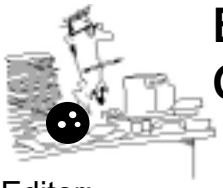

Editor's Corner:

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Well, here it is again guys. Print it out when you desire.

Place selected pages in a binder for your students. Use selected pages in your classes.

In this issue:
Advanced Lane Play: Matching Up - Lane Conditions

December Issue:
More on matching Up to Lane Conditions, much more.

The Coaching Eye

Volume #1 - Issue #5
November 2002

Matching Up - The Ball to the Bowler
Each part of each section (like a chapter) starts on a separate page. This allows you to cover a specific topic, one at a time with your student.

If you think of other topics pertaining to **Matching Up** and want to let other coaches know about them, please write it up, send it to me and I will review it and publish it with your name as the author. Send as a Microsoft Word file as an attachment to an e-mail to me. And, if you have other topics or ideas that would be of use to other coaches, please send them to me. Share those ideas and we will all grow as better coaches.

Note that each issue stands on it's own as a publication. Hence, some topics appear in multiple issues. (As my time permits and the demand requires, we also create a left handed bowler version of all back issues. They are available - free - upon request. Just e-mail us the request).

Each issue is designed to be a fund raising booklet for your local Youth Bowling Program. Excluding the cover page, make some clean copies and let the Youth Director sell them at the control desk or in the pro shop to raise money for the youth bowling program at your bowling center.

This issue is only 13 pages in length but it has a very large memory size due to the graphics.

Matching Up

Part 1

-

Lane Conditions

Example #1:

Junior Olympic Gold 2000 Tournament

by
John R. O'Dell

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Lane Conditions

Example #1:
Junior Olympic Gold 2000 Tournament

This is a total graphic issue. But since a picture is worth a thousand words, the issue also contains 10,000 words.

This first example (there will be more occasionally as space permits) is a good one. The oil pattern has several attributes that you may have encountered.

This issue also introduces the concept of a **Friction Pattern**. It is a model for the effect of where the ball has the best chance to interact with the surface for a ball reaction.

What to Look for in the Oil Pattern:
Note how the oil pattern contains areas that are parallel with the side of the lane.

Note how the greatest oil density is concentrated in the central portion of the lane.

Note how the sides of the oil pattern point inward (a Christmas tree effect).

Note where there are the most dense concentrations of oil (a lot of oil in a small area).

Note how the oil is tapered both laterally and down the lane.

What to Look for in the Friction Pattern:
Note how the friction increases from the center outward and from the foul line to the end of the oil.

Note the concept of the “wall” on the side of the friction pattern.

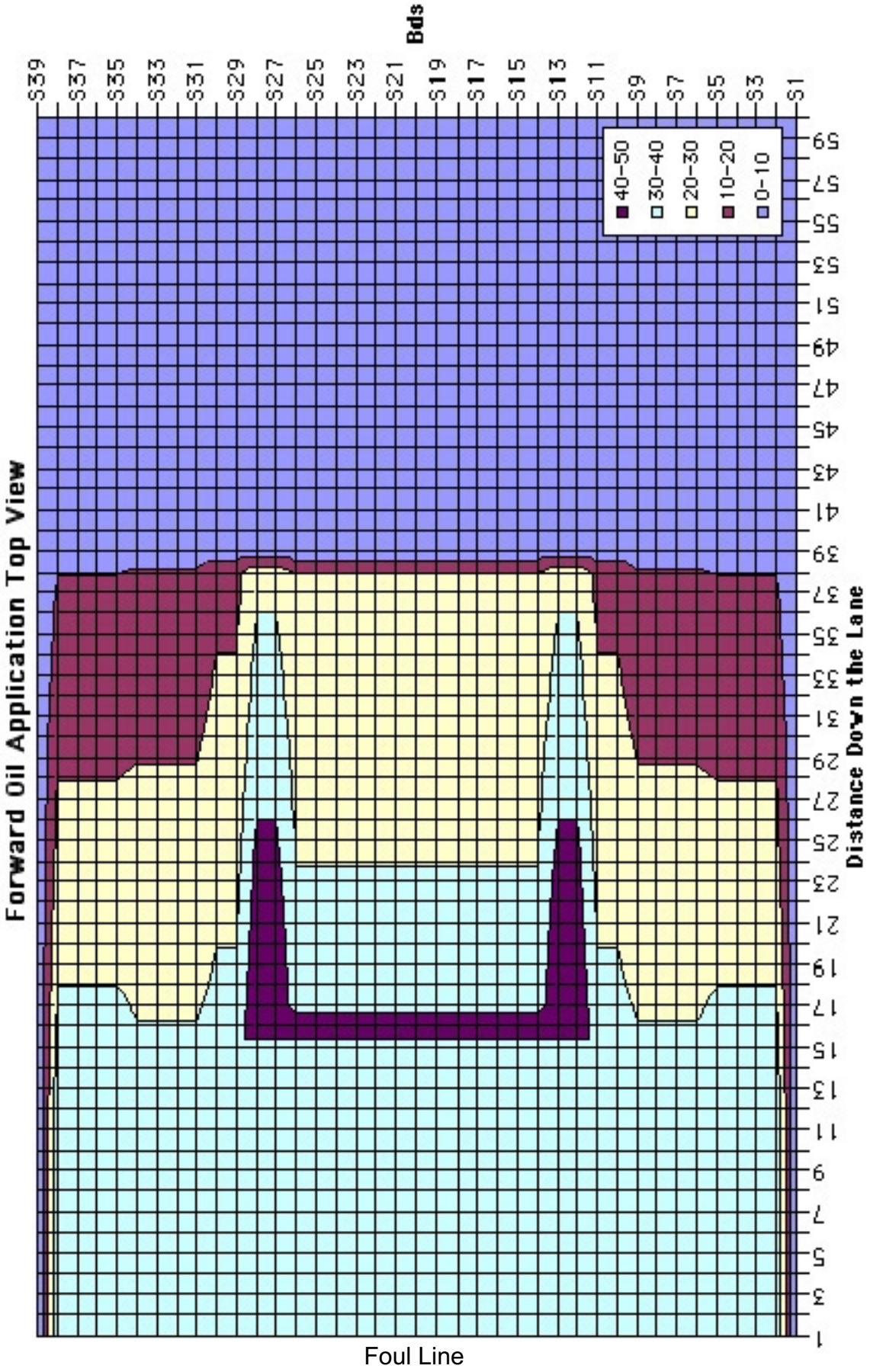
Note where the friction is much less where the oil is the greatest, especially in the high concentrate areas.

