

1

00:00:00,000 --> 00:00:03,420

Music

2

00:00:30,000 --> 00:00:31,880

We need you!

3

00:00:43,680 --> 00:00:45,180

Something just touched me!

4

00:00:47,680 --> 00:00:49,380

Everybody out of the water! Get out!

5

00:00:49,460 --> 00:00:50,720

Get out of the water!

6

00:00:50,780 --> 00:00:52,060

Get out!

7

00:00:52,120 --> 00:00:53,720

Everybody out of the water!

8

00:00:53,800 --> 00:00:55,900

Stop! Stop! Stop!

9

00:01:00,000 --> 00:01:02,000

What's everybody freaking out about?

10

00:01:02,060 --> 00:01:04,060

That is some bad hat, Jamie.

11

00:01:30,000 --> 00:01:37,000

So, Jamie, 2015 marks the 40th anniversary of one of the all-time great horror movies, and it is, of course,

12

00:01:37,000 --> 00:01:39,880

...

13

00:01:39,880 --> 00:01:40,880

... Jaws.

14

00:01:40,880 --> 00:01:45,880

And we are going to celebrate by jumping back into the water with an entire episode devoted to sharks.

15

00:01:46,880 --> 00:01:48,880

Cool. What's on the docket?

16

00:01:48,880 --> 00:01:52,380

Well, later we're going to be testing not one, but two shark repellent missiles.

17

00:01:52,380 --> 00:01:54,880

One involves the sound of orcas repelling sharks.

18

00:01:54,880 --> 00:01:57,880

The sharks' behavior have seemed really incredible.

19

00:01:58,760 --> 00:02:03,760

And the other involves the essence of, uh, well, dead shark.

20

00:02:03,760 --> 00:02:04,760

Weird.

21

00:02:05,760 --> 00:02:11,760

But first, we are going to be retesting a myth that fans say we got wrong 10 years ago.

22

00:02:11,760 --> 00:02:13,760

That would be scuba tank explosion?

23

00:02:13,760 --> 00:02:18,760

Yes. Okay, so to recap, it's the end of the movie and for Chief Brody, it is kill or be killed.

24

00:02:18,760 --> 00:02:20,760

The sharks is racing towards him to eat him.

25

00:02:20,760 --> 00:02:23,760

He's got a scuba tank sticking out of the corner of his mouth.

26

00:02:23,760 --> 00:02:25,760

Brody lifts his thirst.

27

00:02:26,640 --> 00:02:31,640

Brody lifts his 30-odd sex, takes his shot, and kills the shark.

28

00:02:31,640 --> 00:02:33,640

But for us, it didn't work.

29

00:02:33,640 --> 00:02:38,640

No, it didn't, but fans say our methodology was flawed and I think we should retest it.

30

00:02:38,640 --> 00:02:40,640

So what? Are we going to need a bigger boat?

31

00:02:40,640 --> 00:02:42,640

I think that's accurate.

32

00:02:43,640 --> 00:02:46,640

When the mythbusters first took aim at the Jaws finale...

33

00:02:46,640 --> 00:02:49,640

Three, two, one!

34

00:02:52,640 --> 00:02:54,640

... their conclusion was controversial.

35

00:02:55,520 --> 00:02:58,520

The final sequence of Jaws, I'm sorry to say, is totally busted.

36

00:02:59,520 --> 00:03:03,520

So now, 10 years down the line, it's time for a do-over.

37

00:03:04,520 --> 00:03:07,520

So fans had three specific questions the first time we tackled this myth.

38

00:03:07,520 --> 00:03:12,520

Number one, what if Brody didn't shoot the tank directly but grazed it with this bullet,

39

00:03:12,520 --> 00:03:15,520

causing a weakness that ruptured, making the tank explode?

40

00:03:15,520 --> 00:03:17,520

Smile, you son of a...

41

00:03:18,400 --> 00:03:21,400

Two, what if Brody had a different gun?

42

00:03:21,400 --> 00:03:26,400

Is there a caliber of bullet that could cause a scuba tank to explode?

43

00:03:26,400 --> 00:03:29,400

And three, and this is where we're actually starting this story,

44

00:03:29,400 --> 00:03:32,400

what happened to the tank when we shot it?

45

00:03:34,400 --> 00:03:38,400

The tank did not actually split all the way open. It didn't explode.

46

00:03:38,400 --> 00:03:40,400

Oh!

