

10/23/01 OIRCE-05

Atchafalaya River Boomer / ~~CHRP~~ / Side Scan / Bathymetry
Running River channel, heading upstream
Crew: Rich Y, Nick F, Dara W, Jim F.

River calm. Skies clear, wind 5.5 kts.

Tie-line to previous line at Deer Island / Shell Is. Pass.
NO CHRP (and receiving)

OIRCE05 013001 SOL 1905

1921 problem w/ Boomer. eel

1932 SOL 013002 Just north of Shell Is. Pass River Inlet
20310, possible sand waves in Boomer prior to this -
Features in Side Scan at buoy "R18" adjacent to "Oxbow Is."

2010 crew-boat wake

turning ^{around} at buoy 20, heading back downstream on right side of
Channel (downstream)

2014 turning. eel. (boomer)

2015 SOL 013003 heading ~~downstream~~ downstream at Oxbow Is. (downstream)

2024 possible (smaller) sand waves, right side of channel "
↑ upstream of red marker buoy "86"

2038 at downstream end, turning upstream heading up middle of channel.

2038 SOL 013004 heading upstream up middle

2043 barge w/ dredge pipe in our way, turning around

2047 boat wake

2049 pulling side scan shallow

2053 barge clear, turning around heading upstream

2101 possible sand waves seen in boomer/side scan just upstream of green buoy "7"

2109 boat wake

211929 666888.2 3267542.03 ($\sim 29^{\circ} 31.6320$ $91^{\circ} 16.7177$)

possible sand waves in boomer - sidescan

2150 eol past marker buoy 20. eod.

10/24/01 RCEOS Bomer/Sidescan/Bathy

Continuing up Atchafalaya River from yesterday's survey at 'Callow Is.'. No CHIRP.

Winds 10-15 kts, seas < 1' chop., current ~3 kts.

Crew: Nick F., Dana W., Rich Y., Jim F.

SOL 015005 160800 just upstream of marker 7

Bathy filename 000-1607.297

CHIRP recording (015005) - noisy. ← NOT RECORDED

1707 possible sand waves in sidescan, approaching marker 23

1720 small waves in Bomer/Sidescan (water deepens)

1725 end Bomer line, CHIRP (cal.)

1726 SOL 010006, 010006 ← NOT RECORDED

1741 Boat wakes

1751 Big sand waves 91° 13.7691 29° 34.0068

18734 Sand waves in Bomer/Furrow 29° 35.1957 91° 39.254

Sand waves appear ^{upstream and of} at confluences (Bayou Shane, Shell Is. Pass, Crewboat cut), hard bottom elsewhere (map out)

1847 feature in sidescan is possibly boat wake

1855 - Sidescan may be obscured by plant material collecting on cable

1921 possible large sand waves - could be the bank

1926 cal, ~~not recording~~ ~~CHIRP~~ may not have recorded CHIRP line 6

1927 SOL 010007

2009 cal at Intercoastal

OIRCEOS

10/28/01 Pass. A. Loutre (Miss. R.) CAIRP/Sidescan
 Sidescan survey of area in P.A.L. surveyed previous
 year. Trying 20 m swath on each side.
 Water depth varies from 8 ft to over 40 ft.
 Skies clear, cold. winds 20 kts NE, seas 1' chop. Crew
 Rich Y., Dana W., Nick F., Jim F.
 NO BOOMER (not necessary)

SOL. 1603 01C008 heading upstream from SE corner

EOL 1751 01C008 turning around starting new line
 SOL 1752 01C009
 EOL 1904 01C009
 SOL 1905 01C010

2021 eol. upriver. Turning around

2022 SOL 01C011

2121 eol; turning around

2122 SOL 01C012

2207 eol. at south shore.

10/29/01 Pass - A - Centre of RCE 05 CHIRP/Sidescan

Finishing grid - same crew/weather as yesterday

1452 Deploying fish off bow (sidescan) - off stbd. yesterday

SOL 01C013 "down river" gaps

1509 EOL ^(CHIRP) - Having problems w/ CHIRP - pull - redeploy
01C013A

1601 - eol (sidescan) finished "~~east~~^{east}" end.

moved to "west" end linear channel to finish gaps.

CHIRP is back (maybe)

1611 Sol 01C014 near channel. CHIRP is not recording well

1635 At eol, turning around, north side.

1635 Sol 01C015

1651 turning around

1652 Sol 01C016

1708 eol, turning around.

1709 Sol 01C017

1718 eol, turning around

1719 Sol 01C018

1726 turning around - keeping same line

1734 eol, turning south into inlet -

1735 Sol 01C018 heading to inlet, then back out

1743 eol out of inlet

South Pass grid. shore parallels.

1922 Sol 01C020

1957 eol, turning around

1958 Sol (sidescan), CHIRP messed up, CHIRP intermittent
nearest east shore

6125¹²

\$65⁰⁰

Days 86

\$79⁰⁰

389

2043 eol, turning downstream

2045 eol 01C022 -

2121 eol, turning upstream

2122 eol 01C023 upstream middle

2202 eol. eol.

12896

1250 109.75
3150

00609

877-434-1551

~~mt~~ MTFPEL Nick

MZFPEO Jim

10/30/01 OIRCEOS South Pass, Miss. River.

finishing grid in South Pass - same as Crew: Rich Y.,
Jane W., Nick F., Jim F. Skies clear, wind/seas calm.

Running Boomer today - no CHIRO

1433 sol 016023 downstream.

1513 eol. turning upstream.

1513 sol 016024 upstream near west bank

1518 boat turning -

1522 ending line - turning around - restarting line

153547 sol rerunning 015024

161917 eol. turning downstream.

1620 sol 015025

1656 eol, turning upstream - near west bank

1658 sol 015026

1713 near west bank (innermost line), bathymeter 23 picking
up "false" return - possible misinterpretation of fluid mud layers.

Note this line - transparent layer at top. Care

1742 rotating vessel - avoiding who-knows-what.

1747 eol - not accomplishing anything by maneuvering boat.

1750 sol 016027 finishing nearshore line downstream.

1800 Very large high angle reflectors deep - down to 100 ms.

1826 eol, turning diagonal upstream -

1827 sol 015028

2034 eol at head of passes.