Note how the sides are gradually tapered upward.

How the Oil is Applied using the Kegel Sanction Machine
The oil is applied while the machine is going toward the pins as well as while the machine is returning from the pins. So, there is a forward application and a reverse application.

The graphs that follow show the 2000 Junior Olympic Gold Tournament oil pattern.

This first graphic is the top view of the forward application of the oil pattern. Note the two high concentrate areas in the central, portion of the lane.

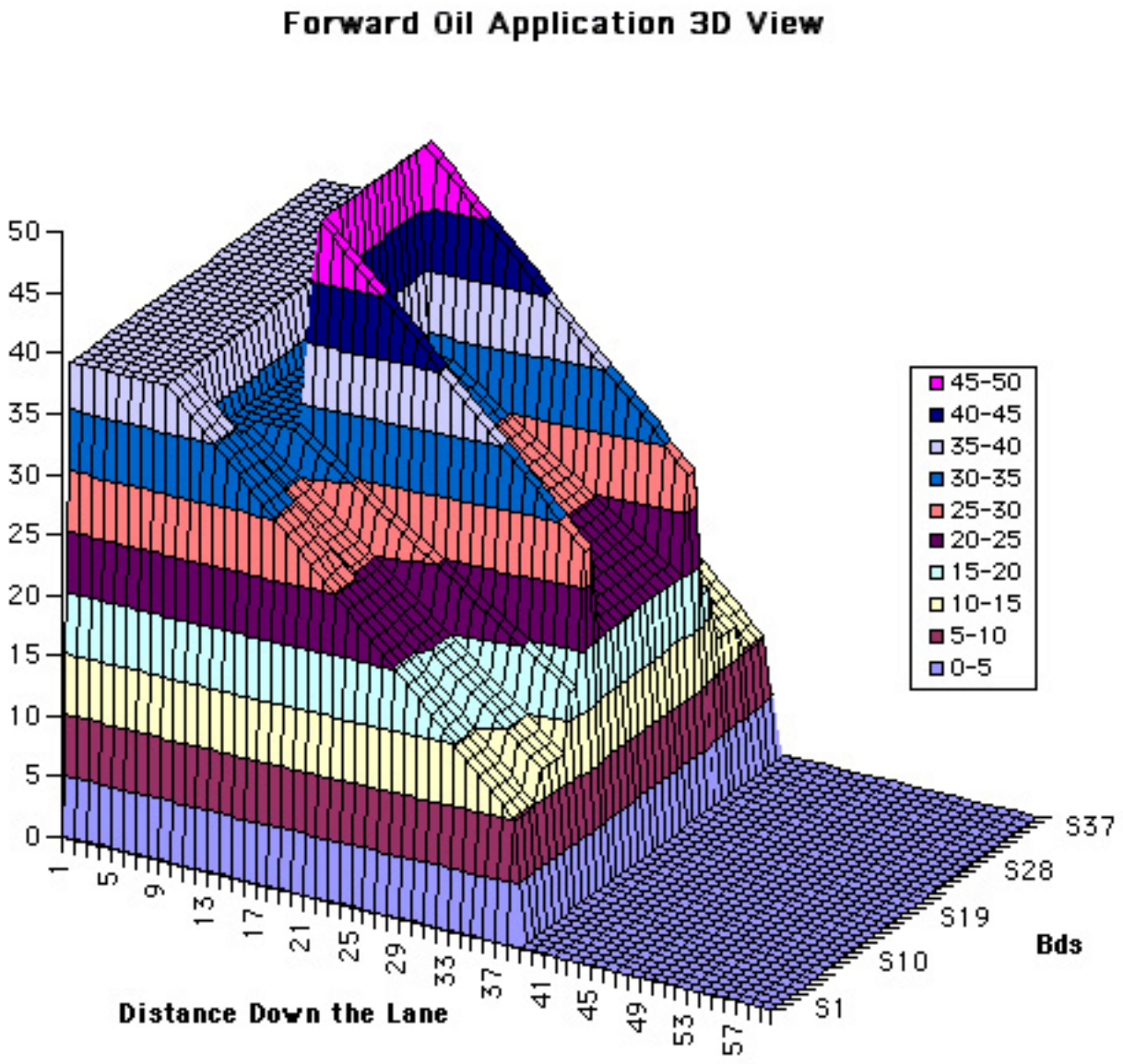


This graphic shows the 3D view of the forward oil application. Note how the two high concentrate areas really stand out like barriers. And that's what they actually serve as.

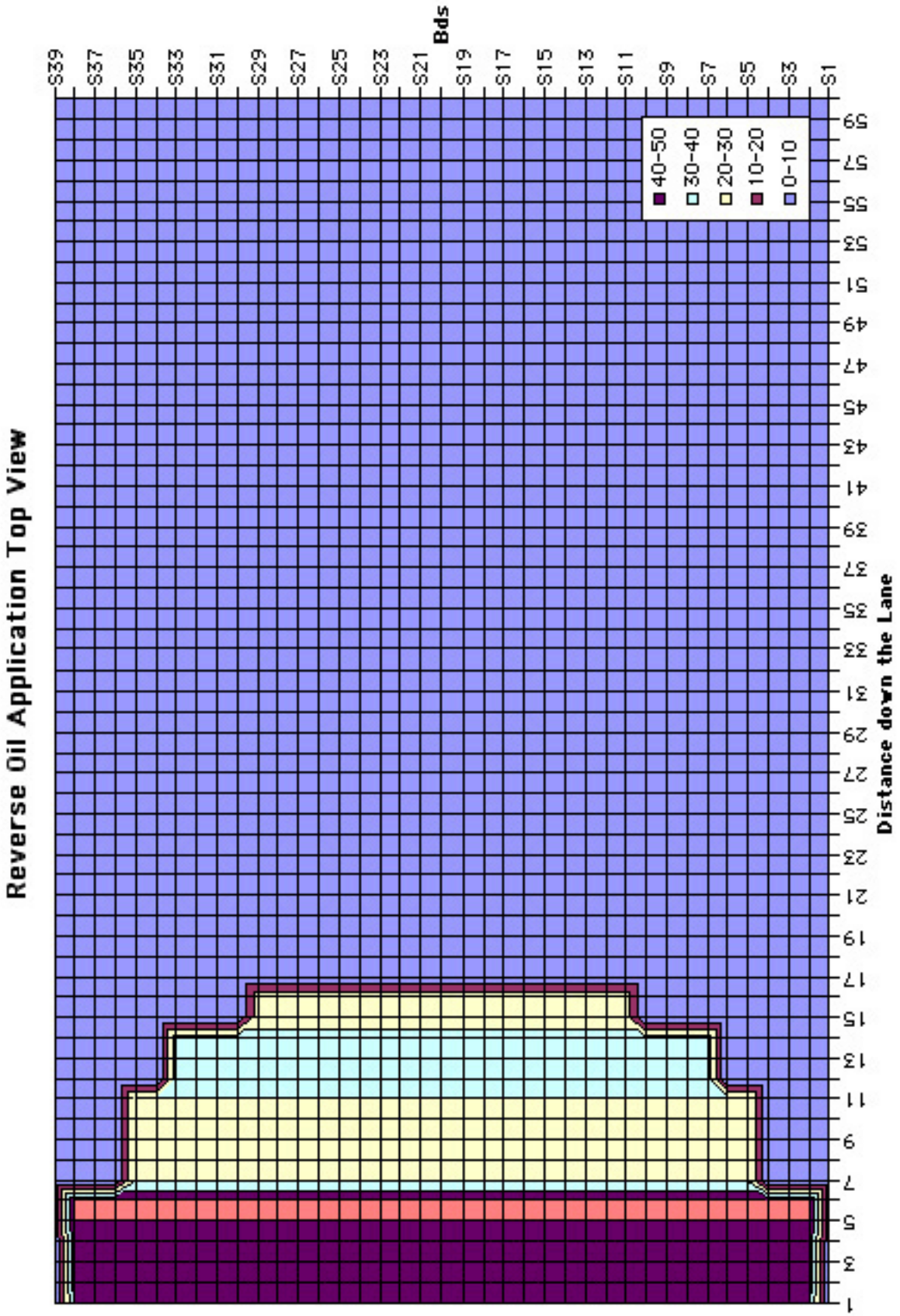
Do you see how the oil density decreases as the distance down the lane increases. That's called a lengthwise taper and is essential for a high scoring shot.

