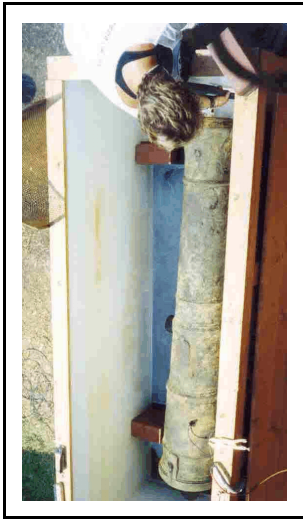


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (Franklin 2005)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
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8SJ3478-01
 Cast Iron Cannon
 00A.022.000001.0001



LOA: 7.06 feet (215.26CM) long
 1962 LB (889.948kg)

The cannons at the Industry site were all close to 215 cm, or seven feet in length overall. Basic dimension's of the gun are listed on the Florida BAR Cannon Data Sheet (Franklin et al 1999:18). All measurements on the original form were made in feet and inches to reflect British manufacture. These measurements are: A. Cascabel to breech reinforce: 8 ½"; B. Cascabel to trunnion:3' 4 ½"; C. Reinforce to touchhole: 3 1/4"; D. Breech reinforce to each (of three) other reinforce bands (center to center): 1'8 1/4", 3'5", 5' 5 3/4". The reinforce bands were 1 ½", 1" and 5/8" thick, respectively. Overall length, E, was recorded as 7'1";


Recovery Date:
 6/25/98; one of eight cannons at site of similar size, concreted to base were 14 shovel blades (No.29&30) barstock(No.02) files(No.03) & six-pound shot(No.31)

Completed electrolytic reduction in tank on the grounds of St. Augustine Lighthouse & Museum. Markings include British Broad Arrow, George II Crest (1727-1760), Trunnion: A (Ashburnham Foundry), Weight:17-2-2 (in hundredweights) & the number 10.


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
8SJ3478-01 Cast Iron Cannon 00A.022.000001.0001 continued	<i>F. Trunnion to muzzle length: 3'7 3/4", G. Muzzle diameter: 8 3/8"; and H. Bore diameter: 3 1/2". completed. Diameters were recorded as 9 1/2" behind the muzzle flare, 1'2" in front of the breech reinforce, 1' even on the tube at the location of the trunnions. The cascabel diameter was 5 1/4". A small chunk missing from the lower edge of the cascabel was the only damage noticed after the gun was cleaned. The vertical position of the trunnion on the gun tube was 7 3/4" trunnion to dorsal (top), and 3 3/4" trunnion to ventral (bottom). The dimensions of both trunnions were identical: 4" in diameter at the tube, 3 1/2" in diameter at the ends, and 4 " in length.</i>		


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (Franklin 2005)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-02 Iron Bar- stock Fragment (Drawn Only)</p> 	<p>LOA: 91.9cm (36.2 inches), Width:5.08cm(2.0 inches), thickness:1.27cm (0.5 inches)</p>	<p>Recovered in field 06/02/98. Drawn & recorded in lab.</p>	<p>Recorded, photographed and drawn only.</p>


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-03-01-10 Bundle of ten iron files wrapped in fiber 02A.039.000003.0001-0010</p> 	<p>Original triangular file length (recorded before conservation & subsequent deterioration): loa:24cm (9.8 inches), 1.8cm (0.75 or 3/4 inches) wide on each side, tail: 2.54cm (1 inch) long and 0.4cm (0.16 inches) wide. Final triangular file lengths were: 24.5cm (9.6 inches), two at 21.5cm (8.5 inches), 20cm (7.9 inches), 18.5 cm (7.3 inches), and four at 16cm (6.3 inches), File blank was preserved 14.3cm (5.63 inches) in length (original length estimated: 24cm (9.8 inches), rectangular in cross-section: 1.9cm by .63cm (3/4 inches by 1/4 inch).</p>	<p>Recovered 06/02/98. Concreted to cannon 8SJ3478-01 some 40 cm forward of trunnions (beneath chase).</p>	<p>Underwent ER & mechanical cleaning in lab in Pensacola during 1998. In 1999 concretion was transported to Texas A&M: Conservation Research Laboratory (CRL). Standard Electrolytic Reduction. Electrolyte Solution 2%NaOH. Begin 7/00. Low current density 7/17/00 - 08/25/00. Mechanically cleaned, then continued through 09/05/00 (2 amp/2Volt. Medium current density 09/05-09/11/00 (10 amp/3volt). One week boiling rinse 09/11/00-09/18-00. Two coats of tannic acid. Coated in microcrystalline was 09/19/00-09/22/00. Results:Good.</p>


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (Franklin 2005)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-04 millstone 00A.022.000004.0001</p> 	<p>Outer diameter:49.8cm (20 inches). Thickness: 7.7cm (3 inches). Central square hole 6.0cm (2.5 inches) on each side. Weight:38 kg (84 lb.).</p>	<p>Photographed and recorded in 1997, Midway, western edge of the line of six-pound cannons. Recovered on 07/25/98.</p>	<p>Mechanical cleaning & fresh water rinses in Pensacola in 1998. Returned to Lighthouse & Museum and placed in touch tank of fresh water for exhibit.</p>

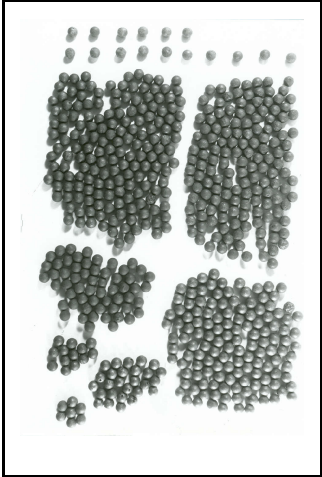
SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-05 Marble Apothecary Tray 02A.039.000005.0001</p> 	<p>Tray is 12.0cm (4.75 inches) square and 3.1cm (1.25 inches) thick, with a beveled edge carved around it's upper face that is 0.1cm (0.04 inches) wide. Four outer circles are each: 3.0cm (1.18 inches) wide and 0.8cm (0.3 inches) deep. Central circle: 5cm (2.0 inches) in diameter, 1.6cm or (0.6inches) deep. The object remained unidentified as it underwent public fresh water rinses for conservation in a "touch tank" on the grounds of the Lighthouse museum. As analysis continued, the object has been identified as a marble apothecary tray, used for mixing herbs and powders.</p>	<p>Recovered 07/25/98. Associated with pb plummet (No.06) and 0.69 caliber pb shot. Identified as "apothecary tray", similar to one recovered from excavation of <i>Pandora</i> (lost in 1791) in Australia. Like the object from the <i>Industry</i>, the tray from the <i>Pandora</i> (MA-6351-0) is a marble slab, though it bears nine impressions of differing sizes, some round some ovoid (Queensland Museum 2003).</p>	<p>Cleaned and conserved on the ground of the St. Augustine Lighthouse & Museum. Fresh water rinses, cleaned with 15% hydrogen peroxide to remove surface staining. Continuous fresh water rinses in touch tank begun on 01/27/99.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (Franklin 2005)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-06 Lead Fishing Weight or Plummet 02A.039.000006.0001</p> 	<p>Overall length: 8.7cm (3.4 inches), width at bottom 1.0cm (0.4 inches) x 0.8cm (0.3 inches), at middle: 1.8cm (0.7 inches) x 1.2cm (0.47 inches), at top: 0.8cm (0.3 inches) x 0.2cm (0.08 inches). Hole in top is 0.2cm (0.98 inches) in diameter</p>	<p>Recovered in 1998, initial test trench. Nearby associated objects include marble tray (No.05) and 0.69 caliber lead shot (No.07).</p>	<p>Texas A&M/CRL: All lead objects were treated by immersion in a 10% hydrochloric acid (HCL) solution to remove marine encrustation and lead carbonates (Caley 1955 in Hamilton 1998:File 14). After rinsing to remove chemical residue, and boiling in de-ionized water, lead objects were coated and sealed in microcrystalline wax.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (Franklin 2005)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-07 Lead 0.69 caliber musket shot Quantity:1 02A.039.000007.0001</p> 	<p>0.69 inches d (1.75cm)</p>	<p>Recovered:07/26/98, western end of Test Trench (TT-1). Associations: other lead shot, lead fishing weight No.06 and marble tray No.05</p>	<p>In field: all lead shot were mechanically cleaned, had chlorides removed through successive de-ionized water baths, and were dried using water/acetone baths. Texas A&M: CRL All lead objects were treated by immersion in a 10% hydrochloric acid (HCL) solution to remove marine encrustation and lead carbonates (Caley 1955 in Hamilton 1998:File 14). After rinsing to remove chemical residue, and boiling in de-ionized water, lead objects were coated and sealed in microcrystalline wax.</p>

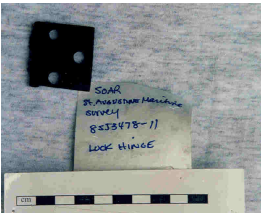
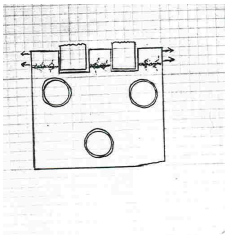
SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (Franklin 2005)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
8SJ3478-08 Lead 0.69 caliber musket shot Quantity:1 02A.039.000008.0001 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Recovered: 07/26/98 western end of Test Trench (TT-1). Associations: other lead shot, lead fishing weight No.06 and marble tray No.05	see 8SJ3478-07 for treatment
8SJ3478-09 Lead 0.69 caliber musket shot Quantity:1 02A.039.000009.0001 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Recovered: 07/26/98 western end of Test Trench (TT-1). Associations: other lead shot, lead fishing weight No.06 and marble tray No.05	see 8SJ3478-07 for treatment

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
8SJ3478-10 Lead 0.69 caliber musket shot Quantity:1 02A.039.000010.0001 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Recovered: 07/26/98 western end of Test Trench (TT-1). Associations: other lead shot, lead fishing weight No.06 and marble tray No.05	see 8SJ3478-07 for treatment

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-11 Brass Hinge 00A.022.000011.0001</p> 	<p>Two piece hinge: main piece: 3.3cm (1.3 inches) x 3.6cm (1.4 inches), 0.1cm (0.04 inches) thick in flat, scroll: 0.6cm (0.24 inches) round in diameter. Three holes 0.7cm (0.27 inches)d. Second part of hinge broken, only the two flat tab spaces remain (1.2cm (0.47 inches) x 0.7cm (0.27 inches)</p> 	<p>Recovered 07/98. Associated objects are marble tray (No.05), lead weight (No.06) and lead 0.69 caliber shot (No.07-28)</p>	<p>Electrolytic reduction in St. Augustine, low current, Electrolyte NaOH, 6 weeks. Cleaned, Rinsed, coated with Acryloid B-72.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
8SJ3478-12 Lead 0.69 caliber musket shot Quantity:1 02A.039.000012.0001 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Recovered: 07/26/98 western end of Test Trench (TT-1). Associations: other lead shot, lead fishing weight No.06 and marble tray No.05	see 8SJ3478-07 for treatment
8SJ3478-13 Lead 0.69 caliber musket shot Quantity:1 02A.039.000013.0001 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Recovered: 07/26/98 western end of Test Trench (TT-1). Associations: other lead shot, lead fishing weight No.06 and marble tray No.05	see 8SJ3478-07 for treatment

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
8SJ3478-14 Lead 0.69 caliber musket shot Quantity:1 02A.039.000014.0001 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Recovered: 07/26/98 western end of Test Trench (TT-1). Associations: other lead shot, lead fishing weight No.06 and marble tray No.05	see 8SJ3478-07 for treatment
8SJ3478-15 Lead 0.69 caliber musket shot Quantity:1 02A.039.000015.0001 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Recovered: 07/26/98 western end of Test Trench (TT-1). Associations: other lead shot, lead fishing weight No.06 and marble tray No.05	see 8SJ3478-07 for treatment

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
8SJ3478-16 Lead 0.69 caliber musket shot Quantity:1 02A.039.000016.0001 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Recovered: 07/26/98 western end of Test Trench (TT-1). Associations: other lead shot, lead fishing weight No.06 and marble tray No.05	see 8SJ3478-07 for treatment
8SJ3478-17 Lead 0.69 caliber musket shot Quantity:1 02A.039.000017.0001 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Recovered: 07/26/98 western end of Test Trench (TT-1). Associations: other lead shot, lead fishing weight No.06 and marble tray No.05	see 8SJ3478-07 for treatment

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
8SJ3478-18 Lead 0.69 caliber musket shot Quantity:1 02A.039.000018.0001 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Recovered: 07/26/98 western end of Test Trench (TT-1). Associations: other lead shot, lead fishing weight No.06 and marble tray No.05	see 8SJ3478-07 for treatment
8SJ3478-19 Lead 0.69 caliber musket shot Quantity:1 02A.039.0000.0001 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Recovered: 07/26/98 western end of Test Trench (TT-1). Associations: other lead shot, lead fishing weight No.06 and marble tray No.05	see 8SJ3478-07 for treatment


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
8SJ3478-20 Lead 0.69 caliber musket shot Quantity:1 02A.039.000020.0001 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Recovered: 07/26/98 western end of Test Trench (TT-1). Associations: other lead shot, lead fishing weight No.06 and marble tray No.05	see 8SJ3478-07 for treatment
8SJ3478-21 Lead 0.69 caliber musket shot Quantity:1 02A.039.000021.0001 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Recovered: 07/26/98 western end of Test Trench (TT-1). Associations: other lead shot, lead fishing weight No.06 and marble tray No.05	see 8SJ3478-07 for treatment

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
8SJ3478-22 Lead 0.69 caliber musket shot Quantity:1 02A.039.000022.0001 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Recovered: 07/26/98 western end of Test Trench (TT-1). Associations: other lead shot, lead fishing weight No.06 and marble tray No.05	see 8SJ3478-07 for treatment
8SJ3478-23 Lead 0.69 caliber musket shot Quantity:1 02A.039.000023.0001 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Recovered: 07/26/98 western end of Test Trench (TT-1). Associations: other lead shot, lead fishing weight No.06 and marble tray No.05	see 8SJ3478-07 for treatment

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-24 6-lb Cast Iron Cannon Ball 02A.039.000024.0001</p>  <p><i>photo: Amy Borgens Cramer</i></p> <p>L-R, 1st row: No.24, No.25, No.26, No.27 L-R, 2nd row: No.31, No.43, No.44, No.45</p>	<p>8.9 cm (3.5 inches) d, weight:2.27 kg (5lb), sprue: before concretion 2.5cm (0.98 inch) d, final-no longer visible</p>	<p>Recovery date: 7/28/98 Concreted to cannon (No.01) in concretion (8SJ3478-30) with 3 other balls</p>	<p>Texas A&M, CRL: Electrolytic Reduction (ER) solution: 2%NaOH; Initial ER setup with cauldron No.38. Low current (2Amp/2V) ER begun 10/26/00. New tank 04/30/01-low current (2Amp/5V) resumed. (chloride 28ppm on 5/07/01 and 05/14/01. Removed from ER 05/14/01 & placed in boiling rinse. Removed from rinse & coated with tannic acid 05/21/01. Placed in micro-crystalline wax 05/24/01.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
8SJ3478-25 6-lb Cast Iron Cannon Ball 02A.039.000025.0001 See No.24 for image	8.8cm x 8.9cm (3.5 inches) d, weight:2.27 kg (5lb) sprue: 0.98 inch (2.5cm) d	Recovery date: 7/28/98 Concreted to cannon (No.01) in concretion (8SJ3478-30) with 3 other balls	Texas A&M, CRL: Electrolytic Reduction (ER) solution: 2%NaOH; Initial ER setup with cauldron No.38. Low current (2Amp/2V) ER begun 10/26/00. New tank 04/30/01-low current (2Amp/5V) resumed. (chloride 28ppm on 5/07/01 and 05/14/01. Removed from ER 05/14/01 & placed in boiling rinse. Removed from rinse & coated with tannic acid 05/21/01. Placed in micro-crystalline wax 05/24/01.


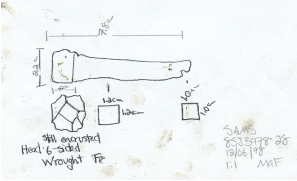
SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
8SJ3478-26 6-lb Cast Iron Cannon Ball 02A.039.000026.0001 See No.24 for image	8.97cm (3.5 inches) d, weight:2.72 kg (6 lb), sprue:2.5 cm (1 inch) d	Recovery date: 7/28/98 Concreted to cannon (No.01) in concretion (8SJ3478-30) with 3 other balls	Texas A&M, CRL: Electrolytic Reduction (ER) solution: 2%NaOH; Initial ER setup with cauldron No.38. Low current (2Amp/2V) ER begun 10/26/00. New tank 04/30/01-low current (2Amp/5V) resumed. (chloride 28ppm on 5/07/01 and 05/14/01. Removed from ER 05/14/01 & placed in boiling rinse. Removed from rinse & coated with tannic acid 05/21/01. Placed in micro-crystalline wax 05/24/01.

