,743.00
TSCA Areas															19,593			
Annual Totals	93,937		214,114	91,833	210,099.00	-	274,348.00	43,854.00	217,149.00	9,672.00	94,054.00		127,810.30	34,781.80	59,057.20	108,788.00	73,142.00	52,547.00
		93,937		305,947		210,099		318,202		226,821		94,054		162,592		167,845		125,689.00



NOTES:

1. EXCLUDING REACH 12 THE SURVEY CONDITIONS SHOWN IN THIS MAP ARE FROM BATHYMETRY COLLECTED IN OCTOBER 2018. THE SURVEY WAS CONDUCTED BY USACE DETROIT DISTRICT AND REPRESENTS CONDITIONS EXISTING AT THAT TIME. EXISTING CONDITIONS DURING CONSTRUCTION MAY VARY AND DIFFER FROM THOSE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY ACTIONS TO ASSESS THE EXISTING CONDITIONS AT THE TIME OF BIDDING, AND INCLUDE COST ACCORDINGLY IN THE BID. THE HORIZONTAL AND VERTICAL DATUMS: ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD85). GRID COORDINATES ARE BASED ON THE INDIANA STATE PLANE COORDINATE SYSTEM, TRANSVERSE MERCATOR PROJECTION, INDIANA WEST ZONE (1302), NORTH AMERICAN DATUM 1983 (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET.
2. ASSUMING THAT SHOALING WILL OCCUR IN REACHES 2 AND 13. THERE MAY BE ADDITIONAL SHOALING THAT OCCURS THAT WOULD IMPACT THE PROJECTED QUANTITIES.
3. FOR NON-TSCA AREAS, CONTRACTOR MUST DREDGE TO -29 FEET LWD FOR REACH 1, -28 FEET FOR REACH 2-4, -27 FOR REACH 5 AND -22 FOR REACH 6-13 WITH AN ALLOWABLE OVERDREDGE DEPTH OF 2.0 FEET.
4. FOR TSCA AREAS, IT IS ASSUMED THAT THE CONTRACTOR WILL NOT DREDGE BELOW -14 FEET WITH AN ALLOW OVERDREDGE DEPTH OF 2.0 FEET.
5. NON-FEDERAL REACHES ARE FOR REACHES ARE FOR ARCELOR MITTAL. ARCELOR MITTAL PROVIDED A DESIRED DREDGE SCHEDULE ON 20 OCT 2014. USACE CHICAGO DISTRICT IS USING THIS SCHEDULE TO SET THE PRIORITIES.
6. FUTURE NAVIGATIONAL MAINTENANCE DREDGING WAS BASED ON AN ASSUMED FUNDING LEVEL SUFFICIENT TO DREDGE 125,000 CY ANNUALLY. FUTURE FUNDING AND DREDGING QUANTITIES AND THE ORDER OF DREDGING MAY VARY FROM WHAT IS SHOWN.
7. THE TOTAL VOLUME OF TSCA MATERIAL IS UNCERTAIN, IT IS ASSUMED TO BE 40,000 CY.



Legend					
2012, Federal	2014, Federal	2016, Non-Federal	2018, Federal	2019, Non-Federal	2020, Non-Federal
2013, Non-Federal	2015, Federal	2016, Federal	2018, Non-Federal	2019 - TSCA	
2013, Federal	2015, Non-Federal	2017, Federal	2019, Federal	2020, Federal	

**Indiana Harbor**  
Dredging Volumes by Year December 2023

0 500 1,000 2,000 3,000 4,000

Feet  
Chicago District, U.S. Army Corps of Engineers