47

00:03:40,400 --> 00:03:42,400

It rocketed away.

48

00:03:42,400 --> 00:03:45,400

Yes, fans wanted to know if a rocketing tank could actually harm a shark.

49

00:03:46,280 --> 00:03:49,280

And to find out if a rocketing tank could kill,

50

00:03:49,280 --> 00:03:54,280

the guys must build a life-size, super realistic shark stand-in.

51

00:03:54,280 --> 00:03:57,280

And Adam's starting that by getting anatomical.

52

00:03:58,280 --> 00:04:03,280

John, can you give me a little bit of shark anatomy 101 here?

53

00:04:03,280 --> 00:04:07,280

Sure, this is a salmon shark. It's very similar to a white shark.

54

00:04:07,280 --> 00:04:10,280

In fact, it's an insane family, only they don't get us large.

55

00:04:10,280 --> 00:04:12,280

But the inside is fine.

56

00:04:13,160 --> 00:04:17,160

Adam needs hands-on experience for two reasons.

57

00:04:17,160 --> 00:04:20,160

What is that? What is this giant thing?

58

00:04:20,160 --> 00:04:22,160

That's the liver.

59

00:04:22,160 --> 00:04:25,160

First, he must figure out the journey that a rocketing tank would take.

60

00:04:25,160 --> 00:04:28,160

Food will enter the esophagus. He moved into the stomach.

61

00:04:28,160 --> 00:04:31,160

That's the stomach right here that I'm touching.

62

00:04:31,160 --> 00:04:33,160

Which turns out to be simple.

63

00:04:33,160 --> 00:04:36,160

The tank would first shoot through a muscular sphincter

64

00:04:36,160 --> 00:04:39,160

before entering the esophagus, which goes into the stomach.

65

00:04:40,040 --> 00:04:44,040

Reason two, which requires a bigger shark, is about material research.

66

00:04:44,040 --> 00:04:46,040

The skin is so rough.

67

00:04:46,040 --> 00:04:52,040

Adam must feel the insides to work out what to build his realistic replica from.

68

00:04:52,040 --> 00:04:56,040

Wow, there's nothing soft about this thing at all. It is like shoe leather.

69

00:04:56,040 --> 00:04:59,040

John McOsker's lesson for me in shark anatomy is that

70

00:04:59,040 --> 00:05:02,040

he's not only a shark, but he's also a shark.

71

00:05:02,040 --> 00:05:04,040

He's also a shark.

72

00:05:04,040 --> 00:05:06,040

He's a shark.

73

00:05:06,920 --> 00:05:09,920

John McOsker's lesson for me in shark anatomy

74

00:05:09,920 --> 00:05:13,920

provided me the opportunity to stick my entire arm down the gullet

75

00:05:13,920 --> 00:05:16,920

of a seven-foot lemon shark.

76

00:05:16,920 --> 00:05:20,920

Textureally, it's an amazing experience, because what's surrounding it

77

00:05:20,920 --> 00:05:25,920

is so meaty and tough, and if we're going to anatomically match that,

78

00:05:25,920 --> 00:05:28,920

we're going to need to add something that really comes akin to

79

00:05:28,920 --> 00:05:32,920

a significant musculature that surrounds that in a shark.

80

00:05:32,920 --> 00:05:34,920

With the research phase now complete,

81

00:05:35,800 --> 00:05:37,800

my pleasure to wash your hands.

82

00:05:41,800 --> 00:05:45,800

The build can begin, where Jamie's starting with a skeleton.

83

00:05:47,800 --> 00:05:50,800

This stuff right here, which is expanded polypropylene,

84

00:05:50,800 --> 00:05:53,800

and it's basically the same plastic that's in a portable gas can,

85

00:05:53,800 --> 00:05:57,800

is what we're going to be making our framework and our jaws out of,

86

00:05:57,800 --> 00:06:01,800

because it's flexible, kind of like stiff cartilage.

87

00:06:01,800 --> 00:06:03,800

It's perfect, and we can screw right through it.

88

00:06:04,680 --> 00:06:06,680

It's easily cut through grill.

89

00:06:06,680 --> 00:06:09,680

Having similar specs to a shark's cartilaginous skeleton

90

00:06:09,680 --> 00:06:13,680

is crucial for realistic structural integrity.

91

00:06:13,680 --> 00:06:15,680

That actually doesn't look half bad.