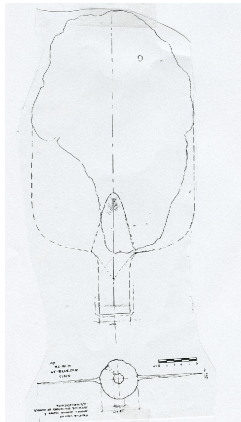
SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (Franklin 2005)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-27 6-lb Cast Iron Cannon Ball 02A.039.000027.0001</p> <p>See No.24 for image</p>	<p>9.0 x 9.8cm (3.5-3.8 inches), weight 2.72 kg (:6lb)</p>	<p>Recovery date: 7/28/98 Concreted to cannon (No.01) in concretion (8SJ3478-30) with 3 other balls</p>	<p>Texas A&M, CRL: Electrolytic Reduction (ER) solution: 2%NaOH; Initial ER setup with cauldron No.38. Low current (2Amp/2V) ER begun 10/26/00. New tank 04/30/01-low current (2Amp/5V) resumed. (chloride 28ppm on 5/07/01 and 05/14/01. Removed from ER 05/14/01 & placed in boiling rinse. Removed from rinse & coated with tannic acid 05/21/01. Placed in micro-crystalline wax 05/24/01.</p>


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (Franklin 2005)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-28 wrought iron square-shanked fastener, rose head 02A.039.000028.0001</p>  	<p>Loa: 7.8cm(3.07 inches);head width: 1.8cm(0.7 inches) x 2.2cm (0.86 inches);shank 1.2cm(0.47inches) tapering to 1.0cm (0.39 inches), broken at shaft before deposition. Weight: 39g (1.37 ounces)</p>	<p>Recovery Date: 06/02/98 Concreted to cannon (No.01), along with shovel blades (No.29 & 30), 6lb shot (No.23- No.27), & iron files (No.03)</p>	<p>Texas A&M:CRL. Standard Electrolytic Reduction. Electrolyte Solution 2%NaOH. Begin 7/00. Low current density 7/17/00 - 08/25/00. Mechanically cleaned, then continued through 09/05/0000 (2 amp/2Volt. Medium current density 09/05-09/11 (10 amp/3volt). One week boiling rinse 09/11/00-09/18- 00. Two coats of tannic acid. Coated in microcrystalline was 09/19/00- 09/22/00. Results:Good.</p>


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-29-01 iron shovel bade (in 2 pieces) 02A.039.000029.0001</p> 	<p>Socket for handle (missing) would have held 4cm d (1.57 inches), outer d:5.0 cm (1.96 inches); socket where not attached to blade length: 8cm (3.15 inches); where welded to blade (8 cm (3.15 inches) in length, tapering from flat 6cm (2.36 inches) in width to 0.8cm (0.31 inches) at point. Blade length:25 cm (9.84 inches), width: 22cm (8.66 inches), original thickness: 1cm(0.39 inches). Blade looks like it would have been rounded at shoulders and tip.</p>	<p>Recovery Date: 06/02/98 Concreted to cannon (No.01), along with shovel blades (No.29 & 30), 6lb shot (No.23-No.27), & iron files (No.03)</p>	<p>Texas A&M:CRL. Standard Electrolytic Reduction. Electrolyte Solution 2%NaOH. Begin 7/00. Low current density 7/17/00 - 08/25/00. Mechanically cleaned, then continued through 09/05/0000 (2 amp/2Volt. Medium current density 09/05-09/11 (10 amp/3volt). One week boiling rinse 09/11/00-09/18-00. Two coats of tannic acid. Coated in microcrystalline was 09/19/00-09/22/00. Results:Good.</p>


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-29-02 iron shovel blade 02A.039.000029.0002</p> 	<p>Blade & socket. Preserved Loa, including protruding socket: 25.5cm (10 inches). Socket measures 7cm (2.75 inches) in length, with outer diameter 5cm (1.97 inches). Preserved width of blade is 23.0cm max (9 inches), close to original width.</p>	<p>Recovery Date: 06/02/98 Concreted to cannon (No.01), along with shovel blades (No.29 & 30), 6lb shot (No.23-No.27), & iron files (No.03)</p>	<p>Texas A&M:CRL. Standard Electrolytic Reduction. Electrolyte Solution 2%NaOH. Begin 7/00. Low current density 7/17/00 - 08/25/00. Mechanically cleaned, then continued through 09/05/0000 (2 amp/2Volt. Medium current density 09/05-09/11 (10 amp/3volt). One week boiling rinse 09/11/00-09/18-00. Two coats of tannic acid. Coated in microcrystalline was 09/19/00-09/22/00. Results:Good.</p>


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-29-03 iron shovel blade drawn only</p> 	<p>21.8cm (8.6 inches) preserved length x 25.5cm (10 inches) preserved width of blade portion only. Small dimple where socket would begin is visible. Same type as others in No.29 & No.30 shovels. Thickness of blade 0.2-0.3cm (0.08-0.11 inches)</p>	<p>Recovery Date: 06/02/98 Concreted to cannon (No.01), along with shovel blades (No.29 & 30), 6lb shot (No.23- No.27), & iron files (No.03)</p>	<p>Recorded only-magnetite.</p>


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-29-04 iron shovel blade drawn only</p> <p>shown below, left to right: 29-04,03 & 02</p> 	<p>Blade portion only (visible on bottom of pile at left). 25.3cm (9.96 inches) x 19.8 cm (7.8 inches). Thickness 3.5-4.0cm (1.4-1.6 inches). Small dimple where socket would begin is visible. Same type as others in No.29 & No.30 shovels.</p>	<p>Recovery Date: 06/02/98 Concreted to cannon (No.01), along with shovel blades (No.29 & 30), 6lb shot (No.23-No.27), & iron files (No.03)</p>	<p>Drawn & Discarded. Magnetite-no mold possible.</p>


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-30-01 iron shovel blade 02A.039.000030.0001</p> 	<p>Shovel blade w/ portion of socket attached. Blade preserved length: 20 cm (7.87 inches) x 27cm (10.63 inches). Thickness ranges between 1.0-1.5cm (0.4-0.6 inches). Socket extend 5.0cm (3.15 inches), and outer diameter is 5.0cm(3.15 inches).</p>	<p>Recovered in field 06/02/98, concretion associated with cannon 8SJ3478-01. Fastened near cascabel of gun <i>in situ</i>. Associations: other shovel blades (No.29) & bundle of files (No.03). Excavated in lab: 05/09/00.</p>	<p>Texas A&M:CRL. Standard Electrolytic Reduction. Electrolyte Solution 2%NaOH. Begin 7/00. Low current density 7/17/00 - 08/25/00. Mechanically cleaned, then continued through 09/05/0000 (2 amp/2Volt. Medium current density 09/05-09/11 (10 amp/3volt). One week boiling rinse 09/11/00-09/18-00. Two coats of tannic acid. Coated in microcrystalline was 09/19/00-09/22/00. Results:Good.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-30-02 iron shovel blade 02A.039.000030.0002</p> 	<p>Complete shovel blade w/ portion of socket attached. Blade length:30 cm (11.8 inches) x 27.5cm (10.83 inches) width. Thickness ranges between 1.0-1.5cm (0.4-0.6 inches). Socket extend 5.0cm (3.15 inches), and outer diameter is 5.0cm(3.15 inches). Concave portion of blade from which handle is fashioned is 12cm long(4.7 inches), and tapers from 7.0cm to 1.5cm (2.75 inches to 0.6 inches).</p>	<p>Recovered in field 06/02/98, concretion associated with cannon 8SJ3478-01. Fastened near cascabel of gun <i>in situ</i>. Associations: other shovel blades (No.29) & bundle of files (No.03). Excavated in lab: 05/12/00.</p>	<p>Texas A&M:CRL. Standard Electrolytic Reduction. Electrolyte Solution 2%NaOH. Begin 7/00. Low current density 7/17/00 - 08/25/00. Mechanically cleaned, then continued through 09/05/0000 (2 amp/2Volt. Medium current density 09/05-09/11 (10 amp/3volt). One week boiling rinse 09/11/00-09/18-00. Two coats of tannic acid. Coated in microcrystalline was 09/19/00-09/22/00. Results:Good.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)


SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-30-03 iron shovel blade 02A.039.000030.0003</p> 	<p>Partial blade only. Curved with one side of socket form still attached to blade. Preserved remains measure: 25.5cm (10.04 inches) x 21.5cm (8.46 inches). Thickness: ranges between 1.0-1.5cm (0.4-0.6 inches).</p>	<p>Recovered in field 06/02/98, concretion associated with cannon 8SJ3478-01. Fastened near cascabel of gun <i>in situ</i>. Associations: other shovel blades (No.29) & bundle of files (No.03). Excavated in lab: 05/12/00.</p>	<p>Texas A&M:CRL. Standard Electrolytic Reduction. Electrolyte Solution 2%NaOH. Begin 7/00. Low current density 7/17/00 - 08/25/00. Mechanically cleaned, then continued through 09/05/0000 (2 amp/2Volt. Medium current density 09/05-09/11 (10 amp/3volt). One week boiling rinse 09/11/00-09/18-00. Two coats of tannic acid. Coated in microcrystalline was 09/19/00-09/22/00. Results:Good.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

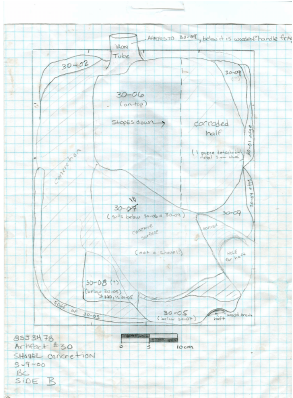
SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
8SJ3478-30-04 iron shovel blade 02A.039.000030.0004	Blade and socket of shovel. Outer edges of blade deteriorated. Preserved remains measure: 26.5cm(10.43cm) long X 21.5cm(8.46 inches) wide. Thickness: ranges between 1.0-1.5cm (0.4-0.6 inches). Socket measures: 4cm(1.57 inches) long off of blade, with reconstructed outer diameter of 5.0cm (1.97 inches).	Recovered in field 06/02/98, concretion associated with cannon 8SJ3478-01. Fastened near cascabel of gun <i>in situ</i> . Associations: other shovel blades (No.29) & bundle of files (No.03). Excavated in lab: 05/12/00.	Texas A&M-CRL. Standard Electrolytic Reduction. Electrolyte: 2%NaOH. Anode: mild steel. Begin 05/16/00. Medium current density 10 amp.3Volt 05/16/00-06/13/00. Switched to high density current (15amp/5Volt) 06/20/00-07/11/01 (in with cauldron No.38 until this point). Mechanically cleaned and switched to new vat:08/06/01 (15amp/5 volt) until 08/27/01. Placed in boiling rinse for two days. Two coats of tannic acid. Five days of boiling microcrystalline wax immersion. Completed treatment 09/04/01. Results: Good.



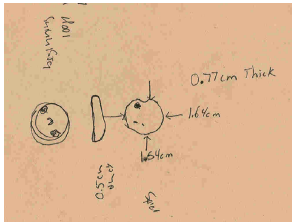
SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-30-05 iron shovel blade 02A.039.000030.0005</p> 	<p>Blade with partial socket protruding. Preserved remains (after treatment measure 25.0cm(9.84 inches) long x 21.0cm (8.27 inches) wide, overall. Original socket design shows typical "V" shaped dimple on blade with protruding section measure 4.0 cm(1.57 inches) long and 5.0cm (1.97 inches) outer diameter. Thickness: ranges between 1.0-1.5cm (0.4-0.6 inches).</p>	<p>Recovered in field 06/02/98, concretion associated with cannon 8SJ3478-01. Fastened near cascabel of gun <i>in situ</i>. Associations: other shovel blades (No.29) & bundle of files (No.03). Excavated in lab: 05/12/00.</p>	<p>Texas A&M-CRL. Standard Electrolytic Reduction. Electrolyte: 2%NaOH. Anode: mild steel. Begin 05/16/00. Medium current density 10 amp.3Volt 05/16/00-06/13/00. Switched to high density current (15amp/5Volt) 06/20/00-07/11/01 (in with cauldron No.38 until this point). Mechanically cleaned and switched to new vat:08/06/01 (15amp/5 volt) until 08/27/01. Placed in boiling rinse for two days. Two coats of tannic acid. Five days of boiling microcrystalline wax immersion. Completed treatment 09/04/01. Results: Good.</p>

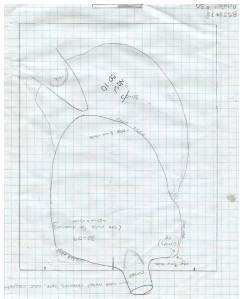
SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (Franklin 2005)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-30-06 iron shovel blade 02A.039.000030.0006</p> 	<p>Blade only with partial socket. Preserved remains measure 27.0 cm (10.63 inches) x 21.0cm (8.27 inches). Original blade thickness on top/left side deteriorated, did measure 2.0cm (0.78 inches) thick pre-treatment.</p>	<p>Recovered in field 06/02/98, concretion associated with cannon 8SJ3478-01. Fastened near cascabel of gun <i>in situ</i>. Associations: other shovel blades (No.29) & bundle of files (No.03). Excavated in lab: 05/12/00.</p>	<p>Texas A&M-CRL. Standard Electrolytic Reduction. Electrolyte: 2% NaOH. Anode: mild steel. Begin 05/16/00. Medium current density 10 amp.3Volt 05/16/00-06/13/00. Switched to high density current (15amp/5Volt) 06/20/00-07/11/01 (in with cauldron No.38 until this point). Mechanically cleaned and switched to new vat:08/06/01 (15amp/5 volt) until 08/27/01. Placed in boiling rinse for two days. Two coats of tannic acid. Five days of boiling microcrystalline wax immersion. Completed treatment 09/04/01. Results: Good.</p>

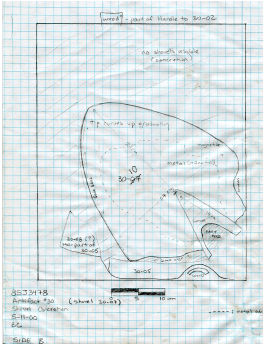
SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-30-07 pewter button 02A.039.000030.0007</p> 	<p>Button: Slightly crushed. Outer Diameter: 1.64cm (0.64 inch) x 1.54 cm (0.60 inch). Surface plain, but pitted. Thickness 0.77cm (0.3 inch). Backside has impression where loop was (0.2cm wide semi-circle), no loop remaining. Two holes for gas expansion 0.2cm (0.08 inch) in diameter.</p>	<p>Recovered from concretion No.30, recovered in field attached to cast-iron cannon No.01 on 06/98. Button was between two shovel blades and was discovered as blades underwent final electrolysis in 08/01.</p>	<p>Begin Electrolysis 08/20/01. Electrolyte: 2% NaOH, anode: mild steel. Low current 1Amp/volt through 10/01. Increased to 1amp/4Volt until 04/12/01. Placed in boiling rinse through 04/15/01. Cleaned with baking soda & a fiberglass brush. Coated with Acryloid B-72. Results:Good.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-30-09 iron shovel blade drawn only</p> 	<p>Very good example of original blade shape. Blade with rounded point measured 30cm (11.81 inches) original maximum length by 23cm (9 inches) wide at shoulders (slightly rounded and curving up towards socket). Socket extends from blade for 5cm (1.97 inches), and outer diameter is 5.0cm (1.97 inches). Thickness of good metal edge on right/top side ranges between 0.6-0.9cm (0.24-0.35 inches).</p>	<p>Recovered in field 06/02/98, concretion associated with cannon 8SJ3478-01. Fastened near cascabel of gun <i>in situ</i>. Associations: other shovel blades (No.29) & bundle of files (No.03). Excavated in lab: 05/12/00.</p>	<p>Texas A&M:CRL. Recorded only in laboratory. Latex mold made of blade.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-30-10 iron shovel blade originally numbered -07 in lab, number used twice so No.10 was assigned</p> <p>drawn only</p> 	<p>Curved blade shape, turns up at tip, shoulders appear slightly squashed. Blade with rounded point measured 30cm (11.81 inches) original maximum length by 27cm (10.63 inches) wide at shoulders (slightly rounded and curving up towards socket). Hole where socket should begin to protrude from blade. Entire socket remains (dimple on blade and portion of outer edge):14cm (5.51 inches). Blade thickness of good metal remains 0.2cm(0.08 inches).</p>	<p>Recovered in field 06/02/98, concretion associated with cannon 8SJ3478-01. Fastened near cascabel of gun <i>in situ</i>. Associations: other shovel blades (No.29) & bundle of files (No.03). Excavated in lab: 05/12/00.</p>	<p>Recorded only in laboratory. Excellent example of complete shape. Latex mold made of blade.</p>


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
8SJ3478-31 6-lb Cast Iron Cannon Ball 02A.039.000031.0001 See No.24 for image	9.0 cm (3.5 inches)d, weight:2.72 kg (6lb)	Recovery Date: Field 06/02/98, removed from concretion No.30 in lab on 1/23/00	Texas A&M, CRL: Electrolytic Reduction (ER) solution: 2%NaOH; Initial ER setup with cauldron No.38. Low current (2Amp/2V) ER begun 10/26/00. New tank 04/30/01-low current (2Amp/5V) resumed. (chloride 28ppm on 5/07/01 and 05/14/01. Removed from ER 05/14/01 & placed in boiling rinse. Removed from rinse & coated with tannic acid 05/21/01. Placed in micro-crystalline wax 05/24/01.
8SJ3478-32 Lead 0.69 caliber musket shot Quantity:1 02A.039.000032.0001 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Recovery:07/99 Unit 1, near NW anchor palm, with other lead shot scatter	see 8SJ3478-07 for treatment



SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
8SJ3478-33 Lead 0.69 caliber musket shot Quantity:1 02A.039.000033.0001 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Recovery:07/99Unit 1, near NW anchor palm, with other lead shot scatter	see 8SJ3478-07 for treatment
8SJ3478-34 Lead 0.69 caliber musket shot Quantity:1 02A.039.000034.0001 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Recovery:07/99 Unit 1, near NW anchor palm, with other lead shot scatter	see 8SJ3478-07 for treatment
8SJ3478-35 Lead 0.69 caliber musket shot Quantity:1 02A.039.000035.0001 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Recovery:07/99 Unit 1, near NW anchor palm, with other lead shot scatter	see 8SJ3478-07 for treatment


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-36 Lead Container 02A.039.000036.0001</p> 	<p>8.5cm(3.35 inches) x 8.5cm (3.35 inches) wide, 13.5cm (5.31 inches) tall, average thickness:0.6cm (0.24 inches), raised "ears" for handles: 2.0cm (0.79 inches)wide x 1.6cm(0.63 inches) tall, with hole in center: 0.4cm (0.16 inches)d.</p>	<p>Recovery date:07/99 Unit 1,southern trench beneath cannons, near cauldron (38). Datum A:2.7m,B:3.25m,C: 5.8m.</p>	<p>Texas A&M: CRL Treated by immersion in a 10% hydrochloric acid (HCL) solution to remove marine encrustation and lead carbonates (Caley 1955 in Hamilton 1998:File 14). After rinsing to remove chemical residue, and boiling in de-ionized water, lead objects were coated and sealed in microcrystalline wax. Completed treatment 4/00.</p> <p>Identified as container for gunpowder charge for small gun, like swivel (39). Similar containers recovered from Port Royal (1692), English warships <i>Eagle</i> (1707), <i>Schiedam</i> (1684), <i>Cerebus</i> (1783), <i>Somerset</i> (1778), <i>Stirling Castle</i> (1703), and <i>Association</i> (1707) (Larn 1984 in cite from DLH).</p>


