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5HFHQW DUFKDHRORJLFD O UHVHDFK WR 6 H6 RII WLCF P Q W G O H B H V W V L G
D 1DWLRQDO :LOGOLIH 5HIXJH 1:5 9LQFHQW WR X Q G W M X R W L Z H V W R I W K H
ODUJHVW EDUULHU LVODQG)LJXUHV +LVWRULFD Q R F X P K H W M Q D D G K D G
H[WHQVLYH PDWHULDO UHFRUG GDWLRU XVH 6 D O P R V , Q G L D Q W K X Q W K Q J
SURWRKLVWRULF WLPHV)LHOG VXUMHHQOLP SRH W L Q H V W I R Q V L F D Q D P D U P R L Y
D Q G F R O O H F W L R Q V U H V H D U F K Q R Z H S H U P H W D D Q A R P G D H K Q Q V L Y A W 9 L Q
H[DPLQDWLRQ RI WKH KXPDQ KDELWDWLRQ DQG ORQJ WHUP XVH RI
WKH LVODQG 7KH GDWD DOWHU H[LVWLQJ
LQWHUSUHWDWLRQV RI VHWWOHPHQW SDWWHUQV
DQG RWKHU UHFRQVWUXFWLRQV RI SDVW
QDWLYH OLIH LQ WKLV UHJLRQ IRU VRPH
WLPV SHULRGV

Environmental Setting

6W 9LQFHQW LV WKH FORVHVW
EDUULHU LVODQG WR WKH PDLQODQG LQ WKH
SSDODFKLFROD GHOWD UHJLRQ ,QGLDQ
3DVV DW LWV QRUWKZHVW HQG QDPHG
DIWHU WKH KLJKO\ YLVLEOH DUFKDHRORJLFD O
UHFRUG RQ ERWK VLGHV RI LW LV RQO\
P ZLGH \$W WKH VRXWKHDVW HQG WKH
LVODQG LV VHSDUDWHG IURP WKH ZHVW
HQG RI /LWWOH 6W *HRUJH ,VODQG E\
:HVW 3DVV ZKLFK LV OHVV WKDQ NP
ZLGH 6W 9LQFHQW 6RXQG WKH DUP
RI SSDODFKLFROD %D\ WKDW VHSDUDWHV
WKH LVODQG IURP WKH PDLQODQG LV OHVV
WKDQ WZR PHWHUV GHHS LQ PRVW SODFHV
7ZLFKHOO HW DO

DQG FD PHWHUV DSDUW &DPSEHOO
2YHU LWV \HDU OLIHWLPV
PRUH WKDQ ULGJHV IRUPHG GXULQJ
WKH ODWH +RORFHQH)RUHVW DV
WKH LVODQG EHJDQ WR DFFUHHW &DPSEHOO
6WDSRU DQG 7DQQHU
)UHVK ZDWHU DFFXPXODWHV LQ VZDOHV
SRQGV DQG VPDOO FUHHNV (GPLVWRQ
\$ SRVVLEOH GURZQHG VSULQJ