92

00:06:15,680 --> 00:06:20,680

But for the rocketing tank test, it's the gullet that's key.

93

00:06:20,680 --> 00:06:24,680

And to replicate that, we've decided to use cowhide,

94

00:06:24,680 --> 00:06:28,680

this leather here, because it's tough, like the inside of a shark,

95

00:06:28,680 --> 00:06:31,680

based on what Adam saw with Dr. McOsker.

96

00:06:32,560 --> 00:06:35,560

Stitch together, it should be just what the doctor ordered.

97

00:06:37,560 --> 00:06:39,560

The leather's tough texture is perfect.

98

00:06:40,560 --> 00:06:43,560

But finding the right tool to tailor it,

99

00:06:45,560 --> 00:06:47,560

is a much tougher task.

100

00:06:49,560 --> 00:06:51,560

Maybe not.

101

00:06:51,560 --> 00:06:53,560

But once Jamie goes old school,

102

00:06:54,560 --> 00:06:56,560

sometimes simpler is better.

103

00:06:56,560 --> 00:06:59,560

He's able to go hell for leather on both the esophagus.

104

00:07:00,440 --> 00:07:02,440

There's my gullet.

105

00:07:02,440 --> 00:07:05,440

And the stomach, both of which are not only to scale

106

00:07:05,440 --> 00:07:07,440

for a jaw-sized, great white...

107

00:07:07,440 --> 00:07:09,440

Well, there we go.

108

00:07:09,440 --> 00:07:11,440

Gullet, stomach.

109

00:07:11,440 --> 00:07:13,440

...but also have just the right feel.

110

00:07:14,440 --> 00:07:17,440

This feels very similar to what it felt like

111

00:07:17,440 --> 00:07:19,440

sticking my hand in that shark's mouth at the academy.

112

00:07:19,440 --> 00:07:21,440

Whoo-hoo-hoo-hoo-hoo.

113

00:07:21,440 --> 00:07:23,440

It's coming together.

114

00:07:23,440 --> 00:07:25,440

That is awesome.

115

00:07:25,440 --> 00:07:27,440

Next, Jamie moves on to muscle mass.

116

00:07:27,440 --> 00:07:29,440

Is that how to do it?

117

00:07:30,320 --> 00:07:32,320

Jamie and Jamie are going to give the shark

118

00:07:32,320 --> 00:07:34,320

that authentic anatomy.

119

00:07:34,320 --> 00:07:36,320

These bits right here are going to be my shark muscle.

120

00:07:36,320 --> 00:07:38,320

So I'm going to saturate them

121

00:07:38,320 --> 00:07:40,320

with a urethane rubber.

122

00:07:40,320 --> 00:07:42,320

So the thing here is to get this carpet

123

00:07:42,320 --> 00:07:44,320

to soak up this resin.

124

00:07:44,320 --> 00:07:46,320

We'll kind of apply them like bandages

125

00:07:46,320 --> 00:07:48,320

and create bands of muscles

126

00:07:48,320 --> 00:07:50,320

that'll be nice and meaty-looking

127

00:07:50,320 --> 00:07:52,320

and also provide

128

00:07:52,320 --> 00:07:54,320

the kind of fibrous, tensile support

129

00:07:54,320 --> 00:07:56,320

that holds everything together.

130

00:07:56,320 --> 00:07:58,320

That was the last screw. It's all yours.

131

00:07:58,320 --> 00:08:01,320

With the internal structure now locked and loaded,

132

00:08:01,320 --> 00:08:03,320

it's time to slip the shark some skin.

133

00:08:03,320 --> 00:08:06,320

A layer of 2-inch thick upholstery foam.

134

00:08:06,320 --> 00:08:08,320

Ah-ha-ha-ha-ha!

135

00:08:08,320 --> 00:08:10,320

He looks right and proper.

136

00:08:10,320 --> 00:08:13,320

Which, once treated with a neoprene primer and paint,

137

00:08:13,320 --> 00:08:15,320

will have a somewhat similar strength

138

00:08:15,320 --> 00:08:17,320

to real shark skin.

139

00:08:17,320 --> 00:08:20,320

Like black eyes, like a doll's eyes.

140

00:08:20,320 --> 00:08:23,320

And the other thing is the shark's eyes.

141

00:08:23,320 --> 00:08:26,320

Like black eyes, like a doll's eyes.

142

00:08:30,320 --> 00:08:32,320

I kind of want to name him right now.