Also note how the oil decreases on the outside. That's called a lateral taper. It's primarily what yields "forgiveness" in the shot.

Note also that the oil is applied to a specific length down the lane and that there is a specific length beyond which the ball is totally on the lane surface.

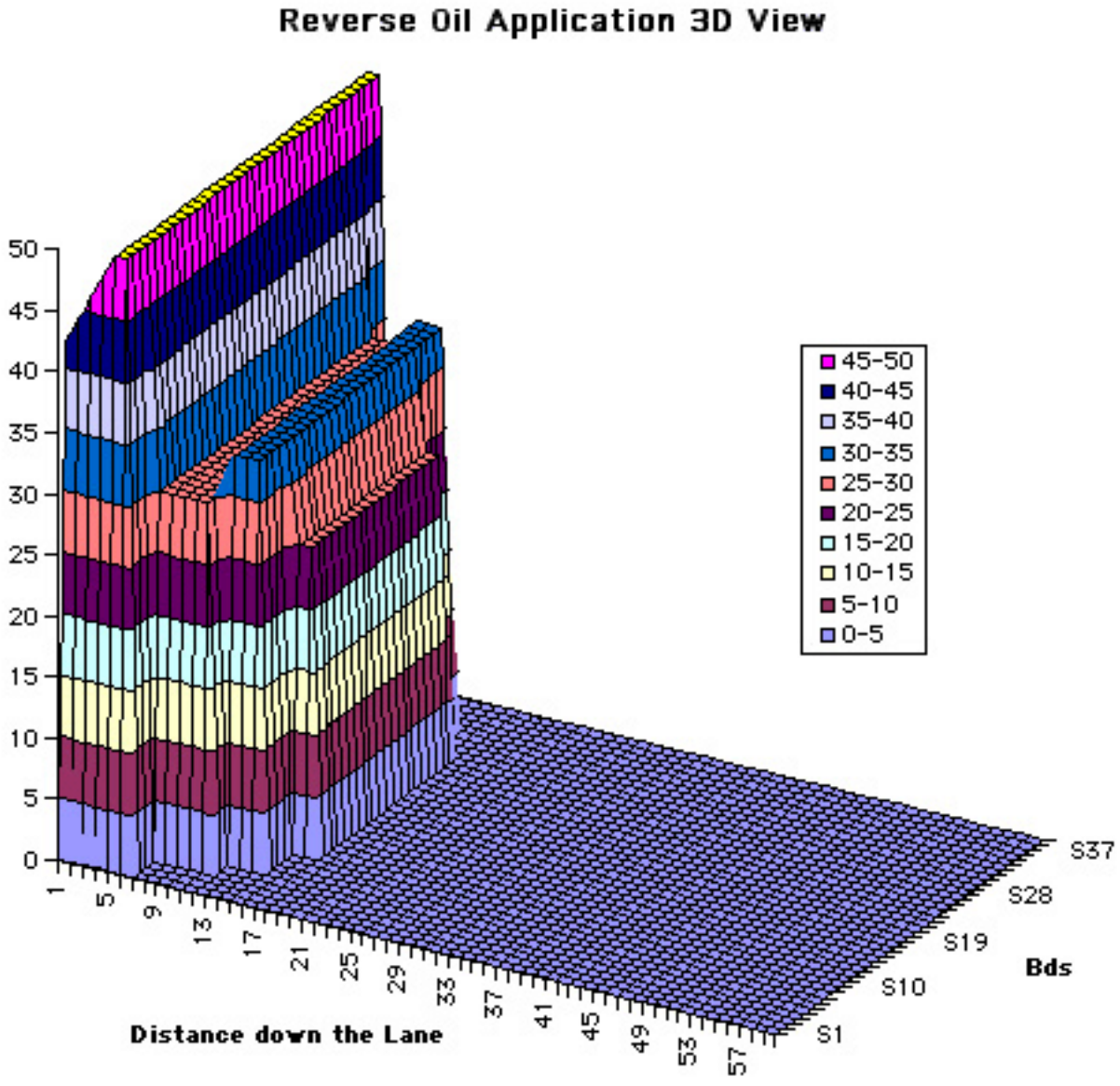


This first graphic is the top view of the reverse application of the oil pattern. Note it is also tapered both laterally but not very much lengthwise down the lane.

