USGA Green Section Record, July 25, 2014

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Black layer has developed near the surface in this sand channel due to compaction and poor infiltration. The soil here is compacted and hard, preventing water from infiltrating. This has led to a significant reduction in water infiltration rates. Debris cleanup makes this a tedious process.

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The causes of runoff will be reviewed and an economical solution using solid-tine aeration or deep slicing will be introduced. The black layer is a sign that water is not infiltrating. Debris cleanup makes this a tedious process.

Why Water Runs Off Compacted Soils

Soil compaction is an enemy of water-conservation programs and can lead to waste. Debris cleanup makes this a tedious process.

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