143

00:08:32,320 --> 00:08:35,320

There's Bruce, and then there's Buster.

144

00:08:35,320 --> 00:08:37,320

I dub him...

145

00:08:37,320 --> 00:08:39,320

Brewster!

146

00:08:39,320 --> 00:08:41,320

Time to smile for the camera, Brewster.

147

00:08:41,320 --> 00:08:43,320

Yeah!

148

00:08:43,320 --> 00:08:45,320

Da-da-da!

149

00:08:45,320 --> 00:08:48,320

Suddenly, I don't want to go swimming.

150

00:08:48,320 --> 00:08:51,320

In terms of anatomical accuracy,

151

00:08:51,320 --> 00:08:53,320

their shark is second to none.

152

00:08:53,320 --> 00:08:55,320

Let's get shooting.

153

00:09:03,320 --> 00:09:07,320

Pop quiz, what is the name of Quince Boat in Jaws?

154

00:09:07,320 --> 00:09:09,320

No idea.

155

00:09:09,320 --> 00:09:11,320

Okay, and he's what was called the Orca,

156

00:09:11,320 --> 00:09:15,320

which is good because our next myth involves Orcas or killer whales.

157

00:09:15,320 --> 00:09:17,320

Go on.

158

00:09:17,320 --> 00:09:19,320

Well, as you know, Orcas are natural predators of sharks.

159

00:09:19,320 --> 00:09:21,320

They're big ones like great whites or tiger sharks.

160

00:09:21,320 --> 00:09:25,320

So it stands to reason that sharks might be afraid of Orcas, right?

161

00:09:25,320 --> 00:09:26,320

Right.

162

00:09:26,320 --> 00:09:28,320

So it also stands to reason that some people say

163

00:09:28,320 --> 00:09:30,320

you can effectively get sharks to leave an area

164

00:09:30,320 --> 00:09:33,320

by playing the sounds of Orcas underwater.

165

00:09:33,320 --> 00:09:35,320

And the sharks will head for the hills.

166

00:09:35,320 --> 00:09:37,320

Apparently.

167

00:09:49,320 --> 00:09:53,320

To find out, Adam and Jamie have hit the deep blue sea.

168

00:09:56,320 --> 00:09:58,320

They're coming up on the boat.

169

00:10:00,320 --> 00:10:05,320

Maybe stating the obvious, but I think we've come to the right place.

170

00:10:05,320 --> 00:10:09,320

They've come to the right place in more ways than one.

171

00:10:09,320 --> 00:10:12,320

There's another reason this location is perfect for our test today.

172

00:10:12,320 --> 00:10:15,320

And that is because Orcas are not unknown to these waters.

173

00:10:15,320 --> 00:10:18,320

It's not incredibly frequent, but it's not infrequent either.

174

00:10:18,320 --> 00:10:22,320

So it's pretty likely that the sharks we're dealing with

175

00:10:22,320 --> 00:10:25,320

would have heard at some point the sound of Orcas swimming,

176

00:10:25,320 --> 00:10:29,320

Orcas on the hunt, all the sounds we're going to be playing for them.

177

00:10:29,320 --> 00:10:33,320

Having experience with killer whales is not essential

178

00:10:33,320 --> 00:10:37,320

because the myth is supposedly an instinctive behavior

179

00:10:37,320 --> 00:10:39,320

shown by all sharks.

180

00:10:39,320 --> 00:10:41,320

So what's the plan?

181

00:10:41,320 --> 00:10:43,320

So down below, there's an old shipwreck.

182

00:10:43,320 --> 00:10:46,320

Pretty soon there's going to be this bait box full of fish bits,

183

00:10:46,320 --> 00:10:51,320

this omnidirectional speaker, and by the way, lots of sharks.

184

00:10:51,320 --> 00:10:55,320

Up here, I'll be meaning a comm system that I can use to both talk to Jamie

185

00:10:55,320 --> 00:10:58,320

and play sounds through that omnidirectional speaker.

186

00:10:58,320 --> 00:11:01,320

Sounds of our control and sounds of killer whales.

187

00:11:01,320 --> 00:11:04,320

Oh, by the way, monitoring all this from underwater?

188

00:11:04,320 --> 00:11:07,320

None other than James Franklin D. Heinemann.

189

00:11:07,320 --> 00:11:09,320

The D stands for danger.