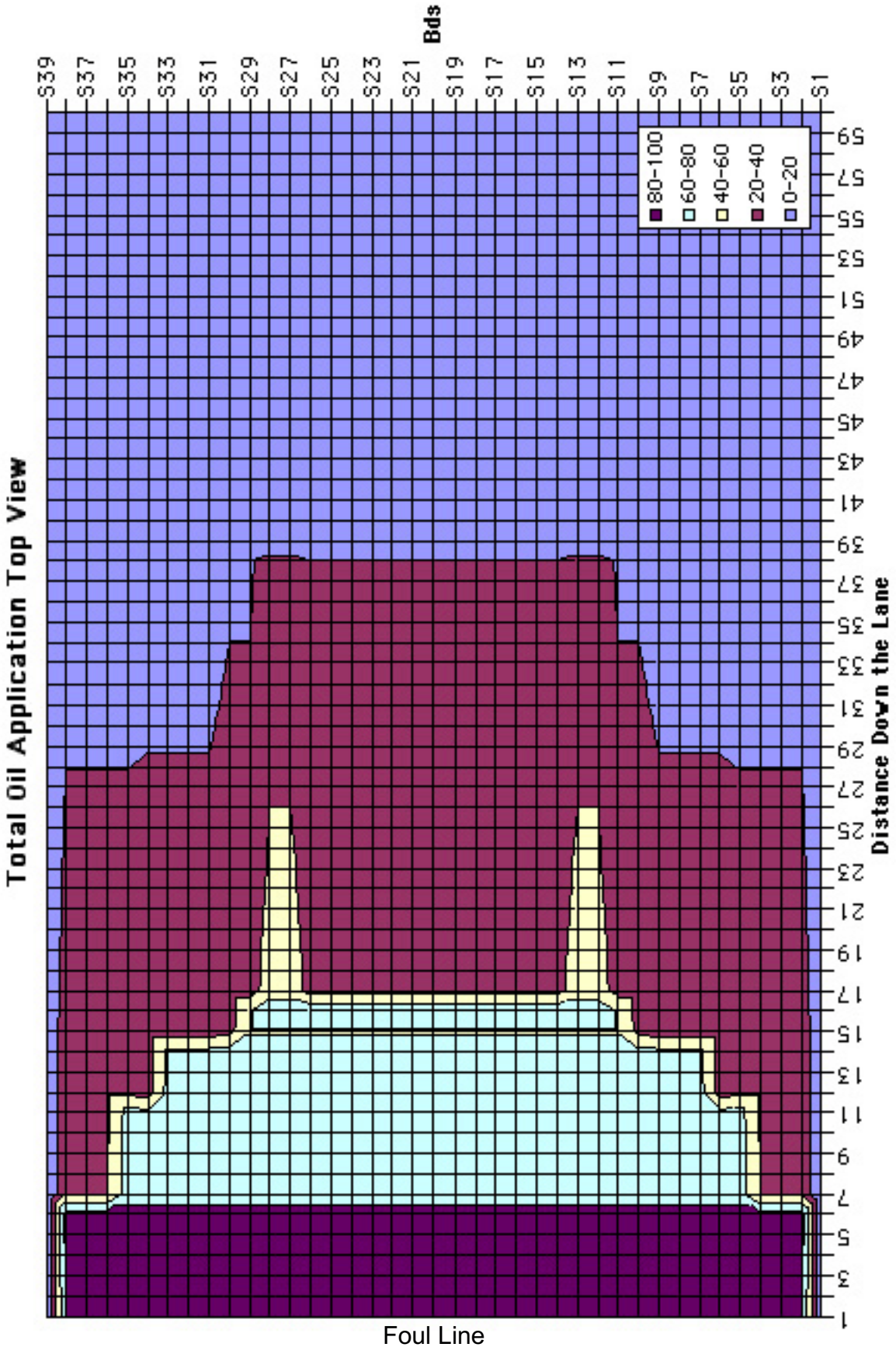


This graphic shows the 3D view of the reverse oil application. You can see the slight Christmas Tree effect at the sides of the oil pattern. Each successive section of the oil is further inside.