FHQWHUHG RQ WKH GDWLQJ DQG IRUPDWLRQ SURFHVVHV RI 6W 9LQFHQW
EHDFK ULGJHV DQG LQYROYHV PFK GHEDWH 7KRPDV KDV D
JRRG VXPPDU\ 7KH PRUH UHFHQW ZRUN KDV DUFKDHRRORJLFDO
FRUURERUDWLRQ %DOVLOOLH DQG 'RQRJKXH :DONHU HW DO
7KH \RXQJHVW ULGJHV RQ WKH ZHVWHUQ DQG VRXWKHUQ
VLGHV SUREDEO\ GDWH WR DERXW \HUV DJR 'RQRJKXH
6WDSRU DQG 7DQQHU SURSRVHG WKDW VLQFH
EHDFK ULGJH KHLJKW LV UHODWHG WR ZDYH KHLJKW VHD OHYHO PXVW
KDYH EHHQ DERXW P ORZHU WKDQ DW SUHVHQW LQ RUGHU WR IRUP
WKH ROGHVW EHDFK ULGJHV WKDW DUH QRZ RQO\ RQH PHWHU KLJK :H
FROODERUDWHG ZLWK JHRORJLVWV)UDQN 6WDSRU DQG -RH 'RQRJKXH WR
REWDLQ QHZ GDWHV WR DGGUHV TXHVWLRQV RI VHD OHYHO ÀXFWXDWLR
7KH K\SRWKHVLV WKDW D VHD OHYHO KLJK VWDQG RI DSSUR[LPDWHO\
P DERYH SUHVHQW RFFXUUHG DW VRPH WLPH EHWZHHQ DQG
\HUV DJR %DOVLOOLH DQG 'RQRJKXH 'RQRJKXH DQG
:KLWH :DONHU HW DO LV VXSSRUWHG E\ RXU ZRUN
GLVFXVVHG EHORZ
2XU QHZ GDWD VXJJHVW WKDW WKH ROGHVW DUFKDHRRORJLFDO
PDWHULDOV IURP WKH LVODQG DUH 3DOHR ,QGLDQ SURMHFWLOH SRLQW
DW FD \HUV % 3 GHSRVLWHG E\ SHRSOH OLYLQJ WKHUH
GXULQJ WKH 3OHLVWRFHQH ZKHQ WKH DUHD ZDV QRW DQ LVODQG EXW
ZHOO LQODQG DQG SUREDEO\ ULYHUEDQN)LEHU WHPSHUHG SRWWHU\
WKH ROGHVW FHUPLFV LQ 1RUWK \$PHULFD DW DERXW % 3
REVHUYHG HURGLQJ RXW RI GHHS SHDW GHSRVLWV RQ WKH QRUWK VKRUH
PD\ KDYH EHHQ GHSRVLWHG DV WKH LVODQG ZDV IRUPLQJ 7KH
SUHKLVRULF FXOWXUDO HYLGHQFH FRPSULVHV DQ DOPRVW FRQWLQXRX
VKHOO PLGGHQ ULGJH RU VWUDWD H[WHQGLQJ DORQJ WKH ZHVWHUQ
SRUWLRQ RI WKH QRUWK VKRUH RI WKH LVODQG DQG SUREDEO\ RQFH
FRQWLQXRXV DORQJ WKH HDVWHUQ SRUWLRQ RI WKH QRUWK VKRUH XQW
PRVW ZDVKHG DZD\ DQG DOVR DERXW KDOI ZD\ GRZQ WKH HDVW
VKRUH DQG DORQJ WKH QRUWK VKRUH RI WKH %LJ %D\RX LQOHW
6WRUPV LQ WKH ODVW WKUHH WR 2YH GHFDGHV KDYH ZDVKHG DZD\
PXFK RI WKH DUFKDHRRORJLFDO GHSRVLWV DQG KDYH UHGHSRVLWHG
VKHOO PLGGHQ PDWHULDO VRPHWLPHV PDNLQJ LW KDUG WR WHOO
ZKDWLWV FRGLDQ DQ PLGSHQV DQG ZRUWLEBGLVLPXUE ÀG@ öPLOYHQ ÀW6K ÀLUP C
SRVLWLRQV UHODWLYH WR ZLQGV UDLQ DQG ZDYHV 6W 9LQFHQW DQG
WKH RWKHU EDUULHU IRUPDWLRQV DUH DOZD\V H[WUHPHO\ G\QDPLF
ODQGIRUPV \$ VLQJOH VWRUP FDQ ULS RII SLHFHV IURP RQH DUHD
DQG UHGHSRVLW WKHP HOVHZKHU KLVWRULF VKRUHOLQH ORVV RQ /LWV
6W *HRUJH ,VODQG LV HVWLPDWHG DW EHWZHHQ DQG P SHU
\HUV 'RQRJKXH HW DO 6DQDU [Y /DWHO\
KRZHYHU VWRUP UHJLPHV PD\ 3€Ñ€P•& Hp0H[#0 €GÀ•U TOPfi `0PX 1 HÑR`S@