190

00:11:09,320 --> 00:11:12,320

He's right. The D does stand for danger.

191

00:11:13,320 --> 00:11:18,320

Once the danger man is suited and looted, it's go time.

192

00:11:23,320 --> 00:11:28,320

Okay, well, I see a lot of my old friends down here.

193

00:11:28,320 --> 00:11:32,320

From the moment he hits the water, Jamie's surrounded by sharks.

194

00:11:32,320 --> 00:11:35,320

You know what they say? If you're going to swim as sharks,

195

00:11:35,320 --> 00:11:40,320

you're going to get bit, hopefully not today.

196

00:11:40,320 --> 00:11:45,320

And by the time he reaches the wreck, where visibility is eerily limited,

197

00:11:45,320 --> 00:11:47,320

It's kind of murky down here, Adam.

198

00:11:47,320 --> 00:11:50,320

the shark's aggression appears to increase.

199

00:11:50,320 --> 00:11:53,320

They're coming in fairly close.

200

00:11:53,320 --> 00:11:58,320

So much so that even the danger man is beginning to freak out.

201

00:11:58,320 --> 00:12:03,320

Okay, Adam, we're seeing a lot of activity in Titan close right now.

202

00:12:05,320 --> 00:12:09,320

I must say the sharks' behavior seems really aggressive.

203

00:12:10,320 --> 00:12:12,320

Woo!

204

00:12:20,320 --> 00:12:23,320

It's shark week. I love saying that.

205

00:12:23,320 --> 00:12:26,320

We are in the Bahamas, the waters full of sharks and Heinemann.

206

00:12:26,320 --> 00:12:29,320

And we're trying to determine if the sound an orca makes underwater

207

00:12:29,320 --> 00:12:32,320

is a reasonable shark repellent.

208

00:12:32,320 --> 00:12:39,320

As this incredible footage shows, even large tiger sharks are no match for killer whales.

209

00:12:39,320 --> 00:12:43,320

But does that mean that on hearing their calls, sharks will instinctively

210

00:12:43,320 --> 00:12:46,320

high-tail it out of there, terrified?

211

00:12:46,320 --> 00:12:50,320

Well, having realized that the sharks aren't hungering for a Heinemann,

212

00:12:50,320 --> 00:12:52,320

Hi, how are you doing?

213

00:12:52,320 --> 00:12:56,320

a more relaxed Jamie positions the underwater speaker.

214

00:12:56,320 --> 00:12:57,320

Hello, guy.

215

00:12:57,320 --> 00:13:00,320

which will first play not orca sounds, but a control.

216

00:13:00,320 --> 00:13:02,320

What is our control noise?

217

00:13:02,320 --> 00:13:06,320

It is specifically recordings of the sounds that humpback whales make underwater.

218

00:13:10,320 --> 00:13:12,320

This is an ideal control.

219

00:13:12,320 --> 00:13:16,320

Number one, they make very loud sounds that can be heard for many miles underwater.

220

00:13:16,320 --> 00:13:19,320

Two, they are ubiquitous to all the oceans of the world.

221

00:13:19,320 --> 00:13:23,320

Three, they are not predators of sharks, so there's no reason a shark would look

222

00:13:23,320 --> 00:13:25,320

for any danger from the whale's sound.

223

00:13:25,320 --> 00:13:29,320

It makes an ideal control to the orca sound.

224

00:13:32,320 --> 00:13:36,320

It looks like we've got around 16 sharks.

225

00:13:36,320 --> 00:13:40,320

Very interested in what we're doing here on this wreck.

226

00:13:40,320 --> 00:13:42,320

I think we're good to go.

227

00:13:42,320 --> 00:13:43,320

Copy that, sir.

228

00:13:43,320 --> 00:13:47,320

I am about to press play on our control sound, the humpback whale.

229

00:13:47,320 --> 00:13:49,320

In three, two...

230

00:13:58,320 --> 00:14:01,320

That's definitely calling the home planet.

231

00:14:01,320 --> 00:14:04,320

And again, just for clarity.

232

00:14:05,320 --> 00:14:07,320

At this point, you might be wondering to yourself,

233

00:14:07,320 --> 00:14:09,320

self, how do sharks actually hear?

234

00:14:09,320 --> 00:14:13,320

It's a good question, and the answer is cool because they have two distinct organs

235

00:14:13,320 --> 00:14:15,320

for detecting sound.

236

00:14:15,320 --> 00:14:16,320

First is their ears.