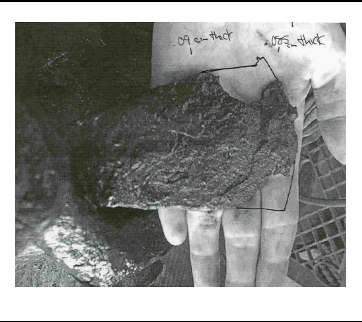
SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-37</p> <p>Coarse Earthenware Ceramic Body Sherd 02A.039.000037.0001</p> 	<p>Max length: 9.6cm (3.8 inches), max width: 6.4 cm (2.5 inches), max thick: 1.2 cm (0.47 inches). Paste is coarse, inside: gray, outside: orange</p> <p>Other Ceramics Recovered in 1997:</p> 	<p>Recovered 07/99. Datum D: 7.43m, Datum C: 4.86m, Depth Below Datum (DBD):0.84m .</p>	<p>Fresh water rinse through 05/00. Standard de-hydrate with progressive watered alcohol baths, coat with Acryloid B-72.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-38 Cast Iron Pot 02A.039.000038.0001-0006 (Whole Pot & 5 fragments)</p> 	<p>LOA: 39.0cm (15.35 inches), Max width:51 cm (20 inches), pot bowl:33.0cm (13 inches)high, 30 cm (11.8 inches) upper inner diameter, 1cm (0.4 inches) thick. The remaining legs each measure 6.0cm (2.4 inches) in maximum length, and taper from 3.0cm to 2.0cm (1.2 inches to 0.8 inches) wide. The “ears” for the handles are right-angled, 8.5cm (3.3 inches) tall, protruding 2.0cm(0.8) inches from the upper pot flange.</p>	<p>Recovered 07/99. From primary unit, near anchors, see Figure 7B. Associated is knife blade & handle No.64, concreted to the outside. Bone No.51 also recovered in this location.</p>	<p>Texas A&M: CRL Electrolytic Reduction (ER) solution: 2%NaOH; Low current (2Amp/2V) ER begun 10/26/00, medium current density (10amp/3V) 01/03.00 through 06/13/00; high density current (15amp/5V) begun 6/20/00; Periodic mechanical cleaning, as concretion removed lower portion of kettle bowl begins to fragment. Kettle supported and put back into ER. Tank switch-new card 7/03/00. High current density (15amp/5V) continues for minimum six weeks. Boiling rinse: 1 week. Immersion in microcrystalline wax:5 days. Results:good.</p>


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (Franklin 2005)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-39 Iron Swivel Gun 02A.039.000039.0001</p>  	<p>LOA: 85CM (33.4 inches) A measured drawing appears with the following distances described on the following page (metric only). (Cascabel 0 on baseline (BL)-all measurements run fwd on BL to muzzle; cascabel:6.1cm diameter(d); swivel grip (monkeytail) 3.0 cm on BL,5.0 cm long before break, 8.0cm d; 1st ring:1st section:9.0 cm on BL, 14.2 cm d tapers to 13.8 cm d, 1.8 cm wide; 2nd section: 13.0 cm d, 1.0 cm wide; 3rd section: 12.7 cm d, 1.0 cm wide; touchhole: 15.0cm on BL, 1.0cm d; 2nd ring: 17.0 cm on BL, 13.0 cm d, 0.5 cm wide; 3rd ring: 34.0 cm on BL, 12.4 cm d, 1.0 cm wide; 4th ring: 42.0 cm on BL, 11.7 cm d, 0.5 cm wide; trunnions centered on 4th ring; trunnions: 4.0 cm d, 4 cm long; swivel yoke mount: 40 cm Loa, yoke width: 22cm, ring around trunnion: 7cm d,</p>	<p>Recovery date: 8/11/1999, Discovered concreted beneath cannons 4&5 (counting north to south) after cannons 7&8 were stolen in 1999. Distance to ends from Datum B: 3.21-4.08M; Datum C:5.24- 5.98CM. Depth below datum:17.2- 47.58CM</p>	<p>Texas A&M: CRL Ends of object were mechanically cleaned, low current (2Amp/2V) ER begun 9/14/99 to assist in later removal of surface concretion. Surface concretion removed, object drawn and re-placed in ER 10/22/99 (solution2%NaOH). 12/22/99: ER :increased to medium density (10Amp/3V). 6/13/00: Begin high current ER (11Amp/8V). 7/24/00:removed from ER, placed in boiling rinse, coated with tannic acid. 9/21/00:re-placed in ER.10/24/00-mechanically cleaned bore. 1/31/01:removed from ER, boiling rinse, coated with tannic acid. Coated w/ with micro- crystalline wax 1/18/01-2/05-01.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (Franklin 2005)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
8SJ3478-40 Lead 0.69 caliber musket shot Quantity:1 02A.039.000040.0001 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Recovery: 07/27/99 Unit 1, near NW anchor palm, with other lead shot scatter	see 8SJ3478-07 for treatment
8SJ3478-41 Lead 0.69 caliber musket shot Quantity:168 02A.039.000041.0001-0168 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Recovery: 8/13/99 Near anchors & grindstone with other lead shot scatter, @ 1m DBD	see 8SJ3478-07 for treatment

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-42 Pewter Charger Rim & Base Fragment 02A.039.000042.0001</p> 	<p>Preserved remains: max width: 12.1cm (4.76 inches), max length: 17.0cm (6.7 inches), thickness: 0.3cm (0.12 inches). Rim width average: 2.7cm (1 inch). Original diameter estimated at: 37.0 to 38.0 cm (14.5-15.0 inches)</p>	<p>Recovered 08/13/99. Datum A: 3.0m, Datum B: 4.6m, DBD: 1.21m. Between anchor pile and crates of axes.</p>	<p>Texas A&M: CRL: Electrolytic Reduction, electrolyte: 2%NaOH, mild steel anode. Begin 04/28/00-4 amp/3Volt, current turned down to 2amp/2Volt 04/30/00. Removed on 05/01/00: boiling rinse for 2 days. 05/03/00 Removed from boil, cleaned with baking soda, coated with Acryloid-B72. Results: Fair: blistering area produced some wholes in ER.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
8SJ3478-43 6-lb Cast Iron Cannon Ball 02A.039.000043.0001 See No.24 for image	Final d: 8.8.cm (3.5 inches), sprue:2.9cm (1.14 inches) d, 0.6cm (0.24 inches) deep weight 2.72 kg (6 lb)	Recovery Date:8/13/98, Datum A:1.98m, Datum B:5.01M, DBD:0.84m	Texas A&M: CRL Electrolytic Reduction (ER) solution: 2%NaOH; Low current (2Amp/2V) ER begun 03/26/01;ER increased to medium density (5Amp/7V)05/07/01; Increased to high density:(10amp/5V)05/28/01. Mechanical cleaning: 10/08/01 & 10/23/01;removed from ER & placed in boiling rinse; 10/29/01: Removed from rinse & coated with tannic acid. 10/20/01;Coated w/ with micro- crystalline wax 11/02/01


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
8SJ3478-44 6-lb Cast Iron Cannon Ball 02A.039.000044.0001 See No.24 for image	Final:8.8cm (3.5 inches) d, sprue:2.0cm (0.79 inches)d, 0.2cm (0.79 inches) deep, weight: 2.72 kg (6 lb)	Recovery Date:8/13/98, Datum A:2.07m, Datum B:4.67m, DBD:1.03m	Texas A&M: CRL Electrolytic Reduction (ER) solution: 2%NaOH; Low current (2Amp/2V) ER begun 03/26/01;ER increased to medium density (5Amp/7V)05/07/01; Increased to high density:(10amp/5V)05/28/01. Mechanical cleaning: 10/08/01 & 10/23/01;removed from ER & placed in boiling rinse; 10/29/01: Removed from rinse & coated with tannic acid. 10/20/01;Coated w/ with micro- crystalline wax 11/02/01
8SJ3478-45 6-lb Cast Iron Cannon Ball 02A.039.000045.0001 See No.24 for image	8.97 cm (3.5 inches) d, weight:2.72 kg (6 lb)	Recovery Date:8/13/98, Datum A:3.03m, Datum B:4.42m, DBD:1.03m	Texas A&M: CRL Electrolytic Reduction (ER) solution: 2%NaOH; Low current (2Amp/2V) ER begun 5/15/01;ER increased to medium density (5Amp/3V) 6/18/01 7/09/01:removed from ER & placed in boiling rinse; 7/12/01: Removed from rinse & coated with tannic acid. Coated w/ with micro- crystalline wax 7/13/01-7/20/01.


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
8SJ3478-46 6-lb Cast Iron Cannon Ball 02A.039.000046.0001 See No.24 for image	9.0 cm (3.5 inches) d, sprue: 2.5 cm (0.98 inches) weight: 2.72 kg (6 lb)	Recovery Date: 8/11/98 Ball was loose under swivel gun No.39	Texas A&M: CRL Electrolytic Reduction (ER) solution: 2%NaOH; Low current (2Amp/2V) ER begun 5/15/01;ER increased to medium density (5Amp/3V) 6/18/01 7/09/01:removed from ER & placed in boiling rinse; 7/12/01: Removed from rinse &, coated with tannic acid. Coated w/ with micro- crystalline wax 7/13/01-7/20/01.


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-47 one-half copper tea kettle body with spout and handle attached 02A.039.000047.0001</p> 	<p>Overall Height (preserved):23.5cm (9.25 inches),body width (preserved):24.7cm(9.72 inches),spout: 12.5cm (4.9 inches) long, opening: 1.0cm (0.4 inches) x 1.3 cm (o.5 inches) widens to spout base: 3.5cm (1.4 inches)d; handle: 18cm (7 inches) Loa, 0.4cm (0.16 inches) thick, at widest point (where hand holds widens to 1.5cm (0.6 inches). There are three dots punches in the underside of the handle.</p>	<p>Recovered: 08/09/1999. Datum A: 2.17-2.5m, Datum B: 4.22-4.3m. DBD:88cm. Two other pieces of same pot (base & ring) No.52 recovered 0.9m away to the south (towards anchor cluster), Fourth piece, tea pot lid recovered by LAMP in 2000: No.82:11.38cm (4.48 inches)d, 2.47cm (0.97 inches) thick, adhered to saw blade concretion (Morris and Burns 2001:27)</p>	<p>Very Fragile, Body less sturdy than handle & spout. Recovered wet and stored in 1% BTA and fresh water. Rinsed, mechanically cleaned and rubbed with ethanol, stored in 5% sodium carbonate. Transported to Texas A&M:CRL. Begin standard ER 04/00- 8 weeks, electrolyte 2% sodium hydroxide. Complete, rinsed in boiling rinse, surface treated with BTA, sealed with Acryloid-B72.</p>


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-48 Dark Green Bottle Base Fragment 02A.039.000048.0001</p> 	<p>Glass fragment, very worn, color is probably dark green, but appears almost black. Max length: 7.0cm (2.5 inches), max width: 3.6cm (1.42 inches), thick ranges from 0.7cm (0.25 inches) in center, to 1.0cm (0.4 inches) at side.</p>	<p>Recovery:08/17/99. Datum A:1.4m, Datum B: 4.45m, DBD: 0.78m. Recovered immediately next to lead 0.69 caliber shot (No.49)</p>	<p>Fresh water rinses at Texas A&M/CRL through 05/00. Standard de-hydrate with series of watered isopropyl alcohol baths. Coated with Acryloid-B72.</p>
<p>8SJ3478-49 Lead 0.69 caliber musket shot Quantity:57 02A.039.000049.0001-0057 see 8SJ3478-07 for image</p>	<p>0.69 inches d (1.75cm)</p>	<p>Recovery: 8/17/99Datum A: 1.40 m, Datum B: 4.45m DBD:0.78m</p>	<p>see 8SJ3478-07 for treatment</p>


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (Franklin 2005)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-50 iron shovel blade (Recovered in 4 pieces)</p> <p>drawn & photographed only</p> 	<p>Concreted shovel blade with socket for handle. Blade rounded at tip, socket hollow. LOA :23.1cm(9.09 inches)Socket:.8.0cm (3.15 inches) overall length, with 5.0cm (3.15 inches) separate from blade, 5.0cm (1.96 inches) outer encrusted d. Blade not complete: length: 22cm (8.66 inches) x 20cm (7.87 inches) wide</p>	<p>Recovery:8/17/99 & 8/19/99. Datum A: 1.28m; Datum B:5.07m; DBD:0.89 m. Near pile of anchors.</p>	<p>Recorded and photographed only. Magnetite remains were unsuitable for casting (no true mold remaining).</p>


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-51 leg bone, <i>cf. galliformes</i> (chicken, pheasant or quail) 02A.039.000051.0001</p> 	<p>Bone fragment, found loose & separate. 6.7m (2.64 inches) long, 1.6cm (0.63 inches) x 0.5cm (0.2 inches) wide at top end, 1.4cm (0.55 inches) x 1.0cm(0.4 inches) wide at bottom end, 0.8cm (0.31 inches) x 0.7cm (0.27 inches) thick at center. Broken where marrow would be, hollow measures 0.6cm (0.24 inches) wide and 1.5cm (0.6 inches) deep.</p>	<p>Recovered 08/17/99. Bone was directly beneath cross in anchors, DBD: 0.6m down.</p>	<p>Standard fresh water rinse, dehydrate with successive baths of watered isopropyl alcohol. Coated with Acryloid B-72.</p>

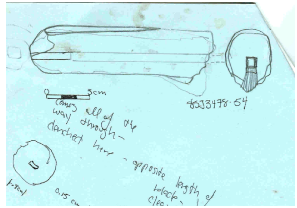
SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (Franklin 2005)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-52 Copper tea kettle base & ring 02A.039.000047.0002 02A.039.000052.0001</p> 	<p>Base: 15cm (5.9 inches) in diameter, not a perfect circle, edges are ragged. Bent ring is 11.0cm (4.3 inches) x 10.4cm (4.09 inches) round, folded and rolled, total thickness: 0.6cm (0.23 inches), inner portion 0.4cm (0.16 inches), outside portion 0.2cm(0.07 inches)</p>	<p>Recovered: 08/17/99. Datum A:2.0m, Datum C: 7.2m, DBD:0.93m. Teapot body recovered some 0.9 m to north. Fourth piece, tea pot lid recovered by LAMP in 2000: No.082:11.38cm (4.48 inches)d, 2.47cm (0.97 inches) thick, adhered to saw blade concretion (Morris and Burns 2001:27)</p>	<p>Recovered wet and stored in 1% BTA and fresh water. Rinsed, mechanically cleaned and rubbed with ethanol, stored in 5% sodium carbonate. Transported to Texas A&M:CRL. Begin standard ER 04/00- 8 weeks, electrolyte 2% sodium hydroxide. Complete, rinsed in boiling rinse, surface treated with BTA, sealed with Acryloid-B72.</p>


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-53, & 8SJ3478-53R Lathing gouge & cast replica 02A.039.000053.0001 02A.039.000053.0002</p> 	<p>LOA: 45.72cm (18 inches); Square shanked(with beveled edges) solid iron handle is 22.9cm (9 inches) long, as is gouge blade. Blade width is a half-circle in cross-section, 2.54cm (1 inch) wide and 0.25cm (0.09 or 1/16th of an inch) thick. The end of the handle, only recorded in concretion, seemed to have a rounded head on the shank.</p>	<p>Concretion recovered in field on 8/19/99. Datum A:2.85m, 3.20m, Datum C:5.95m,5.72m, DBD:0.91-1.11m. Associations: near swivel gun No.39. Cleaned in lab 05/12/00. Replica blade cast & original underwent ER at CRL.</p>	<p>Texas A&M:CRL. Standard Electrolytic Reduction. Electrolyte Solution 2%NaOH. Begin 7/00. Low current density 7/17/00 - 08/25/00. Mechanically cleaned, then continued through 09/05/0000 (2 amp/2Volt. Medium current density 09/05-09/11 (10 amp/3volt). One week boiling rinse 09/11/00-09/18-00. Two coats of tannic acid. Coated in microcrystalline was 09/19/00-09/22/00. Results:Good. Epoxy cast replica also made from latex mold.</p>

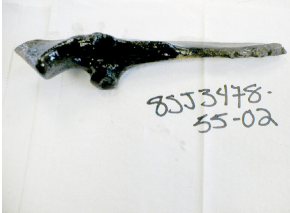
SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (Franklin 2005)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-54 Wooden tool handle 02A.039.000054.0001</p> 	<p>Handle measures 12.5cm (4.9 inches) long and is oval in cross-section, 3.4cm by 3.2 cm(1.4 x1.25 inches) in center, 2.8 cm (1.1 inches) round at distal end. Channel through blade measures 0.8cm x 0.15cm (0.6-0.06 inches) rectangular at bottom end where tang might have been clenched. At blade side of handle channel is 0.7cm (0.27 inches) square.</p>	<p>Recovery Date: 08/18/99. Concretion was loose beneath anchors, approximately 1.0 m DBD. Cleaned and recorded in lab 06/20/00. Second similar handle recovered by LAMP in 2000 (Morris and Burns 2001:24).</p>	<p>Texas A&M-CRL. X-ray of concretion 2/26/00 shows no metal remaining in concretion-only wooden handle. Cleaned and recorded. Wood underwent extended fresh water rinse and silicone treatment.</p>