-DPHV 0LOOHU -RKQ *ULI;Q DQG FROOHDJXHV DW &XOWXUDO
5HVRXUFHV 0DQDJHPHQW ,QF 7DOODKDVVHH VXUYH\HG RQ 6W

FROOHFWLRQ¶V UHOLDELOLW\ VLQFH VXFK UDUH DUWLIDFWV ZRXOG EH K
WR REWDLQ LI WKH\ ZHUH QRW DFWXDOO\ WKHUH DOUHDG\ 7KH SRLQWV
LQFOXGH AXWHG XQAXWHG &ORYLV 6DQWD)H RU 6LPSVRQ 6XZDQHH
DQG SRVVLEOH %HDYHU /DNH W\SHV 7KH\ VXJJHVW WKDW ZKDW LV
QRZ WKH FRDVW ZDV LQKDELWHG DV HDUO\ DV WKH ¿UVW KXPQV JRW
WR QRUWKZHVV)ORULGD XS WR \HDUV DJR \$OO IRXU VLWHV
DUH VKHOO PLGGHQV ZLWK ODWHU SUHKLVRULF FXOWXUDO FRPSRQHQW

PLFURWRROV DQG DOVR IUDJPHQW ERIUFKFRYDFRUMBULIVWUR SFSOHDG EOWB VZ BWH
 3RYHUW\ 3RLQW 2EMHFWV DV ZHOO DKHDFW DQEGDON EHDYGH EIHUQGGMFRSHWU
)LJXUH 3RYHUW\ 3RLQW UHODWHS PDKWDSVLB WFKXW WXIWY LXWGOVWDUE DW H
 DFURVV ORZ OILQJ ZHWODQGV RI WKHDQRHWKBWQ *XOI7&RID MWV SZHW KE HDG
 UHODWLYHO\ HDV\ FRQQHFWRQ EI\ EDWHH WKDG RFR FLKHO PDMRXD OH QRMHHUYHQ V
 RI 3RYHUW\ 3RLQW DQG &ODLERUQH [LVQH QW URW KFRDYHW WR X RV LQDQ DQDWHGJ DFW
 VRXWKHDVW OLVVLVVLSSL UHVSHFWRYWGH WHR SQ BRXVMZ HDQ/G)ORU L'XDI RIJH
 *LEVRQ 0LFURWRROV PD\ KDYHQGBHFDWRW VLDJQLFQDQW LQWHUFRQQH
 ZRRGHQ DUWLIDFWV ZKLFK DUH QRMDRQWU DQVSRUWWRI SDNRIS QKWWRLQJV
 PRUH DEXQGDQW UZD PDWHULDO EXW DOVR DUH DEOH WR ARDW DQG

