

CoOI S12E5 A Flood of Secrets

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Synopsis by Jaan Anderson

Smith's Cove

Billy continues searching for the flood tunnel in Smith's Cove while Peter and Gary search the spoils he has removed. Craig arrives, and Gary tells him they haven't found any artifacts yet, but he is hopeful. Rick arrives to check on the progress being made at Smith's Cove and notices a board just above the water level. Craig Calls Steve to come to Smith's Cove to mark the exact position of the board. Steve says the board looks like it is on the projected line of the flood tunnel. Later, as Billy continues to search in Smith's Cove, he notices there are now three boards exposed. Suddenly, a section of the trench being dug begins to collapse. Rick notices a board in the trench and has Billy dig it out. Billy grabs the piece, and it turns out to be a piece of concrete. Billy then pulls out a large beam from the trench. They examine the beam and agree it was not machine cut and would have been too large for the Restalls to position. The concrete will be sent to Emma to be tested for a possible date. The next day, the group continues to work at Smith's Cove to try and find the flood tunnel. Billy begins to dig, and another beam is exposed at more than 30 feet deep. Craig wants to recover this beam and send it for dendro testing. Billy continues to dig at Smith's Cove and notices some rocks and some cobbles that he points out to Craig. Billy feels there is something going on in that spot or that it could be part of the vertical shaft. Rick arrives after being notified by Craig that evidence of a possible flood tunnel has been found. Craig tells Rick he feels what they found is manmade.

War Room

Rick and the team are meeting with Dr. Jan Francke, who designed the technology to scan the pyramids of Giza and the subsurface of the moon. Craig has invited Dr. Francke to try and help the team locate the treasure. Dr. Francke is a geophysicist, and he will be using a 100-megahertz Helix borehole radar antenna to try to locate targets for the team. The device sends electromagnetic pulses through the earth to identify anomalies such as

structures, voids, and metal objects. Jan will be looking for an air or water-filled void, which will be a strong reflection. The technology will give the depth and the approximate distance from the borehole of the object.

Money Pit

Jan and Craig are continuing to scan the Money Pit with Jan's specialized GPR device. They begin scanning HN16, which is located in the Golden Egg and is just 18 feet north of the Garden Shaft.

War Room

The team is meeting to hear Emma's report on the concrete recently found at Smith's Cove. Emma tells them it is concrete because it is made up of cement, aggregate, and sand. Emma scanned the piece with the XRD, which did get a trace of portlandite, which puts it in the group of Portland cement. Portland cement is the most common type of cement used in modern-day construction and is often mixed with sand, gravel, and water to make concrete. Emma then tells them there are only two locations in Canada that have portlandite, and that is Quebec and B.C. She tells them this is most likely from Quebec because the aggregates and sand are most likely Nova Scotia based. She goes on to tell them that the Quebec location started using hydraulic mining in the 1920s, and the sample is hydraulically mined cement. She then tells them she doesn't think it is post-1980s because it is missing modern concrete mix. She says this sample was not mixed thoroughly and would fit the storyline of filling in a floodgate. With this information, Rick says they need to find the vertical shaft.

Lot 5

The work is continuing on the stone feature located on Lot 5. Moya and Ethan continue to dig, and Moya finds what looks like a piece from the top of a wine bottle. As they continue digging, Moya finds a piece of metal strapping. Jack wonders if it is from a chest that possibly held treasure. Helen arrives, and Moya tells her about the finds from the morning. Helen thinks the piece of the wine bottle is French because of the pale olive color. Moya then shows Helen

the strapping, which Helen wants to be scanned so they can determine if the bend is from damage or was intentional.

War Room

The team is meeting with Jan Francke to hear the results of the GPR scans done in the Money Pit. Jan tells them that 12 feet seems to be the furthest from a borehole they can get data. Jan points out a void that is 3-4 feet away from the borehole and is 127 feet deep in the Golden Egg. He also tells them it appears to be filled with water, and the signal does not indicate it is saltwater. The team decides that once Dr. Spooner has finished collecting water samples, they will drill another borehole.