237

00:14:16,320 --> 00:14:19,320

On each side of their head, they have a hole that leads to an ear canal,

238

00:14:19,320 --> 00:14:23,320

and inside of that are sensory macula, which detect sound.

239

00:14:23,320 --> 00:14:26,320

But in addition, running down the length of their entire bodies

240

00:14:26,320 --> 00:14:30,320

is an organ called the lateral line, which can detect vibration.

241

00:14:30,320 --> 00:14:33,320

And what can cause vibration underwater?

242

00:14:33,320 --> 00:14:35,320

Yes, sound waves.

243

00:14:37,320 --> 00:14:41,320

What that means is that the sharks are definitely hearing the whale song.

244

00:14:43,320 --> 00:14:45,320

But reacting to it, they ain't.

245

00:14:47,320 --> 00:14:50,320

Sharks are kind of cruising right by the speaker,

246

00:14:50,320 --> 00:14:55,320

and they're not interested in it or afraid of it. Over.

247

00:14:55,320 --> 00:15:00,320

So will the sharks' behavior change when they're hearing not whales,

248

00:15:00,320 --> 00:15:02,320

but their killer cousins?

249

00:15:02,320 --> 00:15:08,320

Jamie, we are commencing to play the orcasounds in three, two, one, and go.

250

00:15:20,320 --> 00:15:22,320

You can run, but you cannot hide. That's what they're saying.

251

00:15:22,320 --> 00:15:27,320

First impressions are not good as the sharks neither run nor hide.

252

00:15:27,320 --> 00:15:30,320

They're just hanging out, looking for action.

253

00:15:30,320 --> 00:15:33,320

Just like this guy right here.

254

00:15:33,320 --> 00:15:35,320

But all is not lost.

255

00:15:35,320 --> 00:15:39,320

Just to be clear, orcas apparently have a very sophisticated language.

256

00:15:39,320 --> 00:15:41,320

Lots of different sounds that they make.

257

00:15:41,320 --> 00:15:43,320

Some are communicating with each other, others are hunting.

258

00:15:43,320 --> 00:15:47,320

We are playing a greatest hit medley of orcasounds.

259

00:15:47,320 --> 00:15:51,320

In case one of them trips up or triggers the sharks, that's what we're looking for.

260

00:15:51,320 --> 00:15:57,320

By playing a mix of sounds, including what scientists think are hunting noises,

261

00:15:57,320 --> 00:16:01,320

the guys are increasing the chances of the sharks getting spooked.

262

00:16:05,320 --> 00:16:08,320

But after ten minutes of manic medley,

263

00:16:08,320 --> 00:16:13,320

this so sounds like a later Miles Davis album I'm not even kidding.

264

00:16:13,320 --> 00:16:15,320

There's no change at all.

265

00:16:15,320 --> 00:16:19,320

I can tell you that we've actually tried quite a few shark repellents over the years,

266

00:16:19,320 --> 00:16:22,320

and I have to say that this doesn't have to be the worst.

267

00:16:22,320 --> 00:16:26,320

There's absolutely no reaction to those sounds at all.

268

00:16:26,320 --> 00:16:28,320

Copy that, that's pretty definitive.

269

00:16:28,320 --> 00:16:30,320

You want to come to the surface?

270

00:16:30,320 --> 00:16:32,320

Okay, I'm coming up.

271

00:16:34,320 --> 00:16:35,320

Nice quick change.

272

00:16:35,320 --> 00:16:36,320

I was chilly.

273

00:16:36,320 --> 00:16:43,320

Okay, look, I like the theory that this story proposes that killer whales are a natural predator for sharks.

274

00:16:43,320 --> 00:16:48,320

Air go, the sounds that killer whales make might make sharks high-tailed out of the area.

275

00:16:48,320 --> 00:16:50,320

That makes sense to me.

276

00:16:50,320 --> 00:16:54,320

Well, it may make sense, but I didn't see any evidence of that at all.

277

00:16:54,320 --> 00:16:56,320

Those sharks didn't care what sounds we were playing.

278

00:16:56,320 --> 00:16:57,320

So this one's busted?

279

00:16:57,320 --> 00:16:58,320

It's gotta be.

280

00:16:58,320 --> 00:17:00,320

Alright, let's go get some fish and chips.

281

00:17:00,320 --> 00:17:01,320

Sounds good.