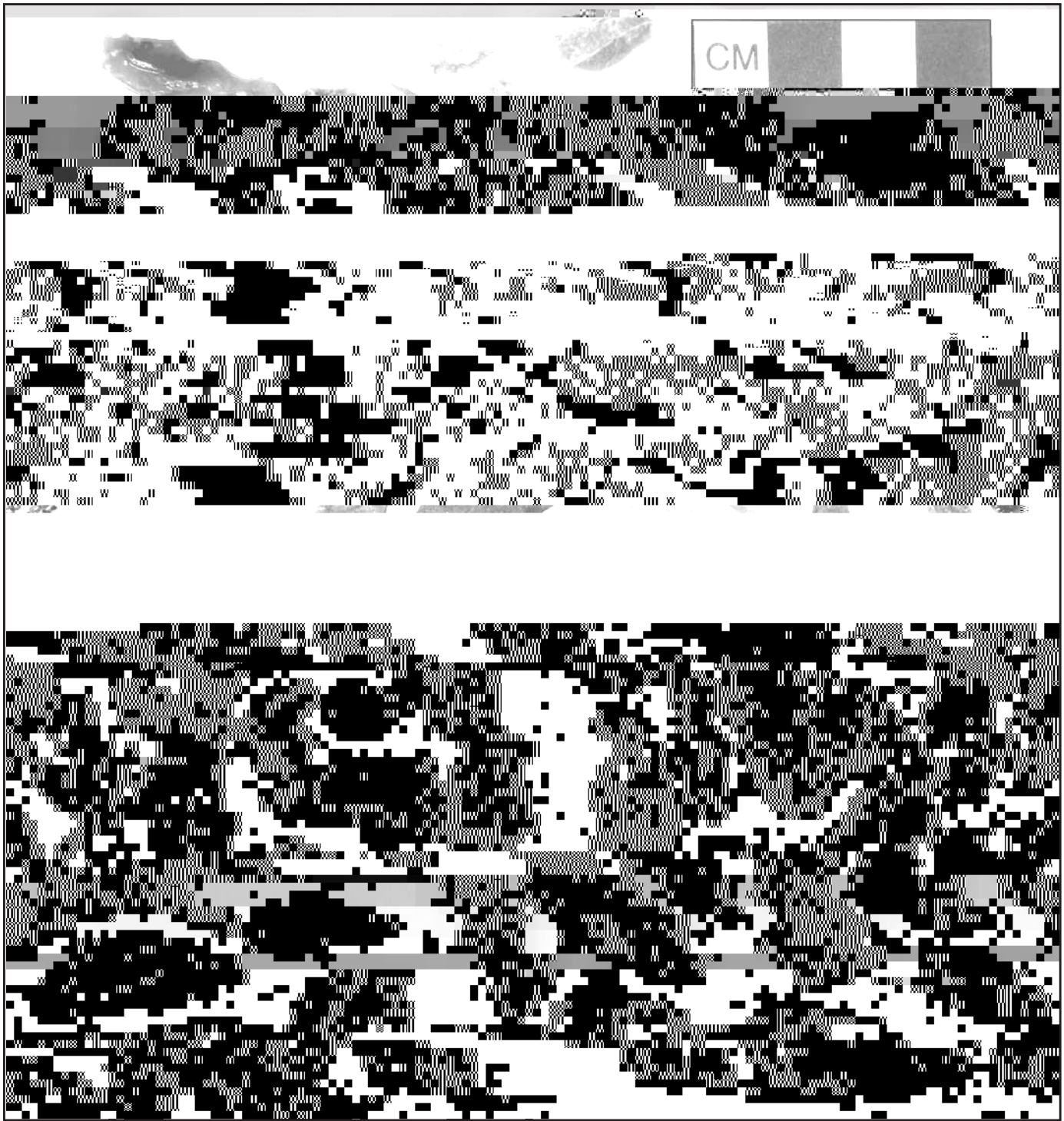


Figure 6. Late Archaic chert microtools from the St. Vincent 5 site (USF# JC8Fr364-15-1.120; collector's numbers on some).

Woodland

9LQFHQW RQ WKH ZHVW VLGH RI WKH QRUWK VKRUH DQG WKH 3DUDGLVH
 3RLQW VLWH DW WKH QRUWKHDVW WLS RI WKH LVODQG %RWK ZHUH WHVWH
 GHVFULEHG EHORZ

