U.S. ARMY CORPS OF ENGINEERS 518,000 512,000 515,000 US Army Corps of Engineers District: CEMVN STA. 5+04.00 AZ. 94°32'19.0 CALCASIEU **CHAN** LL=42.3 MLLW_ R SHEET 20
R_20250106_CS 518,000 515,000 512,000 2,641,000 CALCASIEU NOTES: Horizontal Coordinate System: VICINITY MAP North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Louisiana South Zone. Distance units in U.S. Survey Feet. **LEGEND** -16' and above DM 72 VRN: -0.26 MLLW AVG Gage Reading: Soundings are shown in feet and indicate depths below Mean Lower Low Water Datum (MLLW). 3 Fluff Thickness (feet)* CHOPPY Datum Relationships for gage 73615 as of December 2013: -16' to -21' Sea Conditions: --- Federal Navigation Channel Cable Area 0.0' NAVD88 (2009.55) = 1.1' MLLW = 2.1' MLG or 0.0' MLLW = 1.0' MLG **MV TECHE** -21' to -26' Vessel Name: 9 11 12 13 14 15 16 17 18 19 20 21 — Federal Navigation Center Line Placement Area Shoalest Sounding** Distances on the Calcasieu River are shown at 1 mile intervals. CONDITION Survey Type: -26' to -33' Esri, HERE Garmin (c) OpenStr the GIS user Channel Sounding Frequency***: LOW The location of navigation aids are base on and provided by the U.S. Coast Guard **Upper Channel** [__] Anchorage Area As-built Pipeline/Cable -33' to -39' Beacon, General and USACE survey crews. -39' to -41' ∅ Obstruction Point ---- Unconfirmed Pipeline/Cable 2022 Aerial Photography data source: PAR LLC 40 41 42 43 44 45 46 47 48 49 Red Navigation Buoy Sheet -41' to -43' Reference is N.O.A.A. Navigation Chart No. 11339. Wrecks-Submerged — Project Depth Contour Reference -43' and below Green Navigation Buoy 400 1,200 * Difference between high and low frequency elevations where greater than 1.0'. Number ** Shoalest Sounding per Quarter per Reach. 20 **of** 53 *** High frequency (200 kHz) survey data represents the first signal return at a sounding location and will include suspended solids, known as "fluff", if present. Low frequency (20 kHz) survey data normally penetrates through this "fluff" layer to depict elevations of consoldiated bottom Revison Number: material. Low frequency accuracies may vary depending on channel conditions and fathometer 4.2-20200420