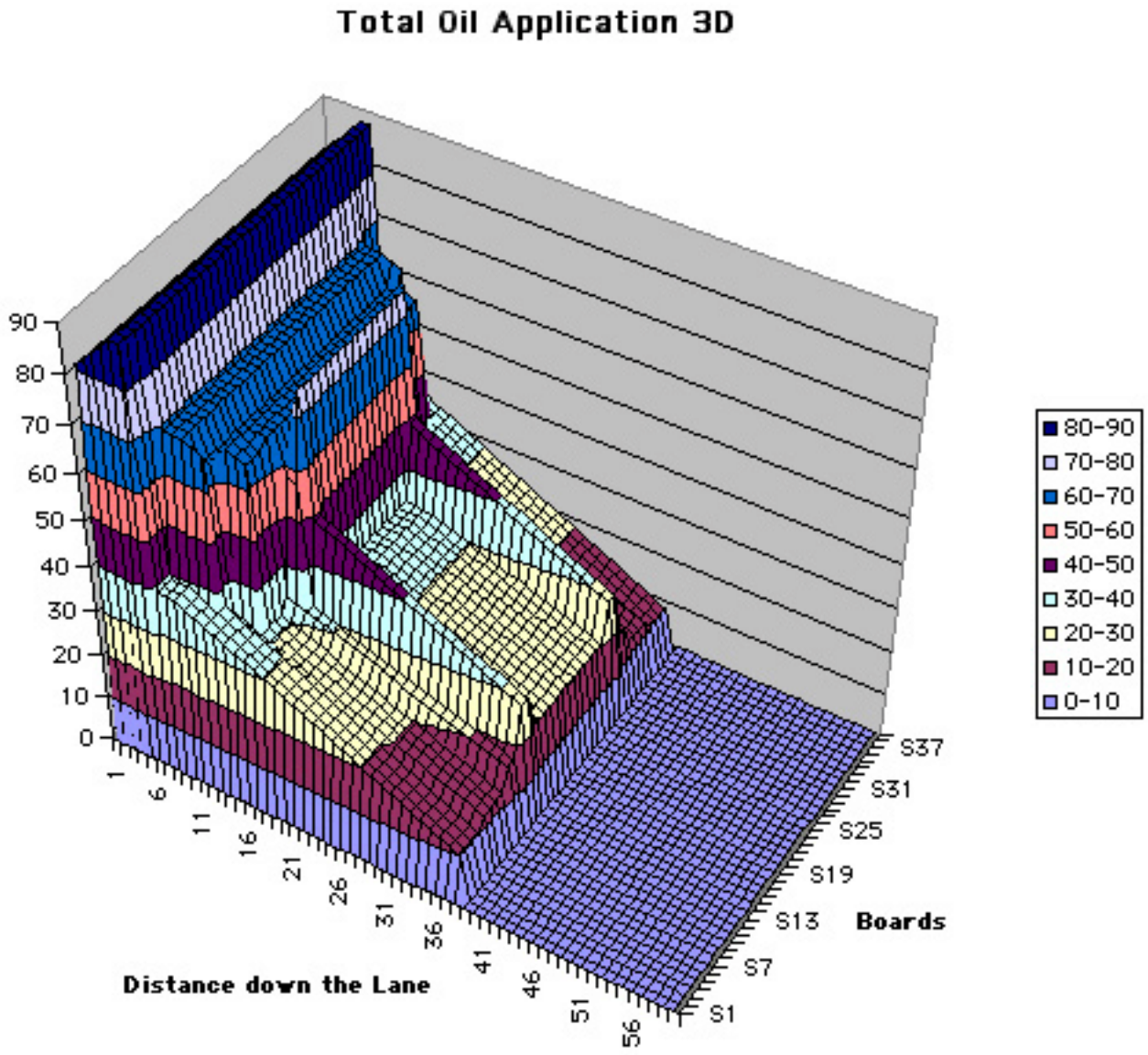
Note also that the reverse direction application is much shorter and is mostly in the heads area. In this case, the application in the reverse direction merely adds more oil to the heads area, but does it in a way that enhances the Christmas Tree effect initiated in the forward oil application.



This graphic shows the top view of the total oil application. Most of the characteristics viewed in the forward application graphic are still present in the total application graphic.



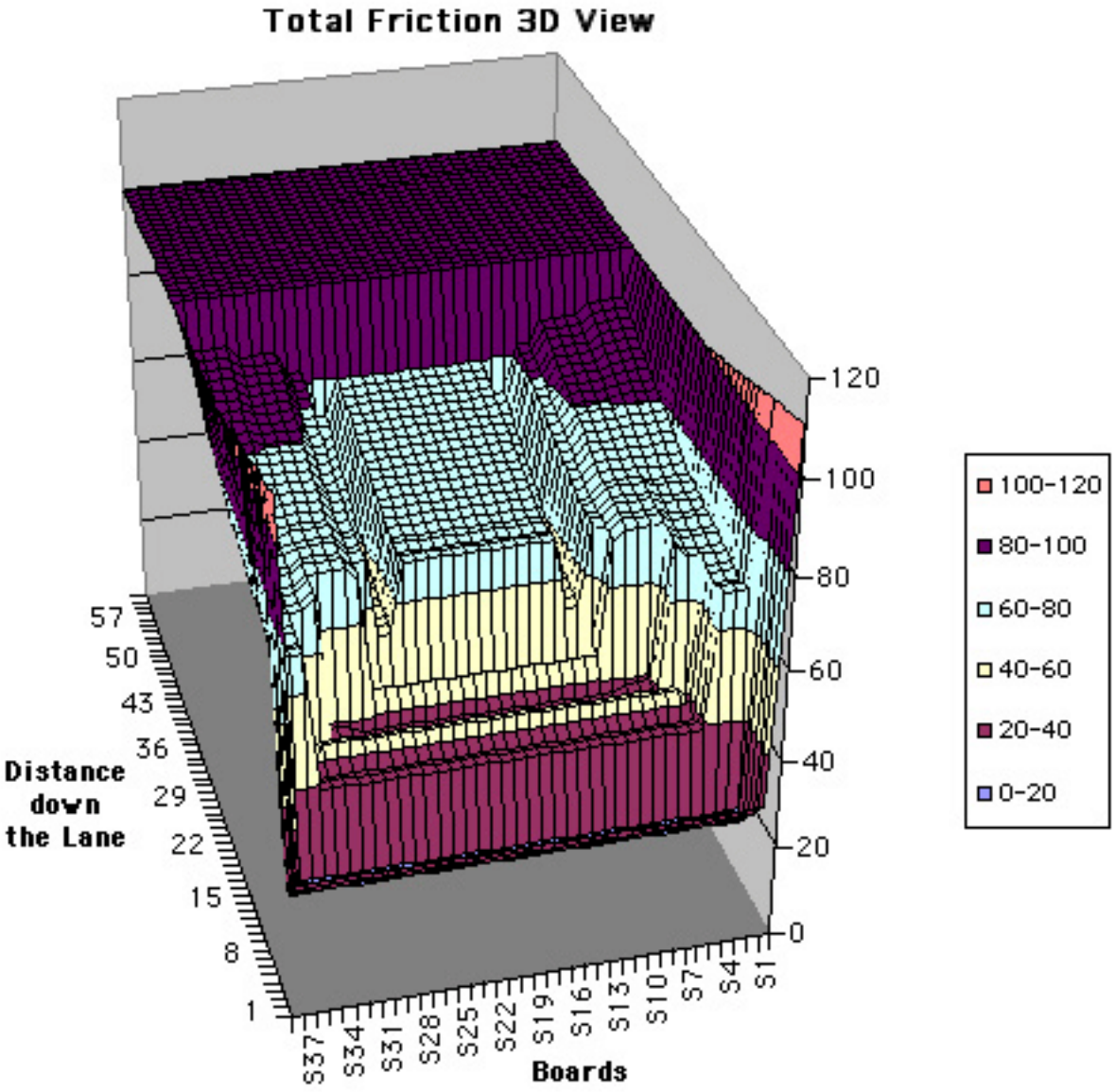
This graphic just about says it all. this oil pattern is tapered laterally and lengthwise and has a Christmas Tree pattern shape.