/DWH :RRGODQG PDWHULDOV ZHUH LGHQWLHG IRU FHUWDLQ DW
 RQO\ WZR VLWHV ZLWK VHYHQ PRUH SRVVLEOH FRPSRQHQWV IURP WKLV
 WLP SHULRG)HZ DUWLIDFW W\SHV DUH WUXO\ GLDJQRVWLF IRU /DWH
 :RRGODQG ,W LV FKDUDFWHUL]HG E\ PRVO\ FKHFN VWDPSHG DQG
 SODLQ FHUWDLQV DQG ODWH :HHGHQ ,VODQG W\SHV VXFK DV &DUUDEHOH
 3XQFWDWH ,QFLVHG DQG .HLWK ,QFLVHG %\ WKLV WLP WKUH DUH IHZ
 RU QR HDUO\ :HHGHQ ,VODQG RU 6ZLIW &UHHN FHUWDLQV RU 0LGGOH
 :RRGODQG H[RWLF PDWHULDOV 'DWHV RQ RXU WHVW H[FDYDWLRQ DW
 WKH 6W 9LQFHQW VLWH VKRZH FRQLQXRXV RU UHSHDWHG 0LGGOH
 WKURXJK /DWH :RRGODQG KDELWDWLRQ GLVFXVVHG EHORZ

Fort W

EXW PRGHUQ ND\DNHUV FDQ JR IURP 6W 0DUNV WR 6W 9LQFHQW LQ
EHWZHHQ GD\V 7KH 6SDQLDUGV DSSURDFKHG DQ LVODQG FORVH

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

UDEELW UDW RWKHU VPDOO FUHDW XWRX JXQVKH XULSGH VLDQJH \L QZ KDXO FM
 ,QYHUWHEUDWHV ZHUH PRVWO \ R\ VWPLG 6 XW HQSFDXHG G QF RQFK W HZ\KH OZHV Z
 DUN VKHOOV PDUVK SHULZLQNOH R\ WWHW LEDOYD OYQGV DDOGR JVD\NHU RLSRRG W
 DQG WHUUHVWULDO VQDLOV D KRULJRQWDO FRUH)LJXUH I
 OXPLQHVHFHQFH 26/ GDWLQJ ZKLFK
 H[SRVHG WR VXQOLJKW VLQFH EXUL
 % 3 RU DERXW \$ ' WV ZHOO

Paradise Point Site, 8FR71

2Q WKH HDVW VLGH RI WKH LVO FOGDPLQFRUWK WKRUXISBQG POBQH
 WR WKH RWKHU ULFK R\ VWHU EDU R\ WKBG LQ\HZ 3URDQWR RD UEURHG GD WR R GR C
 LI OLPLWHG UHVHDFK RSSRUWXQLWV 7KH V%VBH la\$ GLI; FXD\GWR RLPH WR
 UHTXLULQJ DQ DLUERDW RU ZDGLQJ VRPBIQG P DQGE R\XW \$ RUN DQG
 QHHGHG FRPSOH[VFKHG XOLQJ DURXQB VZLQRCH; W RV WCKHVFB DQG DQ WPLWLHGW L
 GD\OLJKW *HRORJLVWV 'RQRJKXH :DQWRQV DQB UW BQ G RZM XGDHQ WLVG GOH
 MRLQHG XV WR H[FDYDWH D P ZLGHFR RSRBQHQW SURH; QBRVZQD WVRKFRHCO

FP RI EODFNLVK R\ VWHU VKHOOP SBQMHQB YHSDOLCRJ ,DEGRXW \$EJFKDLF
 RI EURZQHU FOD\H\ VDQG DQG OHVVOBHQYHELVBFB OFD%KERZ; BKLVWVBBSHU
 WKH FP WKLFN JUD\ FOD\ VWUDW KPD JPBQWWHO OD *RHFDFHRX RWRFN DQG

< YHU\ GDUN JUHQQLVK JUD\ ZLWKWQRKDVWZDDRWQ DLZDWHWVSNHWHQO
 WR EH WKH UHVXOW RI D VHD OHYHOKN WHDGG UKOLLKHU FRVPSBQ HDQW VUHVHC
 %HORZ WKDW ZDV DW OHDVW PRUH FP RI R\ VWHU VKHOOP LGGHQ
 %UDOH\TV ZRUN KDG LQFOXGHG D UDGLRFRSDFR QURGRYH SODFLQJ
 WKLV ORZHU :RRGODQG PLGGHQ DW DERXW \$ ' EXW
 WKH GDWH ZDV RQ VKHOOP QRW FKDUFRKBOHYRGSIRVHLFC\ JXGMRLRQDBO
 EHFDXVH RI WKH PDULQH UHVHUYRLQLQHFW ,VQBQGS\SHVKRLGHQHLQHW KD
 FOHDUO\)RUW :DOWRQ NQRZQ VHWWOHPHQW SDWWHUQ RI