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-55-01 wooden handle & cast iron shovel blade (square-unlike others in cargo) 02A.039.000055.0001 & 02A.039.000055.0008 (wedge)</p> 	<p>Preserved blade measurements: 19.2cm (7.56 inches) wide max at square shoulders. Preserved length:14.7 cm (5.79 inches) max. Wooden haft rounded tapering to flat point, length:20.7cm (8.15 inches). Round upper edge (shows break pre-concretion) measures 4.0cm (1.57 inches) in diameter, 4.4cm (1.73 inches) in width at flat end (inserted in blade). Tack holes in handle are No.1-0.6cm square (.24 inches square), centered 20.2cm (7.95 inches) from tapered point (outside blade);No.2- round,0.4cm d (0.16 inches d),centered 13.5cm (5.31 inches) from point; No.3-round, 0.4cm d (0.16 inches d), centered 4.0cm (1.57 inches) from haft tip.</p>	<p>Field retrieval: 08/18/99 Datum A: 3.0-3.2m Datum C: 6.02m-5.65m DBD:110-105cm Texas A&M:CRL: 6/17/00-excavated from concretion w/ cow ulna bone (No.55-02), drawknife blade No.55-03, & lead shot No.55-04</p>	<p>Texas A&M: CRL. Blade measurements were preserved with a latex mold & drawn only. Handle was removed from concretion after recording and treated with silicone.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-55-02 Bone: cow ulna 02A.039.000055.0002</p> 	<p>Length:22cm (8.6 inches), width: 2.5cm (0.99 inches), thick:1.1cm (0.43 inches)</p>	<p>Field retrieval: 08/18/99 Datum A: 3.0-3.2m Datum C: 6.02m-5.65m DBD:110-105cm Texas A&M:CRL: 6/17/00-excavated from concretion w/ shove blade & handle (No.55-01), drawknife blade No.55-03, and lead shot No.55-04</p>	<p>Standard fresh water rinse, de- hydrate with successive baths of watered isopropyl alcohol. Coated with Acryloid B</p>


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-55-03 Drawknife or knife blade 02A.039.000055.0003</p> 	<p>Blade dimensions preserved: 14.5cm (5.7 inches) long, by 3.8cm (1.5 inches) high, 0.5 cm (0.2 inches) thick. Tang portion measured 3.3cm(1.3 inches) tapering from 0.4 cm to 0.2cm (0.16-0.07 inches). Angle of tang before breaking, approximately 45 degrees.</p>	<p>Field retrieval: 08/18/99 Datum A: 3.0-3.2m Datum C: 6.02m-5.65m DBD:110-105cm Texas A&M:CRL: 6/17/00-excavated from concretion w/ shovel handle (No.55-01), cow ulna bone (No.55- 02) & lead shot No.55-04</p>	<p>Recorded and epoxy cast replica of blade made at Texas A&M-CRL, 6/00.</p>


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
8SJ3478-55-04 Lead 0.69 caliber musket shot Quantity:4 02A.039.000055.0004-0007 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Field retrieval: 08/18/99 Datum A: 3.0-3.2m Datum C: 6.02m-5.65m DBD:110-105cm Texas A&M:CRL:6/17/00- excavated from concretion w/ shovel handle (No.55-01), cow ulna bone (No.55- 02) & drawknife blade No.55-03	see 8SJ3478-07 for treatment



SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-56 Iron Throughpin (with some wood attached) 02A.039.000056.0001</p> 	<p>Iron throughpin with some wood still attached near head. LOA: 29.0cm (11.4 inches). Shaft diameter tapers from 1.8cm (0.7 inches) to 1.2cm (0.47 inches). Wood remains measure 12cm (4.7 inches) long by 14 cm (5.5 inches) wide. The pin's head was peened flat, and measures 2.8 cm (1.1 inches) in diameter.</p>	<p>Recovered on 08/18/99. Concretion triangulated to Datum A:2.35m, Datum C. 6.36m, DBD:0.98m. Associated on site with cauldron (No.38), anchors & concretion No.53(drawknife).</p>	<p>Texas A&M:CRL. Standard Electrolytic Reduction. Electrolyte Solution 2%NaOH. Begin 7/00. Low current density 7/17/00 - 08/25/00. Mechanically cleaned, then continued through 09/05/0000 (2 amp/2Volt. Medium current density 09/05-09/11 (10 amp/3volt). One week boiling rinse 09/11/00-09/18-00. Two coats of tannic acid. Coated in microcrystalline was 09/19/00-09/22/00. Results:Good.</p>
<p>8SJ3478-57 Lead 0.69 caliber musket shot Quantity:145 02A.039.000057.0001-0145</p> <p>see 8SJ3478-07 for image</p>	<p>0.69 inches d (1.75cm)</p>	<p>Recovery: 08/19/99 Datum A: 2.50-2.78m Datum E: 2.82-2.75 DBD:96-105cm, with other shot in cask under wooden box</p>	<p>see 8SJ3478-07 for treatment</p>


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-58 Whetstone (broken) 02A.039.000058.0001</p> 	<p>Broken before deposition. Preserved length: 5.7cm (2.24 inches), width: 2.8cm (1.1 inches), thickness: 1.2cm (0.47 inches).</p>	<p>Recovered on 08.18/99, the whetstone was recovered with a load of lead 0.69 caliber shot (No.57), near millstone MS-C <i>in situ</i> (see Figure 7B) and crate of axes No.61, in the northern test trench, at @ 1.0m DBD.</p>	<p>The stone went through a series of fresh water rinses to remove chlorides, standard de-hydration of diluted alcohol baths, and was coated with Acryloid B-72.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-59-01 Wooden Crate 02A.039.000059.0001 (HELD 20 AXE HEADS: 59-03 THRU 59-22)</p> 	<p>37cm (14.6 inches) x 24.5cm (9.6 inches) x 20 cm (7.9 inches). Handle holes:holes:2.0cm (0.78 inches) d. Withy:0.75cm (0.3 inches) thick.</p> 	<p>Recovery date: 08/23/99. Associations: Near boxes No.60 & No.61. Laying on top of a crushed wooden cask of lead shot (see Morris & Burns 2000:11). Datum B:4.14m to NE corner,4.49m to SE corner. Datum E:3.1m to NE corner, 2.92m to SE corner.</p>	<p>Conservation: Texas A&M University CRL: Fresh Water Rinse & Storage:thru 05/25/00. Mechanically cleaned and axes photographed and removed 5-6/00. Cleaned crate, disassembled where necessary, and placed into continuous fresh water rinse cycle. Iron fasteners were documented by drawing only. Molds were incomplete-too soft to cast. Wood & withy id'd by Lee Newsom as too impregnated with iron to thin section for positive identification:" definitely a hardwood and strongly suggestive of oak, genus <i>Quercus</i> sp." (Newsom 2003). Wooden crate parts undergo silicone infusion treatment at CRL with very good results (silicone oil: MTMS solution cross-linked with <i>Dow 6070</i> or DBDTA (see C. Wayne Smith1997).</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-59-03 Wrought Iron Axe Head 02A.039.000059.0003</p>  <p>Axes 59-03 through 59-12 top row, left to right Axes 59-13 through 59-22 2nd row, left to right</p>	<p>No maker's mark visible <u>loa</u>: 18.5cm (7.3 inches); <u>width</u>: at blade: 10cm (3.9 inches), at "ear" point: 9.0cm (3.5 inches), at poll: 7.5cm (2.95 inches); <u>thick</u>: 3.0cm (1.2 inches) max (at poll) tapers to 0.7cm (0.28 inches) at blade, teardrop shaped eye for handle: 8.0cm (3.15 inches) long x 1.0cm (0.39 inches) wide at aft edge, 1.2cm (0.47 inches) wide max, tapering to 0.2cm wide at fwd end. No blade insert. Final Weight: 1.8 kg (3.95 pounds)</p>	<p>Recovered in lab 06/08/00. Bottom- most layer, rear, of pile of five layers of axe heads, stacked flat with polls at outer crate edges and blades in middle inside Box No.59. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaSOH, Anode: Mild Steel. Begin: 07/03/00. Low current density: 2Amp/2V @ 1 month, medium current density: 9Amp/4V @ 2 months, high current density 12 Amp/7V @ 1 month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 3 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: Great</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-59-04 Wrought Iron Axe Head 02A.039.000059.0004</p> <p><i>See Axe number 8SJ3478-59-03 above for image of all axes.</i></p>	<p>Maker's mark visible: “_ . _oyd” only with crossed handles no blades -metal is missing from these areas. Mark is on port side of blade.</p> <p><u>loa</u>: 17.6cm (6.9 inches); <u>width</u>: at blade: 9.8cm (3.8 inches), at “ear” point:8.8cm (3.46 inches), at poll: 7.5cm (2.95 inches); <u>thick</u>: 3.0cm (1.2 inches) max (at poll) tapers to 0.7cm (0.28 inches) at blade, teardrop shaped eye for handle:8.4cm (3.3 inches) long x 2.1cm(0.8 inches) wide at aft edge,2.3cm (0.9 inches) wide max, tapering to 0.2cm wide at fwd end. No blade insert or fold line visible. Final Weight:1.6 kg (3.46 pounds)</p>	<p>Recovered in lab 06/08/00. Bottom- most layer, rear, of pile of five layers of axe heads, stacked flat, polls to outer crate edges and blades in middle- blade edge. No.59- 04 was facing blade of No.59-03 inside Box No.59. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaSOH, Anode: Mild Steel. Begin:07/03/00.Low current density:2Amp/2V @1 month, medium current density: 9Amp/4V @ 2 months, high current density 12 Amp/7V @ 1 month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 3 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: Great</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-59-05 Wrought Iron Axe Head 02A.039.000059.0005</p> <p><i>See Axe number 8SJ3478-59-03 above for image of all axes.</i></p>	<p>Maker's mark visible: “_ . Boyd” only with crossed axe heads and handles. Mark is on port side of blade. <u>loa</u>: 18.5cm (7.3 inches); <u>width</u>: at blade:9.5cm (3.7 inches), at “ear” point: 9.0cm (3.5 inches),at poll: 7.8cm (3.0 inches); <u>thick</u>: 3.0cm (1.2 inches) max (at poll) tapers to 0.7cm (0.28 inches) at blade, teardrop shaped eye for handle:8.0cm (3.15 inches) long. No blade insert. Final Weight:1.9 kg (4.34 pounds)</p>	<p>Recovered in lab 06/11/00. Bottom- most layer, front, of pile of five layers of four axe heads, stacked flat, polls to outer crate edges and blades in middle-blade edge. No.59-05 was facing along side No.59-04 inside Box No.59. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaSOH, Anode: Mild Steel. Begin:07/03/00.Low current density:2Amp/2V @1 month, medium current density: 9Amp/4V @ 2 months, high current density 12 Amp/7V @ 1 month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 3 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: Great</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-59-06 Wrought Iron Axe Head 02A.039.000059.0006</p> <p><i>See Axe number 8SJ3478-59-03 above for image of all axes.</i></p>	<p>Complete Maker's mark visible: "R. Boyd" with crossed axe heads and handles. Mark on port side of blade. <u>loa</u>: 18.5cm (7.3 inches); <u>width</u>: at blade 10.0cm (3.9 inches), at "ear" point: 9.5cm (3.7 inches), at poll: 7.8cm (3.0 inches); <u>thick</u>: 3.6cm (1.4 inches) max (at poll) tapers to 0.4cm (0.2 inches) at blade, triangular shaped eye for handle: 8.2cm (3.2 inches) long. No blade insert-fold is visible. Final Weight: 1.9 kg (4.12 pounds)</p>	<p>Recovered in lab 06/11/00. Bottom-most layer, front, of pile of five layers of four axe heads, stacked flat, polls to outer crate edges and blades in middle-blade edge. No. 59-06 was facing blade edge to blade edge of No. 59-05 inside Box No. 59. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaSOH, Anode: Mild Steel. Begin: 07/03/00. Low current density: 2Amp/2V @ 1 month, medium current density: 9Amp/4V @ 2 months, high current density 12 Amp/7V @ 1 month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 3 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: Great</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-59-07 Wrought Iron Axe Head 02A.039.000059.0007</p> <p><i>See Axe number 8SJ3478-59-03 above for image of all axes.</i></p>	<p>Very faint maker's mark, only: ". _o_" with crossed handles , 1.5 blades legible -metal is missing from the other areas. Mark is on port side of blade. <u>loa</u>: 19.6cm (7.7 inches); <u>width</u>: at blade: 9.7cm (3.8 inches), at "ear" point:8.6cm (3.38 inches), at poll: 7.0cm (2.75 inches); <u>thick</u>: 3.4cm (1.3 inches) max (at poll) tapers to 0.8cm (0.31 inches) at blade, triangular shaped eye for handle:8.8cm (3.5 inches) long. No blade insert, fold line visible. Final Weight:1.8 kg (4.0 pounds)</p>	<p>Recovered in lab 06/11/00. Second from bottom-most layer, rear, of pile of five layers of four axe heads, stacked flat, polls to outer crate edges and blades in middle- blade edge. No.59- 08 was facing blade edge to blade edge of No.59-07, laying on top of No.59-04 inside Box No.59. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaSOH, Anode: Mild Steel. Begin:07/03/00.Low current density:2Amp/2V @1 month, medium current density: 9Amp/4V @ 2 months, high current density 12 Amp/7V @ 1 month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 3 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: Great</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-59-08 Wrought Iron Axe Head 02A.039.000059.0008</p> <p><i>See Axe number 8SJ3478-59-03 above for image of all axes.</i></p>	<p>Maker's mark visible: "R. Boyd" with faint impression of crossed axe heads and handles. Mark is on port side of blade. <u>loa</u>: 18.5cm (7.3 inches); <u>width</u>: at blade: 10.3cm (4.0 inches), at "ear" point: 9.0cm (3.5 inches), at poll: 7.2cm (2.8 inches); <u>thick</u>: 3.6cm (1.4 inches) max (at poll) tapers to 0.7cm (0.28 inches) at blade, teardrop shaped eye for handle: 6.5cm (2.55 inches) long, 1.6 cm (0.6 inches) wide at poll, 0.9cm (0.35 inches) wide at fwd end. No blade insert, fold is visible. Final Weight: 1.75kg (3.85 pounds)</p>	<p>Recovered in lab 06/13/00. Second from bottom-most layer, front, of pile of five layers of four axe heads, stacked flat, polls to outer crate edges and blades in middle- blade edge. No.59- 08 was facing blade edge to blade edge of No.59-07, laying on top of No.59-03 inside Box No.59. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaSOH, Anode: Mild Steel. Begin: 07/03/00. Low current density: 2Amp/2V @ 1 month, medium current density: 9Amp/4V @ 2 months, high current density 12 Amp/7V @ 1 month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 3 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: Great</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-59-09 Wrought Iron Axe Head 02A.039.000059.0009</p> <p><i>See Axe number 8SJ3478-59-03 above for image of all axes.</i></p>	<p>Very faint maker's mark, only: "R. ___d" with crossed handles , 1.5 blades legible -metal is missing from the other areas. Mark is on port side of blade. Blade details pre- conservation much more detailed- good portion of bottom of poll, ear points and blade missing post ER. These measurement are original. <u>Loa</u>: 18.9cm (7.44 inches); <u>width</u>: at blade: 10.4cm (3.8 inches), at "ear" point:9.6cm (3.78 inches), at poll: 8.0cm (3.15 inches); <u>thick</u>: 3.0cm (1.18 inches) max (at poll) tapers to 0.7cm (0.27 inches) at blade, teardrop shaped eye for handle:8.1cm (3.19 inches) long. No blade insert, fold line visible pre-treatment. Final Weight:1.7 kg (3.9 pounds)</p>	<p>Recovered in lab 06/13/00. Second from bottom-most layer, rear, of pile of five layers of four axe heads, stacked flat, polls to outer crate edges and blades in middle- blade edge. No.59- 09 was facing to blade edge of No.59-11, laying on top of No.59-05 inside Box No.59. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/03/00.Low current density:2Amp/2V @1 month, medium current density: 9Amp/4V @ 2 months, high current density 12 Amp/7V @ 1 month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 3 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: Fair-some corrosion wore away detail during treatment.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-59-10 Wrought Iron Axe Head 02A.039.000059.0010</p> <p><i>See Axe number 8SJ3478-59-03 above for image of all axes.</i></p>	<p>Very faint maker's mark, corroded and mostly illegible post-conservation. Mark was on port side of blade. Blade details pre-conservation much more detailed-good portion of bottom of poll and ear points missing post ER. These measurement are original. <u>Loa</u>: 20.0cm (7.87 inches); <u>width</u>: at blade: 10.2cm (4.0 inches), at "ear" point:9.5cm (3.74 inches), at poll: 7.5cm (2.95 inches); <u>thick</u>: 3.7cm (1.46 inches) max (at poll) tapers to 0.7cm (0.27 inches) at blade, triangular shaped eye for handle:8.1cm (3.19 inches) long, width 2.1cm (0.82 inches) at after end, 0.7cm (0.27 inches) at forward end. No blade insert, fold line visible pre-treatment. Final Weight:1.9 kg (4.25 pounds)</p>	<p>Recovered in lab 06/13/00. Second from bottom-most layer, rear, of pile of five layers of four axe heads, stacked flat, polls to outer crate edges and blades in middle-blade edge. No.59-10 was facing poll out, on top of blade edge of No.59-08, laying on top of No.59-07 inside Box No.59. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/03/00.Low current density:2Amp/2V @1 month, medium current density: 9Amp/4V @ 2 months, high current density 12 Amp/7V @ 1 month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 3 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: Fair-some corrosion wore away detail during treatment.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-59-11 Wrought Iron Axe Head 02A.039.000059.0011</p> <p><i>See Axe number 8SJ3478-59-03 above for image of all axes.</i></p>	<p>Complete Maker's mark visible: "R. Boyd" with crossed axe heads and handles. Mark on port side of blade. <u>Loa</u>: 19.4cm (7.6 inches); <u>width</u>: at blade 10.0cm (3.9 inches), at "ear" point: 9.5cm (3.7 inches), at poll: 7.8cm (3.0 inches); <u>thick</u>: 3.6cm (1.4 inches) max (at poll) tapers to 0.4cm (0.2 inches) at blade, teardrop shaped eye for handle: 7.6cm (3.0 inches) long x 2.2cm wide (0.87 inches) at poll end, 0.8cm (0.31 inches) wide at forward end. No blade insert-fold is visible. Final Weight: 2.0 kg (4.4 pounds)</p>	<p>Recovered in lab 06/13/00. Third from bottom-most layer, front, of pile of five layers of four axe heads, stacked flat, polls to outer crate edges and blades in middle-blade edge. No. 59-11 was facing poll out, blade on top of blade edge of No. 59-09, laying on top of No. 59-06 inside Box No. 59. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin: 07/03/00. Low current density: 2Amp/2V @ 1 month, medium current density: 9Amp/4V @ 2 months, high current density 12 Amp/7V @ 1 month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 3 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: Great-sharp edges, good maker's mark impression.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-59-12 Wrought Iron Axe Head 02A.039.000059.0012</p> <p><i>See Axe number 8SJ3478-59-03 above for image of all axes.</i></p>	<p>Maker's mark, only: "_ BOYD" with crossed handles , 1.5 blades legible -metal is missing from the other areas. Mark is on port side of blade.</p> <p><u>Loa</u>: 18.0cm (7.09 inches); <u>width</u>: at blade: 9.8cm (3.8 inches), at "ear" point:9.6cm (3.78 inches), at poll: 7.5cm (2.9 inches); <u>thick</u>: 3.4cm (1.3 inches) max (at poll) tapers to 0.7cm (0.27 inches) at blade, teardrop shaped eye for handle:7.0cm (2.75 inches) long. No blade insert or fold line visible. Final Weight:1.8 kg (3.97 pounds)</p>	<p>Recovered in lab 06/13/00. Third from bottom-most layer, front, of pile of five layers of four axe heads, stacked flat, polls to outer crate edges and blades in middle- blade edge. No.59- 12 was facing poll out, laying on top of No.59-08 inside Box No.59. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/03/00.Low current density:2Amp/2V @1 month, medium current density: 9Amp/4V @ 2 months, high current density 12 Amp/7V @ 1 month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 3 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: Great- sharp edges.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-59-13 Wrought Iron Axe Head 02A.039.000059.0013</p> <p><i>See Axe number 8SJ3478-59-03 above for image of all axes.</i></p>	<p>Complete Maker's mark visible: "R. Boyd" with crossed axe heads and handles. Mark on port side of blade, impression is very shallow.</p> <p><u>loa</u>: 19.6cm (7.7 inches); <u>width</u>: at blade 10.6cm (4.17 inches), at "ear" point: 9.8cm (3.86inches), at poll: 7.6cm (2.99 inches); <u>thick</u>: 3.6cm (1.4 inches) max (at poll) tapers to 0.4cm (0.2 inches) at blade. Teardrop shaped eye measures 8.0 cm (3.15 inches) long x 2.2 cm (0.86 inches) wide at aft end, 0.7 cm (0.27 inches) wide at forward end. recorded. No blade insert-fold is visible. Final Weight: 2.0 kg (4.4 pounds)</p>	<p>Recovered in lab 06/13/00. Third from bottom-most layer, rear, of pile of five layers of four axe heads, stacked flat, polls to outer crate edges and blades in middle-blade edge. No. 59-13 was facing poll out, laying on top of No. 59-09 inside Box No. 59. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin: 07/03/00. Low current density: 2Amp/2V @ 1 month, medium current density: 9Amp/4V @ 2 months, high current density 12 Amp/7V @ 1 month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 3 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: Great-sharp edges.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-59-14 Wrought Iron Axe Head 02A.039.000059.0014</p> <p><i>See Axe number 8SJ3478-59-03 above for image of all axes.</i></p>	<p>Complete Maker's mark visible: "R. Boyd" with crossed axe heads and handles. Mark on port side of blade, impression is very shallow.</p> <p><u>Loa</u>: 18.5cm (7.2 inches); <u>width</u>: at blade 9.8cm (3.86 inches), at "ear" point: 9.5cm (3.7 inches), at poll: 7.6cm (2.99 inches); <u>thick</u>: 3.6cm (1.4 inches) max (at poll) tapers to 0.4cm (0.2 inches) at blade. No eye detail recorded. No blade insert-fold is visible. Final Weight:1.96 kg (4.3 pounds)</p>	<p>Recovered in lab 06/13/00. Third from bottom-most layer, rear, of pile of five layers of four axe heads, stacked flat, polls to outer crate edges and blades in middle-blade edge. No.59-14 was facing poll out, laying on top of No.59-10 inside Box No.59. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/03/00.Low current density:2Amp/2V @1 month, medium current density: 9Amp/4V @ 2 months, high current density 12 Amp/7V @ 1 month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 3 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: Great-sharp edges.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-59-15 Wrought Iron Axe Head 02A.039.000059.0015</p> <p><i>See Axe number 8SJ3478-59-03 above for image of all axes.</i></p>	<p>Incomplete Maker's mark visible: " _ . Boyd" with only right side of crossed axe pair. Mark on port side of blade. Impression is very faint- not gone from corrosion-seems to have been a shallow stamp at construction.</p> <p><u>Loa</u>: 18.5cm (7.2 inches); <u>width</u>: at blade 9.8cm (3.86 inches), at "ear" point: 9.5cm (3.7 inches),at poll: 7.6cm (2.99 inches); <u>thick</u>: 3.6cm (1.4 inches) max (at poll) tapers to 0.4cm (0.2 inches) at blade. Teardrop shaped eye: 7.25 cm (2.85 inches) long, 2.5 cm (0.98 inches) wide at very curved aft end, 0.7 cm (0.27 inches) wide at forward end. No blade insert-fold is visible, creases are sharp. Final Weight:2.09 kg (4.6 pounds)</p>	<p>Recovered in lab 06/13/00. Row four from bottom-most layer, front, of pile of five layers of four axe heads, stacked flat, polls to outer crate edges and blades in middle- blade edge. No.59- 15 was facing poll out, laying on top of No.59-11 inside Box No.59. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/03/00.Low current density:2Amp/2V @1 month, medium current density: 9Amp/4V @ 2 months, high current density 12 Amp/7V @ 1 month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 3 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: Great- sharp edges.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-59-16 Wrought Iron Axe Head 02A.039.000059.0016</p> <p><i>See Axe number 8SJ3478-59-03 above for image of all axes.</i></p>	<p>Complete Maker's mark visible: "R. Boyd" with crossed axe pair. Mark on port side of blade.</p> <p><u>Loa</u>: 18.3cm (7.2 inches); <u>width</u>: at blade 9.8cm (3.86 inches), at "ear" point: 9.4cm (3.7 inches), at poll: 7.6cm (2.99 inches); <u>thick</u>: 3.4cm (1.3 inches) max (at poll) tapers to 0.4cm (0.2 inches) at blade. Teardrop shaped eye: 8.5 cm (3.35 inches) long, 1.6 cm (0.6 inches) wide at very curved aft end, 0.2cm (0.08 inches) wide at pointed forward end. No blade insert-fold is visible, creases are sharp. Final Weight: 1.98 kg (4.4 pounds)</p>	<p>Recovered in lab 06/13/00. Row four from bottom-most layer, rear, of pile of five layers of four axe heads, stacked flat, polls to outer crate edges and blades in middle-blade edge. No.59-16 was facing poll out, laying on top of No.59-12 inside Box No.59. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/03/00. Low current density: 2Amp/2V @ 1 month, medium current density: 9Amp/4V @ 2 months, high current density 12 Amp/7V @ 1 month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 3 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: Great-sharp edges</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-59-17 Wrought Iron Axe Head 02A.039.000059.0017</p> <p><i>See Axe number 8SJ3478-59-03 above for image of all axes.</i></p>	<p>Complete Maker's mark visible: "R. Boyd" with crossed axe pair. Mark on port side of blade. Upper axe edge badly degraded due to corrosion-measurements recorded are for original lines of construction.</p> <p><u>Loa</u>: 18.5cm (7.3 inches); <u>width</u>: at blade 10.0cm (3.93 inches), at "ear" point: 9.4cm (3.7 inches), at poll: 7.6cm (2.99 inches); <u>thick</u>: 3.4cm (1.3 inches) max (at poll) tapers to 0.4cm (0.2 inches) at blade. Teardrop shaped eye: 8.0 cm (3.15 inches) long, 1.8 cm (0.7 inches) wide at very curved aft end, 0.4cm (0.16 inches) wide at pointed forward end. No blade insert-fold is very visible, creases are sharp. Final Weight:1.98 kg (4.4 pounds)</p>	<p>Recovered in lab 06/13/00. Row four from bottom-most layer, rear, of pile of five layers of four axe heads, stacked flat, polls to outer crate edges and blades in middle-blade edge. No.59-17 was facing poll out, laying on top of No.59-13 inside Box No.59. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/03/00.Low current density:2Amp/2V @1 month, medium current density: 9Amp/4V @ 2 months, high current density 12 Amp/7V @ 1 month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 3 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good-badly corroded on entire upper edge pre-treatment.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-59-18 Wrought Iron Axe Head 02A.039.000059.0018</p> <p><i>See Axe number 8SJ3478-59-03 above for image of all axes.</i></p>	<p>Complete Maker's mark visible: "R. Boyd" with crossed axe pair. Mark on port side of blade.</p> <p><u>Loa</u>: 18.5cm (7.3 inches); <u>width</u>: at blade 9.1cm (3.6 inches), at "ear" point: 8.8cm (3.5 inches), at poll: 7.5cm (2.95 inches); <u>thick</u>: 3.6cm (1.4 inches) max (at poll) tapers to 0.4cm (0.2 inches) at blade. Teardrop shaped eye: 8.2 cm (3.23 inches) long, 2.0 cm (0.79 inches) wide at end, 0.4cm (0.16 inches) wide at pointed forward end. No blade insert-fold is very visible, creases are sharp. Final Weight: 1.93 kg (4.25 pounds)</p>	<p>Recovered in lab 06/13/00. Row four from bottom-most layer, rear, of pile of five layers of four axe heads, stacked flat, polls to outer crate edges and blades in middle- blade edge. No.59- 18 was facing poll out, laying on top of No.59-15 inside Box No.59. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/03/00. Low current density: 2Amp/2V @ 1 month, medium current density: 9Amp/4V @ 2 months, high current density 12 Amp/7V @ 1 month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 3 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-59-19 Wrought Iron Axe Head 02A.039.000059.0019</p> <p><i>See Axe number 8SJ3478-59-03 above for image of all axes.</i></p>	<p>Complete Maker's mark visible: "R. Boyd" with crossed axe pair. Mark on port side of blade. Axe handles run on and drag towards axe blade bottom like pattern slipped for 1.2 cm (0.47 inches).</p> <p><u>Loa</u>: 18.5cm (7.3 inches); <u>width</u>: at blade 9.6cm (3.78 inches), at "ear" point: 8.8cm (3.5 inches), at poll: 7.4cm (2.91 inches); <u>thick</u>: 3.3cm (1.3 inches) max (at poll) tapers to 0.4cm (0.2 inches) at blade. Teardrop shaped eye: 8.5 cm (3.35 inches) long, 2.0 cm (0.79 inches) wide at end, 0.4cm (0.16 inches) wide at pointed forward end. No blade insert or fold visible. Final Weight:1.95 kg (4.3 pounds)</p>	<p>Recovered in lab 06/13/00. Top-most row of five layers, of four axe heads, stacked flat, rear, polls to outer crate edges and blades in middle-blade edge. No.59-19 was facing poll out, laying on top of No.59-14 inside Box No.59. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/03/00. Low current density:2Amp/2V @1 month, medium current density: 9Amp/4V @ 2 months, high current density 12 Amp/7V @ 1 month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 3 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good-some surface corrosion out poll end, blade edge is clean.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-59-20 Wrought Iron Axe Head 02A.039.000059.0020</p> <p><i>See Axe number 8SJ3478-59-03 above for image of all axes.</i></p>	<p>Complete Maker's mark visible: "R. Boyd" with crossed axe pair. Mark on port side of blade. Light surface corrosion on axe head surface near poll, on top of eye, and near maker's mark.</p> <p><u>Loa</u>: 18.5cm (7.3 inches); <u>width</u>: at blade 9.8cm (3.8 inches), at "ear" point: 9.6cm (3.8 inches), at poll: 8.0cm (3.15 inches); <u>thick</u>: 3.5cm (1.4 inches) max (at poll) tapers to 0.8cm (0.31 inches) at blade. Teardrop shaped eye: 7.8 cm (3.07 inches) long, 2.0 cm (0.79 inches) wide at end, 0.7cm (0.27 inches) wide at pointed forward end. No blade insert-fold is visible, creases are sharp. Final Weight: 1.93 kg (4.25 pounds)</p>	<p>Recovered in lab 06/13/00. Top-most row of five layers, of four axe heads, stacked flat, front, polls to outer crate edges and blades in middle-blade edge. No.59-20 was facing poll out, laying on top of No.59-16 inside Box No.59. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin: 07/03/00. Low current density: 2Amp/2V @ 1 month, medium current density: 9Amp/4V @ 2 months, high current density 12 Amp/7V @ 1 month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 3 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good-some surface corrosion.</p>


