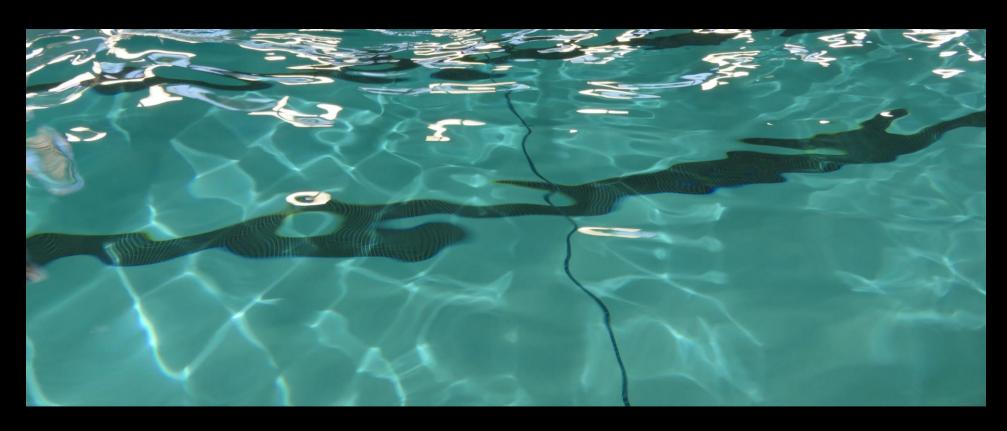
LIFESAVING SOCIETY FALL FORUM 2019



DROWNING DETECTION TECHNOLOGY IMPACTS, INSIGHTS, & LEARNINGS

PRESENTED BY

ROB CAMPBELL SUPERVISOR OF AQUATIC STRATEGIES CITY OF EDMONTON

NOVEMBER 15, 2019

OVERVIEW

- BACKGROUND
 - Peter Hemingway Fitness and Leisure Centre 2013 LPA
- DROWNING DETECTION TECHNOLOGY
 - AngelEye
- LIFEGUARD POSITIONING ANALYSIS
 - Findings and Comparisons 2019 LPA
- OUTCOMES
 - Learnings
 - Challenges
 - -What's Next?