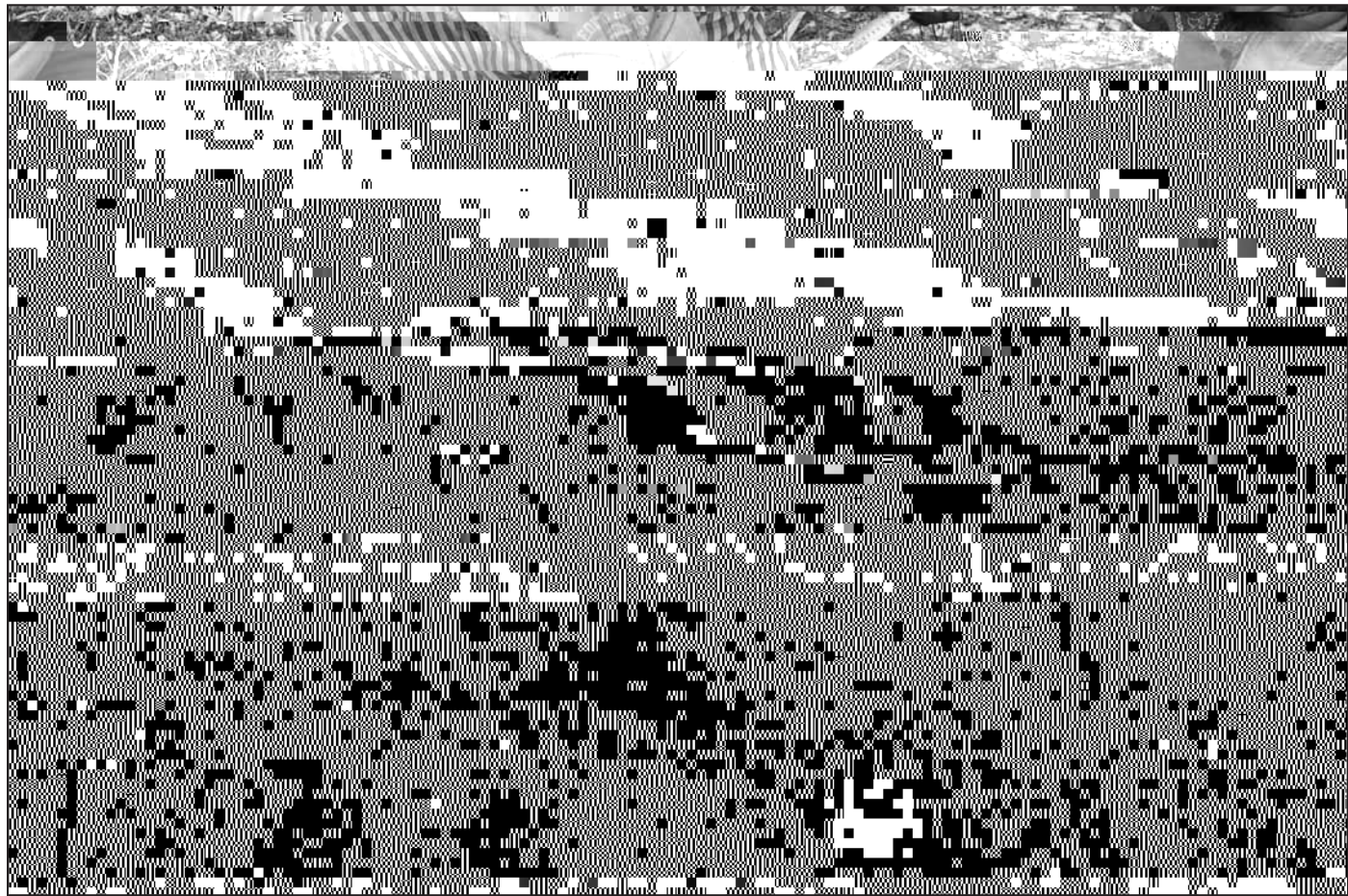


Figure 11. Geologist Frank Stapor pounds horizontal core tube into the profile at Paradise Point site, 8FR71, right above dark clay stratum representing higher-than-present sea level, to get OSL date, 10 March 2010.

PDQDJHU &KDUORWWH &KXPQH\ DQG RWKHUV IDFLOLWDWHG DOO UHVHDU
HIIRUWV ,Q WKH ¿HOG WKH LQFRPSDUDEOH 'DOH 6KLYHU DQG DVVLVWDO
(GGLH (FNOH\ WUDQVSRUWHG XV WR WKH LVODQG GDLO\ ORDQHG WKHL
HTXLSPHQW DQG UHVFXHG XV ZKHQ ZH JRW VWXFN 'RQDWLRQV
WR VXSSRUW VWXGHQW ZRUN JLYHQ E\ 86) DOXPQD DQG GHYRWHG
DUFKDRORJLVW 'RURWK\ :DUG DQG 1LFN %DOGZLQ RI WKH)ULHQGV
RI 6W -RVHSK %D\ 3UHVHUYHV SURYLGHG WKH RQO\ IXQGLQJ IRU WKH
SURMHFW 0DULH DQG -RH\ 5RPDQHOOO GRQDWHG WULSV WR IURP WKH
LVODQG RQ WKH 6W 9LQFHQW VKXWVOH VHUYLFH 7KH 6W -RVHSK %D\
%XIIHU 6WDWH 3UHVHUYH RI WKH \$SDODFKLFROD 1DWLRQDO (VWXDULQH
5HVHDFK 5HVHUYH \$1(55 SURYLGHG FUHZ ORGJLQJ DQG
VWDII 3DW 0LOOHQGHU DQG -LPP\ 0RVHV ZRUNHG D GD\ ZLWK WKH
FUHZ DQG KHOSHG ¿[WKH 86) WUXFN ZKHQ LW ORVW ZKHHO GULYH