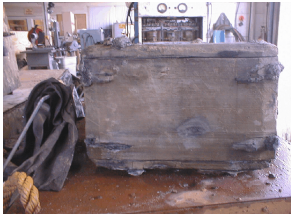
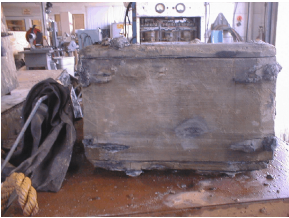

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-59-21 Wrought Iron Axe Head 02A.039.000059.0021</p> <p><i>See Axe number 8SJ3478-59-03 above for image of all axes.</i></p>	<p>Complete Maker's mark visible: "R. Boyd" with crossed axe pair. Mark on port side of blade.</p> <p><u>Loa</u>: 19.2cm (7.55 inches); <u>width</u>: at blade 9.8cm (3.85 inches), at "ear" point: 9.5cm (3.74 inches), at poll: 8.0cm (3.15 inches); <u>thick</u>: 3.4cm (1.34inches) max (at poll) tapers to 0.4cm (0.2 inches) at blade. Roughly teardrop shaped eye: 8.0 cm (3.15 inches) long, 1.2 cm (0.47 inches) wide at top, 2.0 cm (0.79 inches) wide at middle, 0.4cm (0.16 inches) wide at pointed forward end. No blade insert or fold line visible. Final Weight: 1.96 kg (4.33 pounds)</p>	<p>Recovered in lab 06/13/00. Top-most row of five layers, of four axe heads, stacked flat, rear, polls to outer crate edges and blades in middle-blade edge. No.59-21 was facing poll out, laying on top of No.59-17 inside Box No.59. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/03/00. Low current density: 2Amp/2V @ 1 month, medium current density: 9Amp/4V @ 2 months, high current density 12 Amp/7V @ 1 month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 3 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good-some surface corrosion.</p>