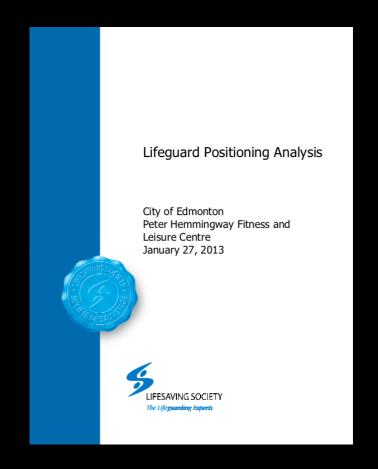


BACKGROUND

PETER HEMINGWAY FITNESS AND LEISURE CENTRE



2013 LPA



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GLARE



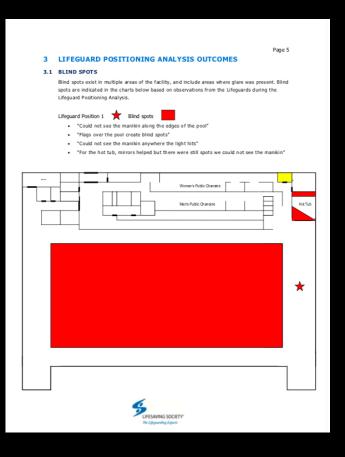




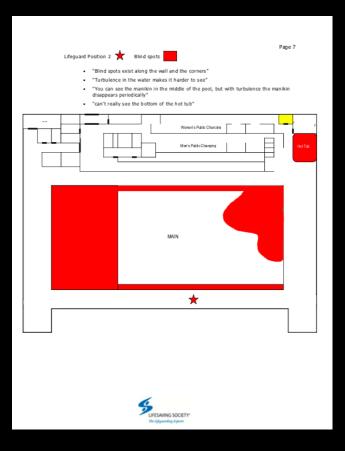


BLINDSPOTS

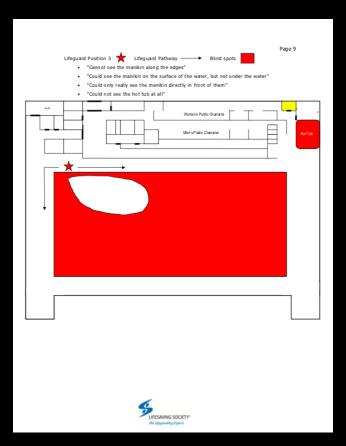
LG Position 1



LG Position 2



LG Position 3



FOLLOW UP ACTIONS

LIFEGUARD SUPERVISION REQUIREMENTS

EXTERIOR WINDOW COVERINGS

UNDERWATER SURVEILLANCE TECHNOLOGY

ANGELEYE



The Swimming Pool LifeGuard











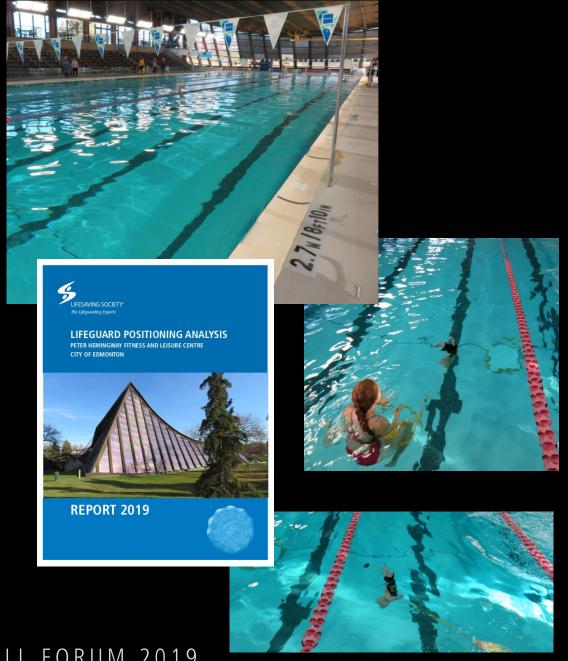
STATE OF THE ART DROWNING DETECTION

VIDEO

2019 - LPA

PETER HEMINGWAY FITNESS AND LEISURE CENTRE





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GLARE

Blinds Up

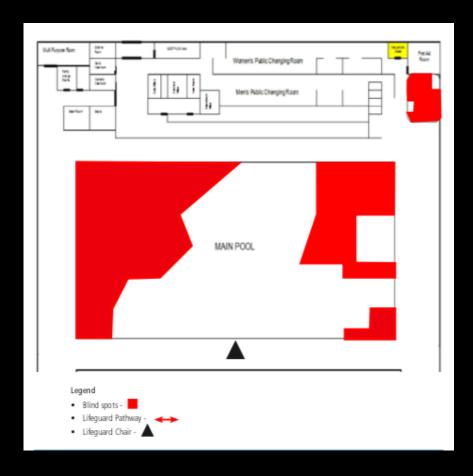


Blinds Down

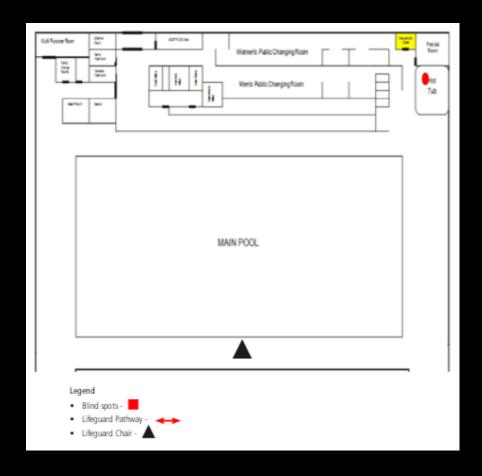


BLINDSPOTS

LG Position 1: Lifeguard Chair – Without System



LG Position 1: Lifeguard Chair – With System



COMMENTS FROM LG's

- "It was interesting to see how close the manikin could be and still not be recognizable"
- "I thought it was interesting that with the cameras there was still a blind spot in the hot tub"
- "I find that the two lifeguard system is pretty effective, with the cameras I can see most things so as the roving lifeguard I feel safer"
- " I noticed how bad the glare can really be because we had the manikin as a visual reference"
- "Glare was more of a concept before, but now I realize how much it affects my ability to lifeguard"

WHAT'S NEXT?

• LEARNINGS & OUTCOMES

CHALLENGES

OPPORTUNITIES

QUESTIONS & DISCUSSION

CLOSING

ACKNOWLEDGEMENTS

THANK YOU