FDSDELWLW\ 6SHFLDO WKDQNV JR WR WKH LQWUHSLG 86) VWXGHQW
¿HOG VFKRRO FUHZ &KDG %UDOH\ RI 6RXWKHDVWHUQ \$UFKDRORJLFD
6HUYLFHV LQ \$WKHQV *HRUJLD DQG -LP 0LOOHU IRUPHU VWDWH
DUFKDRORJLVW RI)ORULGD SURYLGHG GHWDLOV RI WKHLU HDUOLHU
ZRUN DQG &KDUOLH (ZHQ DW (DVW &DUROLQD 8QLYHUVLVW\ IRXQG
GDWD RQ WKH 3KHOSV FROOHFWLRQV WKHUH *HRORJLVW -RH 'RQRJKXH
QRZ DW 8QLYHUVLVW\ RI &HQWUDO)ORULGD ZDV WKHUH IRU DGYLFH
DQG ¿HOGZRUN IRU PDQ\ \HDUV KH DQG JHRORJLVW)UDQN 6WDSRU
QRZ DW 7HQQHVVHH 7HFK 8QLYHUVLVW\ KHOSHG ZLWK H[FDYDWLRQV
DW 3DUDGLVH 3RLQW DQG SURYLGHG GDWHV WR LQWHUSUHW VHD OHYH
ÀXFWXDWRQV 6WDSRU DOVR VHQW ROG SKRWRV DQG GRFXPHQWV -HII
'X 9HUQD\ SURYLGHG WKH /L'\$5 PDS .LPEOH LV JUDWHIXO WR WKH
)ORULGD \$UFKDRORJLFD &RXQFLO IRU D -RKQ : *ULI¿Q 6WXGHQW
\$ZDUG ZKLFK SDLG IRU WKH WZR UDGLRFDUERQ GDWHV +RQRUV
VWXGHQW .DLWO\Q .HIIHU RUJDQL]HG WKH ODUJH GRQDWHG FROOHFWLRQ
:H DSSUHFLDWH FROOHFWRUV ZKR VKDUHG GDWD HVSHFLDOO\ WKH GRQR
RI WKH 86) -& FROOHFWLRQ \$OVR PDQ\ WKDQNVà @Àb E0Pa C-RT7pfWR0` `p Q