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-59-22 Wrought Iron Axe Head 02A.039.000059.0022</p> <p><i>See Axe number 8SJ3478-59-03 above for image of all axes.</i></p>	<p>Surface badly corroded, iron very pitted, maker's mark "R. Boyd" with crossed axe pair present on port side of blade, but illegible.</p> <p><u>Loa</u>: 19.0cm (7.48 inches); <u>width</u>: at blade 9.7cm (3.82 inches), at "ear" point: 9.0cm (3.54 inches), at poll: 7.5cm (2.95 inches); <u>thick</u>: 3.4cm (1.34 inches) max (at poll) tapers to 0.4cm (0.2 inches) at blade. Teardrop shaped eye: 7.7 cm (3.03 inches) long, 1.2 cm (0.47 inches) wide at rounded top, 0.2cm (0.08 inches) wide at pointed forward end. No blade insert, fold line is visible, creases are very sharp. Final Weight: 1.78 kg (3.9 pounds)</p>	<p>Recovered in lab 06/13/00. Top-most row of five layers, of four axe heads, stacked flat, rear, polls to outer crate edges and blades in middle-blade edge. No.59-22 was facing poll out, laying on top of No.59-18 inside Box No.59. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin: 07/03/00. Low current density: 2Amp/2V @ 1 month, medium current density: 9Amp/4V @ 2 months, high current density 12 Amp/7V @ 1 month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 3 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good-badly corroded on entire lower edge pre-treatment.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-60 Wooden Crate, lid marked: "NO 5, ILLINOIS, AX's 20" 02A.039.000060.0026 (HELD 20 AXE HEADS: 60-01 THRU 60-20)</p>  	<p>37cm (14.6 inches) x 24.5cm (9.6 inches) x 20 cm (7.9 inches). Handle holes: 1.9cm (0.75 inches) d. Withy: 0.75cm (0.3 inches) thick</p>  	<p>Recovery Date: 08/24/99. Associations: southeast trench, near boxes No.59 & No.61. Datum B: 4.77m to NE corner, 4.65m to SE corner. Datum E: 1.6m to NE corner, 1.65m to SE corner. DBD: 109-115cm.</p>	<p>Conservation: Texas A&M University CRL: Fresh Water Rinse & Storage :thru 05/00. Mechanically cleaned and axes photographed and removed 5-6/00. Cleaned crate, disassembled where necessary, and placed into continuous fresh water rinse cycle. Iron fasteners were documented by drawing only. Molds were incomplete-too soft to cast. Wood & withy id'd by Lee Newsom as too impregnated with iron to thin section for positive identification:" definitely a hardwood and strongly suggestive of oak, genus <i>Quercus</i> sp." (Newsom 2003). Wooden crate parts undergo silicone infusion treatment at CRL with very good results (silicone oil: MTMS solution cross-linked with <i>Dow 6070</i> or DBDTA (see Smith 1997).</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (Franklin 2005)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-60-01 Wrought Iron Axe Head 02A.039.000060.0001</p>  <p>Axes 60-01 through 60-10 top row, left to right Axes 60-11 through 60-20 2nd row, left to right</p>	<p>Complete Maker's mark visible: "R. Boyd" with crossed axe pair. Mark on port side of blade.</p> <p><u>Loa</u>: 18.5cm (7.28 inches); <u>width</u>: at blade 10.2cm (4.01 inches), at "ear" point: 9.7cm (3.82 inches)-some degradation (after treatment) at poll: 8.0cm (3.15 inches); <u>thick</u>: 3.4cm (1.34inches) max (at poll) tapers to 0.4cm (0.2 inches) at blade. Roughly teardrop shaped eye: 8.9 cm (3.5 inches) long, 1.2 cm (0.47 inches) wide at top, 1.5 cm (0.59 inches) wide at middle, 0.4cm (0.16 inches) wide at rounded forward end. No blade insert or fold line visible. Final Weight: 1.72kg (3.81pounds)</p>	<p>Recovered in lab 05/28 /00. Top-most row of five layers, of four axe heads, stacked flat, left rear, polls to outer crate edges and blades in middle-blade edge. No.60-01 was facing poll out, laying on top of No.60-05 inside Box No.60. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/24/00. Low current density: 2Amp/2V @ 2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good, some metal degradation at poll end.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-60-02 Wrought Iron Axe Head 02A.039.000060.0002</p> <p><i>See Axe 8SJ3478-60-01 above for group image of all axes in box.</i></p>	<p>Complete Maker's mark visible: "R. Boyd" with crossed axe pair. Mark on starboard side of blade.</p> <p><u>Loa</u>: 19.0cm (7.48 inches); <u>width</u>: at blade 10.0cm (3.94 inches), at "ear" point: 10.0cm (3.94inches), at poll: 8.5cm (3.35 inches) <u>thick</u>: 3.0cm (1.18inches) max (at poll) tapers to 0.6cm (0.24 inches) at blade. Roughly teardrop shaped eye: 6.8cm (2.67 inches) long, 2.0cm (0.79 inches) wide at top, 0.6cm (0.24inches) wide at forward end. No blade insert or fold line visible, blade looks new and unsharpened. Final Weight: 1.92kg (4.2pounds)</p>	<p>Recovered in lab 05/28 /00. Top-most row of five layers, of four axe heads, stacked flat, left front, polls to outer crate edges and blades in middle-blade edge. No.60-02 was facing poll out, laying on top of No.60-06 inside Box No.60. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/24/00. Low current density: 2Amp/2V @ 2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good, some metal corrosion on port side of blade.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-60-03 Wrought Iron Axe Head 02A.039.000060.0003</p> <p><i>See Axe 8SJ3478-60-01 above for group image of all axes in box.</i></p>	<p>Complete Maker's mark visible: "R. Boyd" with crossed axe pair. Mark on starboard side of blade.</p> <p><u>Loa</u>: 19.6cm (7.72 inches); <u>width</u>: at blade 10.1cm (3.98 inches), at "ear" point: 10.0cm (3.94inches), at poll: 7.8cm (3.07 inches) <u>thick</u>: 3.2cm (1.26 inches) max (at poll) tapers to 0.6cm (0.24 inches) at blade. Roughly teardrop shaped eye:7.8cm (3.07 inches) long,2.0cm (0.79 inches) wide at top, 0.6cm (0.24inches) wide at forward end. No blade insert or fold line visible, blade looks new and unsharpened. Final Weight:1.92kg (4.2pounds)</p>	<p>Recovered in lab 05/28 /00. Top-most row of five layers, of four axe heads, stacked flat, right front, polls to outer crate edges and blades in middle-blade edge. No.60-03 was facing poll out, laying on top of No.60-07 inside Box No.60. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/24/00.Low current density:2Amp/2V @2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good, some metal corrosion on poll end of blade.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-60-04 Wrought Iron Axe Head 02A.039.000060.0004</p> <p><i>See Axe 8SJ3478-60-01 above for group image of all axes in box.</i></p>	<p>Complete Maker's mark visible: "R. Boyd" with crossed axe pair. Mark on port side of blade.</p> <p><u>Loa</u>: 18.8cm (7.40 inches); <u>width</u>: at blade 10.2cm (4.01 inches), at "ear" point:8.7cm (3.42 inches),at poll:7.8cm (3.07inches); <u>thick</u>: 3.2cm (1.26 inches) max (at poll) tapers to 0.4cm (0.2 inches) at blade. Roughly teardrop shaped eye: 6.8cm (2.68 inches) long,1.5cm (0.59 inches) wide at top, 0.4cm (0.16 inches) wide at rounded forward end. No blade insert or fold line visible. Final Weight:2.0kg (5pounds)</p>	<p>Recovered in lab 05/28 /00. Top-most row of five layers, of four axe heads, stacked flat, right rear, polls to outer crate edges and blades in middle-blade edge. No.60-04 was facing poll out, laying on top of No.60-08 inside Box No.60. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/24/00.Low current density:2Amp/2V @2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good, some metal corrosion on poll end of blade.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-60-05 Wrought Iron Axe Head 02A.039.000060.0005</p> <p><i>See Axe 8SJ3478-60-01 above for group image of all axes in box.</i></p>	<p>Only "ghost" impression of maker's mark, port side presumed-not recorded.</p> <p><u>Loa</u>: 19.5cm (7.67 inches); <u>width</u>: at blade 10.7cm (4.2 inches), at "ear" point:9.7cm (3.81 inches), at poll:7.8cm (3.07inches); <u>thick</u>: 3.2cm (1.26 inches) max (at poll) tapers to 0.4cm (0.2 inches) at blade. Roughly teardrop shaped eye: 7.8cm (3.07 inches) long,1.7cm (0.67 inches) wide at top, 0.4cm (0.16 inches) wide at pointed forward end. No blade insert or fold line visible. Final Weight:2.1kg (4.6 pounds)</p>	<p>Recovered in lab 05/28 /00. Second from top of five layers of axe heads. Left rear, blade edge. No.60-05 was placed with its blade just beneath the blade of No.60-04, with axe head No.60-01 laying on top, and No.60-10 beneath inside Box No.60. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/24/00.Low current density:2Amp/2V @2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good, some surface corrosion, outer layer is magnetite. Stamp is ghost impression only.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-60-06 Wrought Iron Axe Head 02A.039.000060.0006</p> <p><i>See Axe 8SJ3478-60-01 above for group image of all axes in box.</i></p>	<p>No maker's mark or impression of one lost on either side of this axe head.</p> <p><u>Loa</u>: 19.2cm (7.56 inches); <u>width</u>: at blade 10.0cm (4.2 inches), at "ear" point:9.7cm (3.94 inches), at poll:7.8cm (3.07 inches); <u>thick</u>: 3.2cm (1.26 inches) max (at poll) tapers to 0.4cm (0.2 inches) at blade. Teardrop shaped eye: 8.2 (3.23 inches) long, 1.7cm (0.67 inches) wide at top, 0.4cm (0.16 inches) wide at pointed forward end. No blade insert or fold line visible. Final Weight:1.87 kg (4.1 pounds)</p>	<p>Recovered in lab 05/28 /00. Second from top of five layers of axe heads. Left front, blade edge. No.60-05 was placed with its blade just beneath the blade of No.60-03, with axe head No.60-02 laying on top, and No.60-09 beneath inside Box No.60. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/24/00.Low current density:2Amp/2V @2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good, axe is in excellent condition, blade like new.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-60-07 Wrought Iron Axe Head 02A.039.000060.0007</p> <p><i>See Axe 8SJ3478-60-01 above for group image of all axes in box.</i></p>	<p>Maker's mark on port side of blade reads “__OY_” beneath pair of crossed axe heads (beneath layer of corrosion still present post-treatment. Steel bit is visible inside eye of this axe head.</p> <p><u>Loa</u>: 18.8cm (7.56 inches); <u>width</u>: at blade 10.2cm (4.01 inches), at “ear” point:10.0cm (3.94 inches), at poll:7.8cm (3.07inches); <u>thick</u>: 3.8cm (1.5 inches) max (at poll) tapers to 0.8cm (0.31inches) at blade. Teardrop shaped eye: 7.8 (3.07 inches) long, 1.7cm (0.67 inches) wide at top, 0.4cm (0.16 inches) wide at pointed forward end. Steel blade insert visible at eye, @ 0.3cm (0.12 inches) thick, estimated from visible portion only. Final Weight:2.1 kg (4.63 pounds)</p>	<p>Recovered in lab 05/29 /00. Second from top of five layers of axe heads. Right front, blade edge. No.60-05 was placed with its blade just beneath the blade of No.60-06, with axe head No.60-03 laying on top, and No.60-12 beneath inside Box No.60. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/24/00.Low current density:2Amp/2V @2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good, corrosion product still present after treatment.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-60-08 Wrought Iron Axe Head 02A.039.000060.0008</p> <p><i>See Axe 8SJ3478-60-01 above for group image of all axes in box.</i></p>	<p>Complete Maker's mark visible: "R. Boyd" with crossed axe pair. Mark on port side of blade (slightly shallow).</p> <p><u>Loa</u>: 19.0cm (7.48 inches); <u>width</u>: at blade 10.0cm (3.94 inches), at "ear" point: 9.7cm (3.82 inches), at poll: 8.5cm (3.35 inches); <u>thick</u>: 3.4cm (1.34inches) max (at poll) tapers to 0.4cm (0.2 inches) at blade. Roughly teardrop shaped eye: 6.7cm (2.64 inches) long, 1.2 cm (0.47 inches) wide at top, 1.5 cm (0.59 inches) wide at middle, 0.4cm (0.16 inches) wide at rounded forward end. No blade insert or fold line visible. Final Weight: 1.68kg (3.71pounds)</p>	<p>Recovered in lab 05/29 /00. Second from top of five layers of axe heads. Right rear, blade edge. No.60-08 was placed with its blade just beneath the blade of No.60-05, with axe head No.60-04 laying on top, and No.60-11 beneath inside Box No.60. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/24/00. Low current density: 2Amp/2V @ 2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good, surface corrosion has pitted starboard side surface of axe head.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-60-09 Wrought Iron Axe Head 02A.039.000060.0009</p> <p><i>See Axe 8SJ3478-60-01 above for group image of all axes in box.</i></p>	<p>Complete Maker's mark visible: "R. Boyd" with crossed axe pair. Mark on port side of blade.</p> <p><u>Loa</u>: 18.8cm (7.40 inches); <u>width</u>: at blade 10.0cm (3.94 inches), at "ear" point: 9.7cm (3.82 inches), at poll: 7.8cm (3.07 inches); <u>thick</u>: 3.5cm (1.38 inches) max (at poll) tapers to 0.4cm (0.2 inches) at blade. Roughly teardrop shaped eye: 8.6cm (3.39 inches) long, 1.6cm (0.63 inches) wide at top, 1.7 cm (0.67 inches) wide at middle, 0.4cm (0.16 inches) wide at rounded forward end. No blade insert or fold line visible. Final Weight: 2.01kg (4.4pounds)</p>	<p>Recovered in lab 05/29 /00. Third from top of five layers of axe heads. Left front, blade edge. No.60-09 was placed with its blade just beneath the blade of No.60-07, with axe head No.60-06 laying on top, and No.60-14 beneath inside Box No.60. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin: 07/24/00. Low current density: 2Amp/2V @ 2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good, axe head is corroded at poll.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-60-10 Wrought Iron Axe Head 02A.039.000060.0010</p> <p><i>See Axe 8SJ3478-60-01 above for group image of all axes in box.</i></p>	<p>Complete Maker's mark visible: "R. Boyd" with crossed axe pair. Mark on port side of blade, faint impression.</p> <p><u>Loa</u>: 19.0cm (7.48 inches); <u>width</u>: at blade 9.6cm (3.78 inches), at "ear" point: 9.7cm (3.82 inches), at poll: 8.5cm (3.35 inches); <u>thick</u>: 3.0cm (1.18inches) max (at poll) tapers to 0.4cm (0.2 inches) at blade. Roughly teardrop shaped eye: 8.2cm (3.23 inches) long, 1.6cm (0.63 inches) wide at top, 1.4 cm (0.55 inches) wide at middle, 0.4cm (0.16 inches) wide at rounded forward end. No blade insert or fold line visible. Final Weight: 1.95kg (4.3 pounds)</p>	<p>Recovered in lab 05/29/00. Third from top of five layers of axe heads. Left rear, blade edge. No.60-10 was placed with its blade just beneath the blade of No.60-08, with axe head No.60-05 laying on top, and No.60-13 beneath inside Box No.60. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin: 07/24/00. Low current density: 2Amp/2V @ 2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good, axe head shows some corrosion on surface after treatment.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-60-11 Wrought Iron Axe Head 02A.039.000060.0011</p> <p><i>See Axe 8SJ3478-60-01 above for group image of all axes in box.</i></p>	<p>Complete Maker's mark visible: "R. Boyd" with crossed axe pair. Mark on port side of blade, very good condition.</p> <p><u>Loa</u>: 18.9cm (7.44 inches); <u>width</u>: at blade 9.6cm (3.78 inches), at "ear" point:10.0cm (3.94 inches), at poll: 9.0cm (3.54inches); <u>thick</u>: 3.4cm (1.34 inches) max (at poll) tapers to 0.4cm (0.2 inches) at blade. Roughly teardrop shaped eye: 8.2cm (3.23 inches) long,1.3cm (0.51 inches) wide at top, 1.6 cm (0.63 inches) wide at middle, 0.4cm (0.16 inches) wide at rounded forward end. Fold line visible near eye. Blade appears brand new and unsharpened. Final Weight:1.89kg (4.16 pounds)</p>	<p>Recovered in lab 05/30/00. Third from top of five layers of axe heads. Right rear, blade edge. No.60-11 was placed with its blade just beneath the blade of No.60-10, with axe head No.60-08 laying on top, and No.60-18 beneath inside Box No.60. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/24/00.Low current density:2Amp/2V @2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: very good.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-60-12 Wrought Iron Axe Head 02A.039.000060.0012</p> <p><i>See Axe 8SJ3478-60-01 above for group image of all axes in box.</i></p>	<p>Axe surface is very pitted before treatment, no words legible in maker's mark which is on port side, R. Boyd and crossed axe pair legible after treatment.</p> <p><u>Loa</u>: 19.8cm (7.79 inches); <u>width</u>: at blade 10.8cm (4.25 inches), at "ear" point:10.2cm (4.01 inches), at poll: 8.8cm (3.46 inches); <u>thick</u>: 3.4cm (1.34 inches) max (at poll) tapers to 0.4cm (0.2 inches) at blade. Roughly teardrop shaped eye: 8.2cm (3.23 inches) long,1.6cm (0.63 inches) wide at top, 0.4cm (0.16 inches) wide at pointed forward end. No fold line or blade insert visible. Weight:1.798kg (3.6 pounds)</p>	<p>Recovered in lab 05/30/00. Third from top of five layers of axe heads. Right front, blade edge. No.60-12 was placed with its blade just beneath the blade of No.60-09, with axe head No.60-07 laying on top, and No.60-17 beneath inside Box No.60. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/24/00.Low current density:2Amp/2V @2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results:good, axe surface is pitted from corrosion.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-60-13 Wrought Iron Axe Head 02A.039.000060.0013</p> <p><i>See Axe 8SJ3478-60-01 above for group image of all axes in box.</i></p>	<p>Complete Maker's mark visible: "R. Boyd" with crossed axe pair. Mark on port side of blade, very good condition.</p> <p><u>Loa</u>: 18.6cm (7.32 inches); <u>width</u>: at blade 10.2cm (4.01 inches), at "ear" point: 10.2cm (4.01 inches), at poll: 8.5cm (3.54 inches); <u>thick</u>: 3.0cm (1.18 inches) max (at poll) tapers to 1.2cm (0.47 inches) at blade. Roughly teardrop shaped eye: 7.8cm (3.07 inches) long, 1.6 cm (0.63 inches) wide at top, 0.4cm (0.16 inches) wide at pointed forward end. No fold line visible. Blade appears brand new and unsharpened. Final Weight: 1.84kg (4.06 pounds)</p>	<p>Recovered in lab 05/30/00. Fourth from top of five layers of axe heads. Left rear, blade edge. No.60-13 was placed with its blade just beneath the blade of No.60-11, with axe head No.60-10 laying on top, and No.60-16 beneath inside Box No.60. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin: 07/24/00. Low current density: 2Amp/2V @ 2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-60-14 Wrought Iron Axe Head 02A.039.000060.0014</p> <p><i>See Axe 8SJ3478-60-01 above for group image of all axes in box.</i></p>	<p>Faint maker's mark on port side of blade reads "___YD" with no pair of crossed axe heads visible.</p> <p><u>Loa</u>: 19.0cm (7.48 inches); <u>width</u>: at blade 10.4cm (4.09 inches), at "ear" point: 9.8cm (3.85 inches), at poll: 8.0cm (3.15 inches); <u>thick</u>: 3.3cm (1.3 inches) max (at poll) tapers to 1.0cm (0.39 inches) at blade. Roughly teardrop shaped eye: 8.1cm (3.19 inches) long, 1.6cm (0.63 inches) wide at rounded top, 2.1cm (0.83 inches) wide at middle, 0.4cm (0.16 inches) wide at flat forward end. No blade insert visible, sharp crease at bottom fold line. Final Weight: 1.84kg (4.6 pounds)</p>	<p>Recovered in lab 05/30/00. Fourth from top of five layers of axe heads. Left front, blade edge. No.60-14 was placed with its blade just beneath the blade of No.60-12, with axe head No.60-09 laying on top, and No.60-15 beneath inside Box No.60. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin: 07/24/00. Low current density: 2Amp/2V @ 2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-60-15 Wrought Iron Axe Head 02A.039.000060.0015</p> <p><i>See Axe 8SJ3478-60-01 above for group image of all axes in box.</i></p>	<p>Entire axe surface is very pitted, leaving very visible steel bit insert. Marked "R BOYD" with crossed axe head pair on port side.</p> <p><u>Loa</u>: 19.8cm (7.79 inches); <u>width</u>: at blade 10.0cm (3.94 inches), at "ear" point: 8.8cm (3.42 inches), at poll: 7.5cm (2.95 inches); <u>thick</u>: 3.8cm (1.5 inches) max (at poll) tapers to 0.7cm (0.27 inches) at blade. Insert measures 2.5cm (0.98 inches) long and 10.0cm (3.94 inches) wide. Roughly teardrop shaped eye: 8.1cm (3.19 inches) long, 2.1cm (0.83 inches) wide at top, 2.1cm (0.83 inches) wide at middle, 0.4cm (0.16 inches) wide at pointed forward end. Blade insert visible at tip. Final Weight: 1.94kg (4.3 pounds)</p>	<p>Recovered in lab 05/31/00. Second to last of five layers of axe heads. Left front, blade edge. No.60-15 was beneath axe head No.60-14, No.60-19 below inside Box No.60. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin: 07/24/00. Low current density: 2Amp/2V @ 2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good, outer surface is very corroded, very nice detail visible of steel bit inserted between fold during construction.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-60-16 Wrought Iron Axe Head 02A.039.000060.0016</p> <p><i>See Axe 8SJ3478-60-01 above for group image of all axes in box.</i></p>	<p>Marked "R BOYD" with crossed axe head pair on port side, very faint, indistinguishable without information from other axe heads.</p> <p><u>Loa</u>: 18.8cm (7.40 inches); <u>width</u>: at blade 10.0cm (3.94 inches), at "ear" point:9.6cm (3.78 inches), at poll: 7.6cm (2.99 inches); <u>thick</u>:3.3cm (1.3 inches) max (at poll) tapers to 0.7cm (0.27 inches) at blade. Roughly teardrop shaped eye: 8.1cm (3.19 inches) long,2.1cm (0.83 inches) wide at top, 2.1cm (0.83 inches) wide at middle, 0.4cm (0.16 inches) wide at pointed forward end. Blade insert visible at tip. Final Weight:2.0kg (4.4 pounds)</p>	<p>Recovered in lab 05/31/00. Second to last of five layers of axe heads. Left rear, blade edge. No.60-16 was beneath axe head No.60-13, No.60-20 below inside Box No.60. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/24/00.Low current density:2Amp/2V @2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-60-17 Wrought Iron Axe Head 02A.039.000060.0017</p> <p><i>See Axe 8SJ3478-60-01 above for group image of all axes in box.</i></p>	<p>Marked “_ BOYD” with crossed axe head pair on port side. Mark area is corroded post-treatment.</p> <p><u>Loa</u>: 18.8cm (7.4 inches); <u>width</u>: at blade 9.6cm (3.78 inches), at “ear” point: 9.5cm (3.74 inches), at poll: 7.7cm (3.03 inches); <u>thick</u>: 3.5cm (1.38 inches) max (at poll) tapers to 0.7cm (0.27 inches) at blade. Oval shaped eye: 7.0cm (2.75 inches) long, 1.8cm (0.71 inches) wide at top, 2.0cm (0.79 inches) wide at middle, 1.8cm (0.71 inches) wide at flattened pointed forward end. No blade insert or fold line visible. Final Weight: 2.0kg (4.4 pounds)</p>	<p>Recovered in lab 05/31/00. Last of five layers of axe heads. Right front, blade edge. No.60-17 was beneath axe head No.60-12 inside Box No.60. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin: 07/24/00. Low current density: 2Amp/2V @ 2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-60-18 Wrought Iron Axe Head 02A.039.000060.0018</p> <p><i>See Axe 8SJ3478-60-01 above for group image of all axes in box.</i></p>	<p>Marked "R BOYD" with crossed axe head pair on port side. Mark area is very faint.</p> <p><u>Loa</u>: 19.8cm (7.8 inches); <u>width</u>: at blade 10.89.6cm (4.25 inches), at "ear" point: 9.5cm (3.74 inches), at poll: 7.4cm (2.91 inches); <u>thick</u>:3.5cm (1.38 inches) max (at poll) tapers to 0.7cm (0.27 inches) at blade. Teardrop shaped eye: 7.8cm (3.07 inches) long, 1.8cm (0.71 inches) wide at top, 1.8cm (0.71 inches) wide at middle, 0.71cm (0.27 inches) wide at flattened forward end. Blade insert is visible. Final Weight:2.1kg (4.6 pounds)</p>	<p>Recovered in lab 05/31/00. Last of five layers of axe heads. Right rear, blade edge. No.60-18 was beneath axe head No.60-11 inside Box No.60. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/24/00.Low current density:2Amp/2V @2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-60-19 Wrought Iron Axe Head 02A.039.000060.0019</p> <p><i>See Axe 8SJ3478-60-01 above for group image of all axes in box.</i></p>	<p>Marked “_ BOY_” with very faint crossed axe heads prior to treatment.</p> <p><u>Loa</u>: 19.0cm (7.5 inches); <u>width</u>: at blade 9.7cm (3.82 inches), at “ear” point: 9.0cm (3.54 inches), at poll: 7.4cm (2.91 inches); <u>thick</u>:3.0cm (1.18 inches) max (at poll) tapers to 0.7cm (0.27 inches) at blade. Teardrop shaped eye:7.4cm (2.91 inches) long, 2.1cm (0.83 inches) wide at top, 1.8cm (0.7 inches) wide at middle, 0.2cm (0.08 inches) wide at pointed forward end. No blade insert visible. Final Weight:2.1kg (4.6 pounds)</p>	<p>Recovered in lab 05/31/00. Last of five layers of axe heads. Left front, blade edge. No.60-19 was beneath axe head No.60-15 inside Box No.60. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/24/00.Low current density:2Amp/2V @2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good.</p>