282

00:17:08,320 --> 00:17:15,320

The climax of Jaws is one of the most famous finales in film history.

283

00:17:15,320 --> 00:17:17,320

Smile, you son of a...

284

00:17:21,320 --> 00:17:24,320

But when the Mythbusters put it to the test...

285

00:17:24,320 --> 00:17:27,320

Three, two, one!

286

00:17:29,320 --> 00:17:32,320

They got not a bomb, but a rocket.

287

00:17:32,320 --> 00:17:34,320

Hey, shark is still alive.

288

00:17:34,320 --> 00:17:35,320

Totally busted.

289

00:17:37,320 --> 00:17:39,320

Now, ten years later,

290

00:17:39,320 --> 00:17:43,320

the Mythbusters are re-tackling this fan favorite.

291

00:17:43,320 --> 00:17:49,320

To find out once and for all if a rocketing air tank could have killed Jaws.

292

00:17:49,320 --> 00:17:53,320

Our shark is, of course, done, but that is only half of his raison d'etre.

293

00:17:53,320 --> 00:17:56,320

Well, it's time for you to go for a swim, little buddy.

294

00:17:56,320 --> 00:18:01,320

No, in order to fulfill his given purpose, he needs to be shot at.

295

00:18:01,320 --> 00:18:04,320

Nice! He's flying!

296

00:18:04,320 --> 00:18:08,320

Specifically for the right ambience, he needs to be shot at in water.

297

00:18:08,320 --> 00:18:10,320

Oh, he looks so good.

298

00:18:10,320 --> 00:18:12,320

And that is, of course, what's behind me.

299

00:18:12,320 --> 00:18:15,320

Pit 232 in lovely Ion, California.

300

00:18:15,320 --> 00:18:19,320

Soon we will lower our shark into this water, and we're going to be shooting at him.

301

00:18:19,320 --> 00:18:23,320

Now, in the movie, Jaws has a scoop tank with its end right about here.

302

00:18:23,320 --> 00:18:27,320

In our earlier tests, we found that if we shoot a tank like that,

303

00:18:27,320 --> 00:18:31,320

the air coming out of that makes the tank effectively a rocket.

304

00:18:31,320 --> 00:18:35,320

So, for our first test, we want to find out what happens to that rocket.

305

00:18:35,320 --> 00:18:37,320

Does it go through the esophagus?

306

00:18:37,320 --> 00:18:41,320

Because if it does, and it makes it through the gullet and into the stomach,

307

00:18:41,320 --> 00:18:44,320

our expert at Academy of Science indicates that that's going to mean

308

00:18:44,320 --> 00:18:47,320

that it's ruptured a bunch of sensitive organs along the way.

309

00:18:47,320 --> 00:18:50,320

And that means a dead shark.

310

00:18:50,320 --> 00:18:52,320

That's the theory.

311

00:18:52,320 --> 00:18:57,320

And to put it to the test, Brewster is carefully driven into the drink.

312

00:18:59,320 --> 00:19:01,320

You got me more gentle than that.

313

00:19:01,320 --> 00:19:02,320

Sorry about that.

314

00:19:02,320 --> 00:19:04,320

Okay, out of water.

315

00:19:04,320 --> 00:19:08,320

That right there, my friends, is a perfect frickin' shark.

316

00:19:08,320 --> 00:19:10,320

Adams right.

317

00:19:10,320 --> 00:19:14,320

Brewster is the most anatomically accurate shark analog they've ever built.

318

00:19:14,320 --> 00:19:20,320

But he's only complete with a standard scoop tank that's storing some serious energy.

319

00:19:20,320 --> 00:19:24,320

That looks perfect, Jamie. Excellent.

320

00:19:24,320 --> 00:19:31,320

With nearly everything matching the clip, including the gun, and the distance to the target.

321

00:19:31,320 --> 00:19:32,320

So how are you feeling?

322

00:19:32,320 --> 00:19:34,320

I'm feeling good. We're sighted in and ready to shoot.

323

00:19:34,320 --> 00:19:36,320

All right.

324

00:19:36,320 --> 00:19:41,320

Will they turn the tank into a shark-killing torpedo?

325

00:19:41,320 --> 00:19:43,320

The gun is hot.

326

00:19:52,320 --> 00:19:57,320

I can still see the tank, but it didn't make it past the gullet.

327

00:19:58,320 --> 00:20:00,320

Well, we just put the tank in our shark's mouth.