(WKULGJH 5REELH
 ,QWURGXFWRQ 0DSSLQJ WKH 0LVVLVVLSSLDQ 6KDWWHU
 =RQHMapping the Mississippi an Shatter Zone
 HGLWHG E\ 5 (WKULGJH DQG 6 6KXFN +DOO SS
 8QLYHUVLW\ RI 1HEUDVND 3UHVV /LQFROQ

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 7KH 8QGHUZDWHU \$UFKDRORJ\ RI 3DOHRODQGVFDSHV
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 \$SDODFKLFROD (VWXDULQH :HWODQGV)UDQNOLQ &RXQW\
)ORULGD
 Dori da Anthropologist

E /DWH \$UFKDLF LQ WKH \$SDODFKLFROD /RZHU
 &KDWWDKRRFKHH 9DOOH\ RI 1RUWKZHVW)ORULGD
 6RXWKZHVW *HRUJLD The River and HDVW \$ODEDPD
 Anthropologist

Pierce Mounds Complex, Ancient Capital in
 Northwest Florida. 5HSRUW WR *HRUJH 0DKU DQG WR
 WKH 'LYLVLRQ RI +LVWRULFDO 5HVRXUFHV 7DOODKDVVHH
 'HSDUWPHQW RI \$QWKURSRORJ\ 8QLYHUVLW\ RI 6RXWK
)ORULGD 7DPSD

:RRGODQG DQG 0LVVLVVLSSLDQ LQ 1RUWKZHVW)ORULGD
 ± 3DUW RI WKH 6RXWK Florida 'LIIHUHQW ,Q
 of Pre-Columbian Florida HGLWHG E\ 1 :DOOLV DQG
 \$ 5DQGDQO SS 8QLYHUVLW\ 3UHVV RI)ORULGD
 *DLQHVVLOOH

2016 Paleo-Indian in the palachicola-Lower
 Chattahoochee Valley Region DSHU SUHVHQWHG DW WKH
 DQQXDO PHHWLQJ RI WKH 6RXWKHDVWHUQ \$UFKDHRORJLFDO
 &RQIHUHQFH \$WKHQV *\$

:KLWH 1DQF\ 0DULH -HIIUH\ 3 'X 9HUQD\ DQG \$PEHU -
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)RUW :DOWRQ &XOWXUH LQ WKH \$SDODFKLFROD 9DOOH\
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 HGLWHG E\ . \$VKOH\ DQG 1 :KLWH SS
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 WKH 5HJLRQDO +LVWRULF 3UHVVHUYDWLRQ 2IUFH 6RXWKHDVW
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 6RXWK &DUROLQD

:KLWH 1DQF\ 0DULH DQG \$XGUH\ 7UDXQHU
 Archaeological Survey in the Chipola River Valley,
 Northwest Florida 5HSRUW WR WKH 'LYLVLRQ RI
 +LVWRULFDO 5HVRXUFHV 7DOODKDVVHH 'HSDUWPHQW RI
 \$QWKURSRORJ\ 8QLYHUVLW\ RI 6RXWK)ORULGD 7DPSD

:LOOH\ *RUGRQ 5
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