August 2014   88631
New items for conservation – Cannon fragments.

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WA5001 & WA5005

Have been in wet storage for a year?
Some signs of surface lifting.
(crate takes 3.5 – 4 buckets of water)

26.08.2014:   - significant amounts of flash rusting.
              - Cl^- levels very high.
27.08.2014:   - several larger fragments found in the bottom of the crate
                (retained in a 'Netlon' bag).
              - water changed for (hot, fresh) deoxygenated tap water.
17.09.2014:   - significant amounts of flash rusting.
              - Cl^- levels very high.
01.10.2014:   - as much as possible of flash rusting removed.
              - water changed for fresh tap water.
14.10.2014:   - Cl^- levels dropping.
15.10.2014:   - as much as possible of flash rusting removed.
              - water changed for fresh tap water.
20.11.2014:   - significant amounts of flash rusting.
              - Cl^- levels rising.
              - water changed for fresh tap water.
17.12.2014:   - significant amounts of flash rusting.
              - Cl^- levels dropping.
              - water changed for fresh tap water.
08.01.2015:   - significant amounts of flash rusting.
              - Cl^- levels checked.
              - water changed for fresh tap water.
 05.02.2015: - significant amounts of flash rusting.
              - Cl^- levels checked.
              - water changed for fresh tap water.
08.03.2015:   - significant amounts of flash rusting.
              - Cl^- levels checked.
              - water changed for fresh tap water.
04.11.2015:   - significant amounts of rusting (but long period since last
                checked).
              - Cl^- levels checked.
              - water changed for fresh tap water.
11.12.2015:   - Cl^- levels checked.
18.12.2015:   - **only one fragment in tank.**
              - water changed for fresh tap water.
27.01.2016:   - **still only one fragment in tank.**
              - Cl^- levels checked.
              - water changed for fresh tap water.

Chloride monitoring:
Using 1% silver nitrate, comparing sample with tap water.
If tap water is 1:

Date	26.08.14	17.09.14	14.10.14	20.11.14	17.12.14	08.01.15	05.02.15	18.03.15
Reading	very high	very high	2	5	3	3	1.5	2
Date	04.11.15	11.12.15	27.01.2016					
Reading	3	2	2					