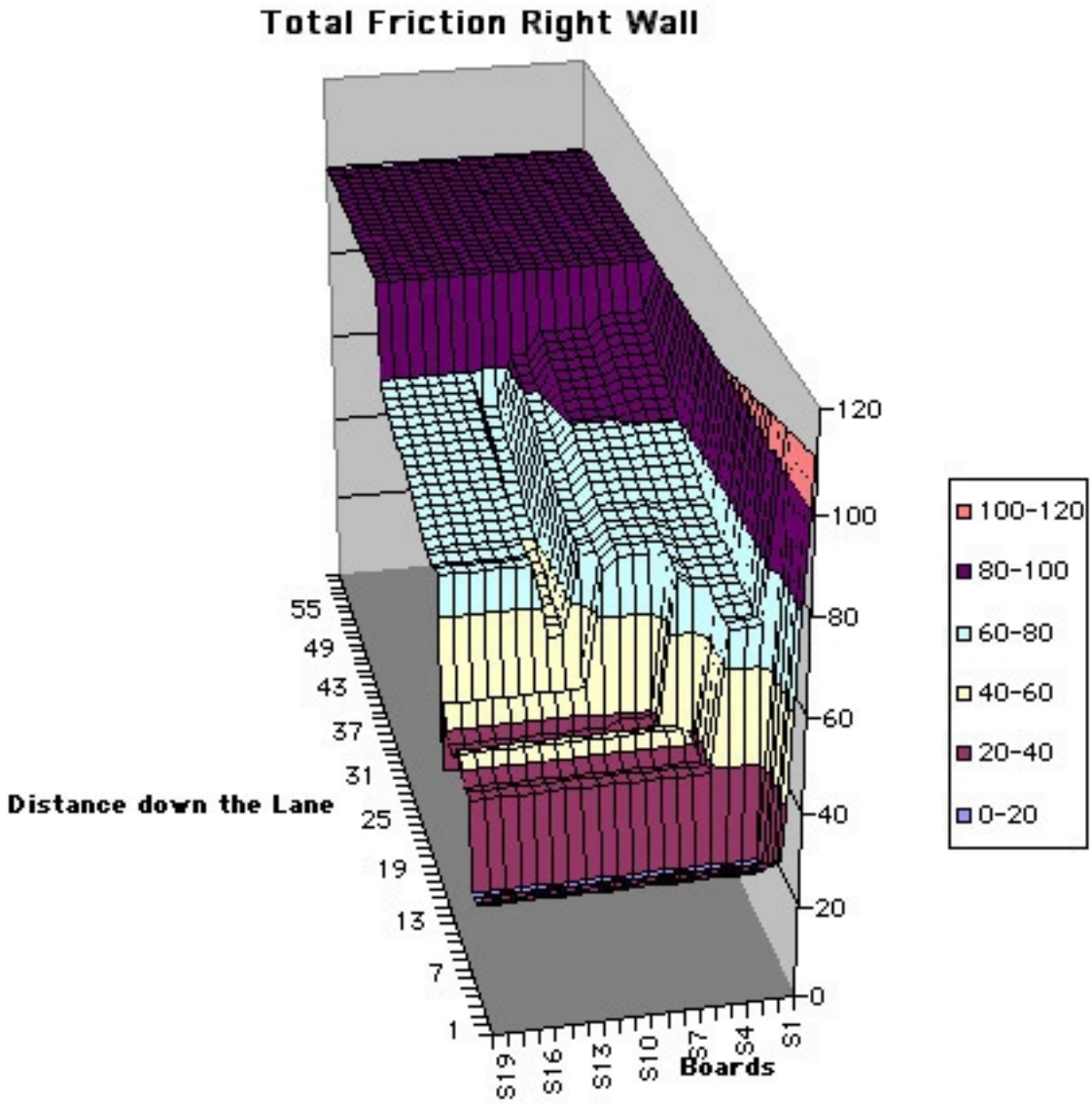
This graphic shows the Friction Pattern. It is like the inverse of the oil pattern.