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-60-20 Wrought Iron Axe Head 02A.039.000060.0020</p> <p><i>See Axe 8SJ3478-60-01 above for group image of all axes in box.</i></p>	<p>Was marked with “__OYD” where maker mark was seen on port side before treatment. After treatment entire are where mark would have been is missing.</p> <p><u>Loa</u>: 19.0cm (7.5 inches); <u>width</u>: at blade 9.5cm (2.95 inches), at “ear” point: 9.0cm (3.54 inches), at poll: 7.0cm (2.75 inches); <u>thick</u>:3.0cm (1.18 inches) max (at poll) tapers to 0.7cm (0.27 inches) at blade. Teardrop shaped eye: 6.4cm (2.52 inches) long, 2.1cm (0.83 inches) wide at top, 1.8cm (0.7 inches) wide at middle, 0.2cm (0.08 inches) wide at pointed forward end. No blade insert visible. Final Weight:1.75kg (3.86 pounds)</p>	<p>Recovered in lab 05/31/00. Last of five layers of axe heads. Left rear, blade edge. No.60-20 was beneath axe head No.60-16 inside Box No.60. See digital photos in conservation file for exact placement information.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/24/00.Low current density:2Amp/2V @2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good, large section of surface iron missing on port side of axe head.</p>


SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
8SJ3478-60-21 Lead 0.69 caliber musket shot Quantity:5 02A.039.000060.0021-0025 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Recovered in lab from axe box No.60	see 8SJ3478-07 for treatment
8SJ3478-61-01 Lead 0.69 caliber musket shot Quantity:26 02A.039.000061.0001; 02A.039.000061.0022-0046 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	From axe box No.61, excavated in lab 3/06/00, with axe heads and brass pins No.61-02 on surface of broken <i>in situ</i> box. Crate 61, distance from Datum B: 4.4m,4.11m.3.95m; Datum E: 1.05m,1.28m,1.13m;DBD125-119cm.	see 8SJ3478-07 for treatment


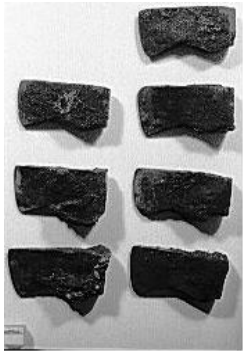
SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-61-02 Brass Straight Pins Quantity: 16 02A.039.000061.0002</p> 	<p>Brass pin length: 3.1cm (1.2 inches) overall, wire thickness: 0.1cm (0.04 inches) thick, head thickness: 0.25cm(0.09 inches) @ 2 wraps visible.</p>	<p>Field Recovery Date: 08/25/99. Crate 61, distance from Datum B: 4.4m,4.11m.3.95m; Datum E: 1.05m,1.28m,1.13 m;DBD125-119cm. Crate was excavated in lab 03/06/00. Pins were in concreted sediment matrix between axe heads.</p>	<p>Begin standard ER 04/00- 4 weeks, electrolyte 2% sodium hydroxide. Complete, rinsed in boiling rinse, surface treated with BTA, sealed with Acryloid-B72.</p>

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SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-61-03 Tuck Trowel: Wooden Handle, Original Partial Iron Blade & Cast Complete Blade (03R) 02A.039.000061.0003</p> 	<p>Handle measurements: LOA:14.2cm (5.6 inches), Handle is rounded, worn to fit into hand, widest finished end measures 4.0cm (1.57 inches) x 3.35cm (1.32 inches) around for 12.2cm (4.8 inches) of length, before being cut down to smaller diameter of 2.8cm (1.1 inches), where an iron band or ferrule was fitted. Inserted into the handle was an iron tang, rectangular in cross-section .92cm (0.36 inches) x 1.5cm (0.6 inches). Tool itself bent down from tang, tool blade curved to measured length of @ 7.0cm (2.75 inches) long, by 1.5cm (0.6 inches) wide, 0.3cm (0.12 inches) thick.</p>	<p>From axe box No.61, excavated in lab 3/06/00, with axe heads and brass pins No.61-02 on surface of broken <i>in situ</i> box. Crate 61, distance from Datum B: 4.4m,4.11m.3.95m; Datum E: 1.05m,1.28m,1.13 m;DBD125-119cm. Crate 61, distance from Datum B: 4.4m,4.11m.3.95m; Datum E: 1.05m,1.28m,1.13 m;DBD:125-119cm.</p>	<p>Original Blade:Texas A&M:CRL. Standard Electrolytic Reduction. Electrolyte Solution 2%NaOH. Begin 7/00. Low current density 7/17/00 - 08/25/00. Mechanically cleaned, then continued through 09/05/0000 (2 amp/2Volt. Medium current density 09/05-09/11 (10 amp/3volt). One week boiling rinse 09/11/00-09/18-00. Two coats of tannic acid. Coated in microcrystalline was 09/19/00-09/22/00. Results:Good. Replica blade, cast with epoxy by HDW. Wooden handle separated from original blade, after series of fresh water rinses treated with silicone.</p>


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SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-61-04 Wrought Iron Axe Head 02A.039.000061.0004</p>  <p>Axe Heads 61-04,05 & 06 <i>in situ</i></p>  <p>61-04 61-05 61-06 61-08 61-10 61-11 61-13</p>	<p>Words in mark are illegible. Crossed axe heads appear very faintly on the port side of the axe head.</p> <p><u>Loa</u>: 18.0cm (7.1 inches); <u>width</u>: at blade 9.7cm (3.81 inches), at "ear" point: 9.0cm (3.54 inches), at poll: 7.7cm (3.03 inches); <u>thick</u>: 3.0cm (1.18 inches) max (at poll) tapers sharply to 0.2cm (0.08 inches) at blade. Teardrop shaped eye: 7.3cm (2.87 inches) long, 1.8cm (0.7 inches) wide at flat top, 0.2cm (0.08 inches) wide at pointed forward end. No blade insert visible, blade looks brand new and unsharpened. Final Weight: 1.81kg (4.0 pounds)</p>	<p>Recovered in lab 03/06/00. Single axe head removed from broken wooden crate No.61, along with 13 other similar axe heads and 26 0.69 caliber shot(61-01), 17 brass straight pins (61-02&12), one trowel w/ handle (61-03), and one silver button (61-09). Near boxes No.59 & 60. Crate 61, distance from Datum B: 4.4m,4.11m.3.95m; Datum E: 1.05m,1.28m,1.13 m;DBD125-119cm.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/24/00.Low current density:2Amp/2V @2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-61-05 Wrought Iron Axe Head 02A.039.000061.0005</p> <p><i>See 8SJ3478-61-04 above for group image.</i></p>	<p>Words in mark show “__OYD” and very faint pair of crossed axe heads on port side.</p> <p><u>Loa</u>: 18.0cm (7.1 inches); <u>width</u>: at blade 9.5cm (3.74 inches), at “ear” point: 9.0cm (3.54 inches), at poll: 7.3cm (2.87 inches); <u>thick</u>:3.0cm (1.18 inches) max (at poll) tapers sharply to 0.2cm (0.08 inches) at blade. Rounded teardrop shaped eye: 7.3cm (2.87 inches) long, 1.8cm (0.7 inches) wide at top, 0.4cm (0.16 inches) wide at pointed forward end. No blade insert visible. Final Weight:2.05kg (4.5 pounds)</p>	<p>Recovered in lab 03/07/00. Single axe head removed from broken wooden crate No.61, along with 13 other similar axe heads and 26 0.69 caliber shot(61-01), 17 brass straight pins (61-02&12), one trowel w/ handle (61-03), and one silver button (61-09). Near boxes No.59 & 60. Crate 61, distance from Datum B: 4.4m,4.11m.3.95m; Datum E: 1.05m,1.28m,1.13 m;DBD125-119cm.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/24/00.Low current density:2Amp/2V @2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-61-06 Wrought Iron Axe Head 02A.039.000061.0006</p> <p><i>See 8SJ3478-61-04 above for group image.</i></p>  <p>Axe head 61-06 being removed.</p>	<p>Pretreatment words in mark show “_BOYD” and very faint pair of crossed axe heads on port side of blade. Axe heads are missing post-conservation.</p> <p><u>Loa</u>: 18.5cm (7.3 inches); <u>width</u>: at blade 9.5cm (3.74 inches), at “ear” point: 8.6cm (3.38 inches), at poll: 7.1cm (2.8 inches); <u>thick</u>:3.4cm (1.34 inches) max (at poll) tapers to 0.4cm (0.16 inches) at blade. Roughly teardrop shaped eye: 8.0cm (3.15 inches) long, 1.8cm (0.7 inches) wide at top, 0.4cm (0.16 inches) wide at pointed forward end. No blade insert visible. Final Weight:1.82kg (4.0 pounds)</p>	<p>Recovered in lab 03/07/00. Single axe head removed from broken wooden crate No.61, along with 13 other similar axe heads and 26 0.69 caliber shot(61-01), 17 brass straight pins (61-02&12), one trowel w/ handle (61-03), and one silver button (61-09). Near boxes No.59 & 60. Crate 61, distance from Datum B: 4.4m,4.11m.3.95m; Datum E: 1.05m,1.28m,1.13 m;DBD125-119cm.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/24/00.Low current density:2Amp/2V @2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good.</p>

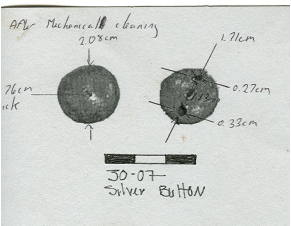
SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
8SJ3478-61-07 Iron Fastener-Hollow Incomplete Mold- No information recovered De-accessioned 07/03/00		Recovered in lab 03/07/00. Single encrustation of fastener removed from broken wooden crate No.61, along with 13 other similar axe heads and 26 0.69 caliber shot(61-01), 17 brass straight pins (61-02&12), one trowel w/ handle (61-03), and one silver button (61-09). Near boxes No.59 & 60. Crate 61, distance from Datum B: 4.4m,4.11m.3.95m; Datum E: 1.05m,1.28m,1.13 m;DBD125-119cm.	Texas A&M-CRL:Attempted to cast mold, incomplete, drawn only.

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-61-08 Wrought Iron Axe Head 02A.039.000061.0008</p> <p><i>See 8SJ3478-61-04 above for group image.</i></p>	<p>Maker's mark show "R BOYD" and very only one of pair of crossed axe heads. "R" is missing post-treatment. Stamp is on starboard side of blade. Bit is visible. Blade looks new and unsharpened.</p> <p><u>Loa</u>: 19.2cm (7.56 inches); <u>width</u>: at blade 9.7cm (3.82 inches), at "ear" point: 9.2cm (3.62 inches), at poll: 8.0cm (3.15 inches); <u>thick</u>: 3.2cm (1.26 inches) max (at poll) tapers to 0.4cm (0.16 inches) at blade. Teardrop shaped eye: 8.0cm (3.15 inches) long, 1.6cm (0.63 inches) wide at rounded top, 0.2cm (0.08 inches) wide at sharply pointed forward end. Blade insert visible. Final Weight: 2.05kg (4.5 pounds)</p>	<p>Recovered in lab 03/08/00. Single axe head removed from broken wooden crate No.61, along with 13 other similar axe heads and 26 0.69 caliber shot(61-01), 17 brass straight pins (61-02&12), one trowel w/ handle (61-03), and one silver button (61-09). Near boxes No.59 & 60. Crate 61, distance from Datum B: 4.4m, 4.11m, 3.95m; Datum E: 1.05m, 1.28m, 1.13 m; DBD 125-119cm.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin: 07/24/00. Low current density: 2Amp/2V @ 2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good. Latex cast made of maker's mark pre-treatment.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (Franklin 2005)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-61-09 Silver Button 02A.039.000061.0009</p>  <p>APV Mechanical cleaning 2.08cm 1.76cm 0.27cm 0.33cm 1.13cm 30-07- Silver Button</p>	<p>Button: Top, outer diameter: 2.08cm (0.82 inches). Bottom diameter: 1.71cm (0.67 inches). Thickness: 0.76cm (0.3 inches). Two holes in bottom measure 0.27cm (0.1 inches) d & 0.33cm (0.12 inches) d. Eye brazed or soldered: 1.13cm (0.44 inches) d.</p>	<p>Single silver button recovered from broken wooden crate No.61, along with 14 axe heads, 26 0.69 caliber shot(61-01), 17 brass straight pins (61-02&12), one trowel w/ handle (61-03), Near boxes No.59 & 60. Crate 61, distance from Datum B: 4.4m, 4.11m, 3.95m; Datum E: 1.05m, 1.28m, 1.13m; DBD 125-119cm.</p>	<p>Texas A&M, CRL. Treated in alkaline dithionite: 6/00. Coated with Acryloid B-72. Results: Good.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-61-10 Wrought Iron Axe Head 02A.039.000061.0010</p> <p><i>See 8SJ3478-61-04 above for group image.</i></p>	<p>Maker's mark show "R BO__" and no pair of crossed axe heads. "R" is missing post-treatment. Stamp is on port side of blade.</p> <p><u>Loa</u>: 19.0cm (7.5 inches); <u>width</u>: at blade 10.1cm (3.98 inches), at "ear" point: 9.2cm (3.62 inches), at poll: 6.8cm (2.67 inches); <u>thick</u>: 3.2cm (1.26 inches) max (at poll) tapers to sharp point 0.2cm (0.08 inches) at blade. Teardrop shaped eye: 7.5cm (3.0 inches) long, 1.6cm (0.63 inches) wide at rounded top, 0.2cm (0.08 inches) wide at sharply pointed forward end. No blade insert visible, fold line is clear. Final Weight: 1.93kg (4.3 pounds)</p>	<p>Recovered in lab 03/22/00. Single axe head removed from broken wooden crate No.61, along with 13 other similar axe heads and 26 0.69 caliber shot(61-01), 17 brass straight pins (61-02&12), one trowel w/ handle (61-03), and one silver button (61-09). Near boxes No.59 & 60. Crate 61, distance from Datum B: 4.4m, 4.11m. 3.95m; Datum E: 1.05m, 1.28m, 1.13 m; DBD 125-119cm.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin: 07/24/00. Low current density: 2Amp/2V @ 2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good. Latex cast made of maker's mark (pre-treatment).</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-61-11 Wrought Iron Axe Head 02A.039.000061.0011</p> <p><i>See 8SJ3478-61-04 above for group image.</i></p>	<p>Was marked with "R BOYD" and pair of crossed axes on port side before treatment. After treatment entire are where mark would have been is missing.</p> <p><u>Loa</u>: 19.0cm (7.5 inches); <u>width</u>: at blade 10.1cm (3.98 inches), at "ear" point: 8.5cm (3.35 inches), at poll: 7.0cm (2.75 inches); <u>thick</u>: 3.0cm (1.18 inches) max (at poll) tapers to sharp point 0.2cm (0.08 inches) at blade. Teardrop shaped eye: 7.7cm (3.03 inches) long, 1.81cm (0.7 inches) wide at flattened top, 1.8cm (0.7 inches) wide at middle, 0.4cm (0.16 inches) wide at forward end. No blade insert visible, blade looks new. Final Weight: 1.84kg (4.06 pounds)</p>	<p>Recovered in lab 03/22/00. Single axe head removed from broken wooden crate No.61, along with 13 other similar axe heads and 26 0.69 caliber shot(61-01), 17 brass straight pins (61-02&12), one trowel w/ handle (61-03), and one silver button (61-09). Near boxes No.59 & 60. Crate 61, distance from Datum B: 4.4m, 4.11m, 3.95m; Datum E: 1.05m, 1.28m, 1.13 m; DBD 125-119cm.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin: 07/24/00. Low current density: 2Amp/2V @ 2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good, surface area on port side missing after treatment.</p>



SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
8SJ3478-61-12 Brass Straight Pin Deaccessioned 5/05			

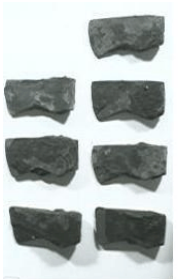
SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-61-13 Wrought Iron Axe Head 02A.039.000061.0013</p> <p><i>See 8SJ3478-61-04 above for group image.</i></p>	<p>Was marked with “__OYD”, no pair of crossed axes visible. Mark is on port side, visible only after mechanical cleaning and electrolysis.</p> <p><u>Loa</u>: 18.6cm (7.32 inches); <u>width</u>: at blade 10.2cm (4.01 inches), at “ear” point: 9.2cm (3.62 inches), at poll: 7.4cm (2.91 inches); <u>thick</u>:3.4cm (1.31 inches) max (at poll) tapers to sharp point 0.2cm (0.08 inches) at blade. Teardrop shaped eye: 7.7cm (3.03 inches) long, 1.81cm (0.7 inches) wide at flattened top, 1.8cm (0.7 inches) wide at middle, 0.4cm (0.16 inches) wide at pointed forward end. No blade insert visible. Final Weight:2.07kg (4.6 pounds)</p>	<p>Recovered in lab 03/22/00. Single axe head removed from broken wooden crate No.61, along with 13 other similar axe heads and 26 0.69 caliber shot(61-01), 17 brass straight pins (61-02&12), one trowel w/ handle (61-03), and one silver button (61-09). Near boxes No.59 & 60. Crate 61, distance from Datum B: 4.4m,4.11m.3.95m; Datum E: 1.05m,1.28m,1.13 m;DBD125-119cm.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/24/00.Low current density:2Amp/2V @2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good. Latex cast made of maker’s mark (pre-treatment).</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-61-14 Bottom & One Side Panel of Wooden Crate: 14 axe heads attached by concretion 02A.039.000061.0014</p> 	<p>Opened & concreted: 50cm (19.7 inches) x 46cm (18.1 inches) x 13cm (5.1 inches) Original wooden panels the same size as crates No.ed 59 & 60.</p>  <p>Empty Crate No.61: Before silicone conservation treatment is begun.</p>	<p>Recovery date:08/25/99. Associations: southeast trench, near crates No.59 & No.60. Datum B:4.4m to NE corner, 4.11m to SE corner & 3.95m to SW corner. Datum E: 1.05m to NE corner, 1.28m to SE corner, 1.13m to SW corner. DBD: 1.19-1.25cm.</p>	<p>Conservation: Texas A&M University CRL: Fresh Water Rinse & Storage through 02/00. Mechanically cleaned with air scribe, all concreted objects and axe heads photographed and removed through 3/00. Cleaned crate into continuous fresh water rinse cycle. Iron fasteners were documented by drawing only. Molds were incomplete-too soft to cast. Wood & withy id'd by Lee Newsom as too impregnated with iron to thin section for positive identification:" definitely a hardwood and strongly suggestive of oak, genus <i>Quercus</i> sp." (Newsom 2003). Wooden crate parts undergo silicone infusion treatment at CRL with very good results (silicone oil: MTMS solution cross-linked with <i>Dow 6070</i> or DBDTA (see Smith 1997).</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS								
<p>8SJ3478-61-15 Wrought Iron Axe Head</p> <p>02A.039.000061.0015</p>  <table border="1" data-bbox="472 760 663 1052"> <tr> <td></td> <td>61-15</td> </tr> <tr> <td>61-16</td> <td>61-17</td> </tr> <tr> <td>61-18</td> <td>61-19</td> </tr> <tr> <td>61-20</td> <td>61-21</td> </tr> </table>		61-15	61-16	61-17	61-18	61-19	61-20	61-21	<p>Was marked with stamp where words should be, and edge only of one axe head on port side of blade.</p> <p><u>Loa</u>: 19.0cm (7.48 inches); <u>width</u>: at blade 9.8cm (3.86 inches), at "ear" point: 9.0cm (3.54 inches), at poll: 7.4cm (2.91 inches); <u>thick</u>: 3.4cm (1.31 inches) max (at poll) tapers to sharp point 0.2cm (0.08 inches) at blade. Teardrop shaped eye: 8.3cm (3.27 inches) long, 2.0cm (0.79 inches) wide at flattened top, 1.8cm (0.7 inches) wide at middle, 0.2cm (0.08 inches) wide at pointed forward end. No blade insert visible, blade looks new and unsharpened. Final Weight: 1.99kg (4.4 pounds)</p>	<p>Recovered in lab 04/03/00. Single axe head removed from broken wooden crate No.61, along with 13 other similar axe heads and 26 0.69 caliber shot(61-01), 17 brass straight pins (61-02&12), one trowel w/ handle (61-03), and one silver button (61-09). Near boxes No.59 & 60. Crate 61, distance from Datum B: 4.4m, 4.11m, 3.95m; Datum E: 1.05m, 1.28m, 1.13 m; DBD 125-119cm.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin: 07/24/00. Low current density: 2Amp/2V @ 2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good. Latex cast made of maker's mark (pre-treatment).</p>
	61-15										
61-16	61-17										
61-18	61-19										
61-20	61-21										

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-61-16</p> <p>Wrought Iron Axe Head</p> <p>02A.039.000061.0016</p> <p><i>See 8SJ3478-61-15 above for group photo.</i></p>	<p>Was marked with "R BOYD " and pair of crossed axe heads on port side.</p> <p><u>Loa</u>: 18.6cm (7.32 inches); <u>width</u>: at blade 9.5cm (3.74 inches), at "ear" point: 8.5cm (3.35 inches), at poll: 7.4cm (2.91 inches); <u>thick</u>:3.4cm (1.31 inches) max (at poll) tapers to sharp point 0.2cm (0.08 inches) at blade. Teardrop shaped eye: 8.2cm (3.22 inches) long, 1.7cm (0.67 inches) wide at flattened top, 02cm (0.08 inches) wide at pointed forward end. No blade insert visible, axe head looks brand new, blade looks unsharpened. Final Weight:1.93kg (4.26 pounds)</p>	<p>Recovered in lab 04/03/00. Single axe head removed from broken wooden crate No.61, along with 13 other similar axe heads and 26 0.69 caliber shot(61-01), 17 brass straight pins (61-02&12), one trowel w/ handle (61-03), and one silver button (61-09). Near boxes No.59 & 60. Crate 61, distance from Datum B: 4.4m,4.11m.3.95m; Datum E: 1.05m,1.28m,1.13 m;DBD125-119cm.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/24/00.Low current density:2Amp/2V @2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-61-17 Wrought Iron Axe Head 02A.039.000061.0017</p> <p><i>See 8SJ3478-61-15 above for group photo.</i></p>	<p>Was marked with "R BOYD " and pair of crossed axe heads on port side.</p> <p><u>Loa</u>: 19.5cm (7.67 inches); <u>width</u>: at blade 10.0cm (3.94 inches), at "ear" point: 8.1cm (3.19 inches), at poll:6.7cm (2.64 inches); <u>thick</u>: 2.9cm (1.14 inches) max (at poll) tapers to sharp point 0.2cm (0.08 inches) at blade. Teardrop shaped eye: 7.5cm (2.95 inches) long, 1.7cm (0.67 inches) wide at flattened top, 02cm (0.08 inches) wide at pointed forward end. No blade insert visible, axe head looks brand new, blade looks unsharpened. Best preserved example. Final Weight:1.93kg (4.26 pounds)</p>	<p>Recovered in lab 04/03/00. Single axe head removed from broken wooden crate No.61, along with 13 other similar axe heads and 26 0.69 caliber shot(61-01), 17 brass straight pins (61-02&12), one trowel w/ handle (61-03), and one silver button (61-09). Near boxes No.59 & 60. Crate 61, distance from Datum B: 4.4m,4.11m.3.95m; Datum E: 1.05m,1.28m,1.13 m;DBD125-119cm.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/24/00.Low current density:2Amp/2V @2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-61-18 Wrought Iron Axe Head 02A.039.000061.0018</p> <p><i>See 8SJ3478-61-15 above for group photo.</i></p>	<p>Mark on port side-illegible.</p> <p><u>Loa</u>: 19.0cm (7.48 inches); <u>width</u>: at blade 10.5cm (4.13 inches), at "ear" point: 9.6cm (3.78 inches), at poll:7.4cm (2.91 inches); <u>thick</u>: 2.5cm (0.98 inches) max (at poll) tapers to sharp point 0.2cm (0.08 inches) at blade. Teardrop shaped eye: 8.6cm (3.38 inches) long, 1.2cm (0.47 inches) wide at rounded, 0.2cm (0.08 inches) wide at pointed forward end. No blade insert visible, axe head looks brand new, fold line is visible. Final Weight:1.86kg (4.12 pounds)</p>	<p>Recovered in lab 04/03/00. Single axe head removed from broken wooden crate No.61, along with 13 other similar axe heads and 26 0.69 caliber shot(61-01), 17 brass straight pins (61-02&12), one trowel w/ handle (61-03), and one silver button (61-09). Near boxes No.59 & 60. Crate 61, distance from Datum B: 4.4m,4.11m.3.95m; Datum E: 1.05m,1.28m,1.13 m;DBD125-119cm.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/24/00.Low current density:2Amp/2V @2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-61-19 Wrought Iron Axe Head 02A.039.000061.0019</p> <p><i>See 8SJ3478-61-15 above for group photo.</i></p>	<p>Was marked with “_ BOY_ “ and faint handles of crossed axe heads on port side.</p> <p><u>Loa</u>: 19.6cm (7.71 inches); <u>width</u>: at blade 10.2cm (4.01 inches), at “ear” point: 9.8cm (3.86 inches), at poll: 7.15cm (2.81 inches); <u>thick</u>: 2.7cm (1.06 inches) max (at poll) tapers to sharp point 0.2cm (0.08 inches) at blade. Teardrop shaped eye: 7.5cm (2.95 inches) long, 1.7cm (0.67 inches) wide at flattened top, 02cm (0.08 inches) wide at pointed forward end. No blade insert visible, axe head looks brand new, blade looks unsharpened. Fold line is visible. Final Weight:2.1kg (5 pounds)</p>	<p>Recovered in lab 04/03/00. Single axe head removed from broken wooden crate No.61, along with 13 other similar axe heads and 26 0.69 caliber shot(61-01), 17 brass straight pins (61-02&12), one trowel w/ handle (61-03), and one silver button (61-09). Near boxes No.59 & 60. Crate 61, distance from Datum B: 4.4m,4.11m.3.95m; Datum E: 1.05m,1.28m,1.13 m;DBD125-119cm.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/24/00.Low current density:2Amp/2V @2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-61-20 Wrought Iron Axe Head 02A.039.000061.0020</p> <p><i>See 8SJ3478-61-15 above for group photo.</i></p>	<p>No words in maker's mark, only 1 axe of crossed pair visible on port side of blade.</p> <p><u>Loa</u>: 18.6cm (7.71 inches); <u>width</u>: at blade 9.4cm (3.7 inches), at "ear" point: 8.2cm (3.22 inches), at poll: 7.0cm (2.75 inches); <u>thick</u>: 3.4cm (1.34 inches) max (at poll) tapers to sharp point 0.2cm (0.08 inches) at blade. Teardrop shaped eye: 8.2cm (3.22 inches) long, 1.7cm (0.67 inches) wide at rounded top, 0.2cm (0.08 inches) wide at pointed forward end. No blade insert visible. Final Weight: 18.1kg (3.99 pounds)</p>	<p>Recovered in lab 04/03/00. Single axe head removed from broken wooden crate No.61, along with 13 other similar axe heads and 26 0.69 caliber shot(61-01), 17 brass straight pins (61-02&12), one trowel w/ handle (61-03), and one silver button (61-09). Near boxes No.59 & 60. Crate 61, distance from Datum B: 4.4m, 4.11m, 3.95m; Datum E: 1.05m, 1.28m, 1.13 m; DBD 125-119cm.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin: 07/24/00. Low current density: 2Amp/2V @ 2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good, surface missing on port side post- treatment..</p>

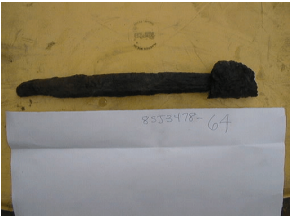
SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-61-21 Wrought Iron Axe Head 02A.039.000061.0021</p> <p><i>See 8SJ3478-61-15 above for group photo.</i></p>	<p>Was marked with “_ _OY_ “ and faint handles of crossed axe heads on port side.</p> <p><u>Loa</u>: 18.8cm (7.4 inches); <u>width</u>: at blade 10.2cm (4.01 inches), at “ear” point: 9.2cm (3.62 inches), at poll: 7.15cm (2.81 inches); <u>thick</u>: 2.7cm (1.06 inches) max (at poll) tapers to sharp point 0.2cm (0.08 inches) at blade. Teardrop shaped eye: 7.8cm (3.07 inches) long, 1.7cm (0.67 inches) wide at flattened top, 02cm (0.08 inches) wide at pointed forward end. Axe head looks brand new, blade unsharpened. Fold line is visible, portion of bit may be visible near eye. Final Weight: 1.83kg (4.04 pounds)</p>	<p>Recovered in lab 04/03/00. Single axe head removed from broken wooden crate No.61, along with 13 other similar axe heads and 26 0.69 caliber shot(61-01), 17 brass straight pins (61-02&12), one trowel w/ handle (61-03), and one silver button (61-09). Near boxes No.59 & 60. Crate 61, distance from Datum B: 4.4m,4.11m.3.95m; Datum E: 1.05m,1.28m,1.13 m;DBD125-119cm.</p>	<p>Texas A&M-CRL: Standard Electrolytic Reduction, Electrolyte: 2% NaOH, Anode: Mild Steel. Begin:07/24/00.Low current density:2Amp/2V @2 month, medium current density: 7Amp/3V @ 1 months, high current density 20 Amp/5V @ 4month. Objects removed, mechanically cleaned, placed in boiling rinse of fresh water for 6 days. Coated with tannic acid & placed in boiling microcrystalline wax for 4 days. Results: good, metal missing at bottom of poll.</p>

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (Franklin 2005)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
8SJ3478-62 Lead 0.69 caliber musket shot Quantity:137 02A.039.000062.0001-0137 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Recovery: 8/25/99, under and around axe box No.61	see 8SJ3478-07 for treatment
8SJ3478-63 Lead 0.69 caliber musket shot Quantity:7 02A.039.000063.0001-0007 see 8SJ3478-07 for image	0.69 inches d (1.75cm)	Recovery: 8/24/99 near axe box No.59	see 8SJ3478-07 for treatment

SOAR SITE 8SJ3478 ARTIFACT CATALOGUE (*Franklin 2005*)

SOAR & FLORIDA ARTIFACT NUMBERS	DIMENSIONS	RECOVERY & ASSOCIATIONS	CONSERVATION, ID & ANALYSIS
<p>8SJ3478-64 drawknife blade 02A.039.000064.0001 02A.039.000064.0002</p> 	<p>Blade and rope fiber handle of possible drawknife. Blade overall preserved length: 24 cm (9.45 inches), width at center: 2.6cm (1.02 inches), width at either end: 1.8cm (0.7 inches); thickness varies between 0.8cm (0.31 inches) at center to 0.6cm (0.19 inches) at ends. Rope fiber handle recovered on one end only, but way blade tapers suggests there might have been another handle. Handle fit onto 4.0cm (1.57 inches) length of blade.</p>	<p>Recovered in concretion from cooking pot No.38 (which was recovered in 07/99) from southeastern trench nestled in anchors. Concretion was cleaned and recovered in lab 6/00.</p>	<p>Blade: Texas A&M:CRL. Standard Electrolytic Reduction. Electrolyte Solution 2%NaOH. Begin 7/00. Low current density 7/17/00 - 08/25/00. Mechanically cleaned, then continued through 09/05/0000 (2 amp/2Volt. Medium current density 09/05-09/11 (10 amp/3volt). One week boiling rinse 09/11/00-09/18-00. Two coats of tannic acid. Coated in microcrystalline was 09/19/00-09/22/00. Organic handle-treated with silicone. Results:Good.</p>