Can you see the “walls” on the outsides? The higher the walls, the easier the bumper bowling.

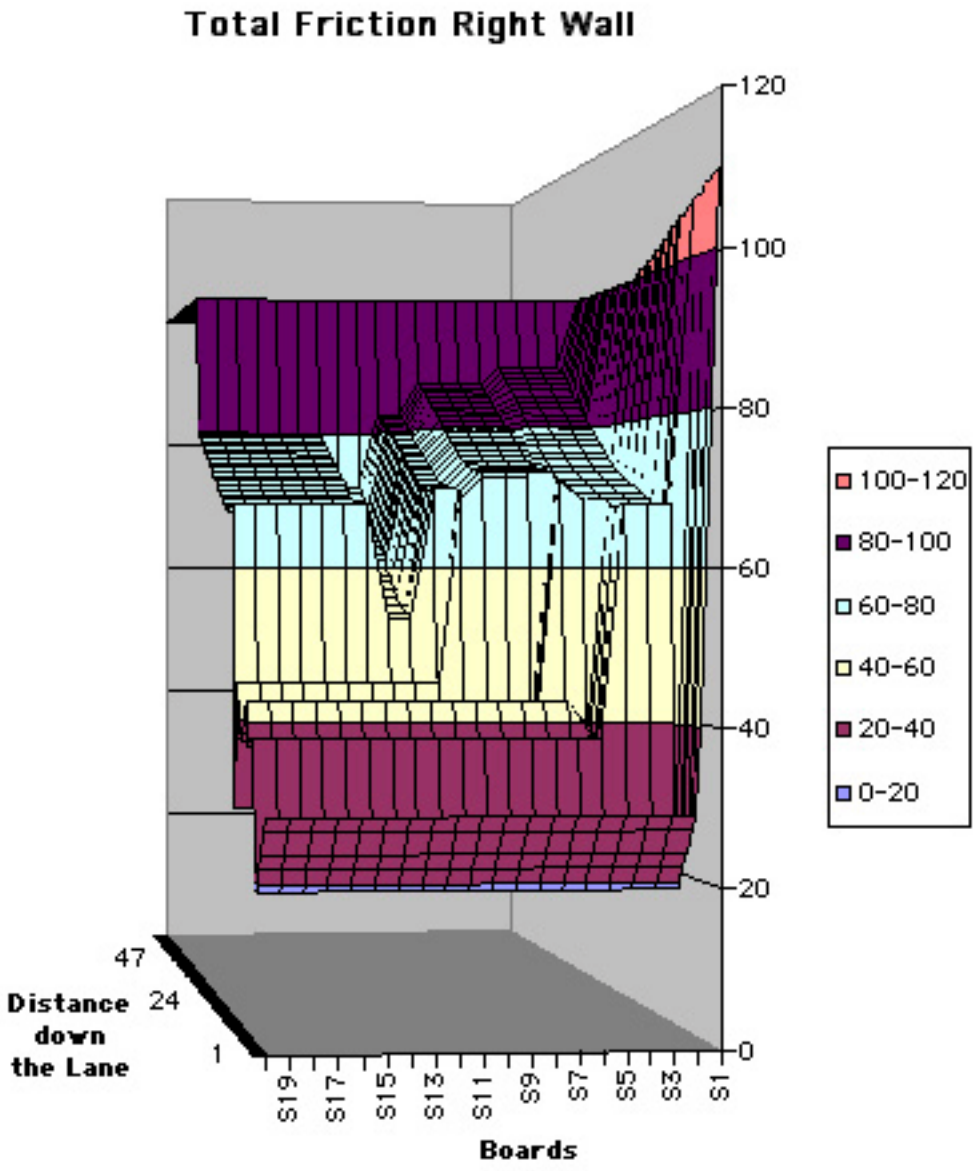
Can you see the effect of the high concentrate strips on the inside? I would probably choose to roll the ball just to the right of that right side high density strip.



This graphic shows the right side wall a little easier. It also shows the tapers both lateral and lengthwise.



This graphic shows the right wall and the high density strps in a slightly different view.



This graphic shows the side view of the right wall.