328

00:20:00,320 --> 00:20:03,320

We fired at its bottom, a perfect hit.

329

00:20:03,320 --> 00:20:06,320

It behaved exactly as we expected.

330

00:20:06,320 --> 00:20:15,320

The tank started releasing its pressure through the bullet hole, which drove the tank into Brewster's gullet, but not past its esophagus.

331

00:20:15,320 --> 00:20:22,320

At this point, it looks like it might be survivable for our shark, that the tank just got wedged in his throat,

332

00:20:22,320 --> 00:20:26,320

and he could potentially, peristaltically cough it back up.

333

00:20:26,320 --> 00:20:30,320

Like 2005, they got a rocket and not a bomb.

334

00:20:30,320 --> 00:20:33,320

Dude, it's not very toughly wedged in there.

335

00:20:33,320 --> 00:20:38,320

And a closer inspection shows that the rocket didn't have the power to sink their shark.

336

00:20:38,320 --> 00:20:42,320

There's your problem. It's a pretty good deal you called the shark doctor.

337

00:20:44,320 --> 00:20:53,320

So the bullet hole did, in fact, turn this tank into a bit of a rocket, but it wasn't aggressive enough to actually do any damage to Brewster.

338

00:20:53,320 --> 00:21:02,320

We didn't see any indication of ripping or tearing in the mouth or the esophagus, and the tank went into the shark, but it didn't go past the gullet.

339

00:21:02,320 --> 00:21:06,320

So as far as we can tell, it's Brewster 1 Brody Nell.

340

00:21:06,320 --> 00:21:10,320

Still to come, Brody does get his fire in the hole.

341

00:21:10,320 --> 00:21:13,320

Three, two, one.

342

00:21:16,320 --> 00:21:20,320

But next, it's Adam's turn to put his life on the line.

343

00:21:24,320 --> 00:21:32,320

The mythbusters have just confirmed that a tank that becomes a rocket courtesy of a bullet from Brody...

344

00:21:35,320 --> 00:21:38,320

It's a fire-breathing dragon of a shark.

345

00:21:38,320 --> 00:21:43,320

...would not have killed Jaws, so it's time to go for a broke on the boom.

346

00:21:45,320 --> 00:21:51,320

Now with the second test, we are now going to try and implement the fan suggestion of not just shooting the tank with a bullet,

347

00:21:51,320 --> 00:21:59,320

but shooting it on the angle, creating potentially a wider bullet hole and a fatal breach that could potentially cause the tank to explode.

348

00:21:59,320 --> 00:22:00,320

Let me explain.

349

00:22:01,320 --> 00:22:04,320

Now in the previous test, I shot the tank here.

350

00:22:04,320 --> 00:22:07,320

Now I'm going to be attempting to shoot about here.

351

00:22:07,320 --> 00:22:17,320

That is on a much more glancing angle to the surface of that tank, and it could potentially cause either a wider bullet hole or the bullet could dig in and climb back out,

352

00:22:17,320 --> 00:22:21,320

creating a breach that causes the tank to blow up completely.

353

00:22:22,320 --> 00:22:29,320

That's the fan theory, but with a new tank for Adam to take down, will they get the explosion this myth needs?

354

00:22:35,320 --> 00:22:37,320

I heard it go ding!

355

00:22:38,320 --> 00:22:41,320

I see a ricochet point dead center for the tank.

356

00:22:41,320 --> 00:22:43,320

With no boom, the guys go again.

357

00:22:46,320 --> 00:22:48,320

I feel like I moved the tank.

358

00:22:48,320 --> 00:22:49,320

And again.

359

00:22:49,320 --> 00:22:51,320

How much abuse can this tank take?

360

00:22:53,320 --> 00:22:56,320

It's just glancing off the side of that tank.

361

00:22:56,320 --> 00:22:59,320

And a couple more times for good measure.

362

00:22:59,320 --> 00:23:08,320

Now we've fired six glancing shots to the side of the tank to get it to split open, but they're all just ricocheting off, so we're going to try and get it to split open.

363

00:23:08,320 --> 00:23:14,320

But they're all just ricocheting off, so instead of these standard 30 odd six rounds.

364

00:23:15,320 --> 00:23:20,320

We're going to use these, which are 30 odd six armor piercing rounds.

365

00:23:20,320 --> 00:23:25,320

If these can't cause a fatal breach while hitting the side of the tank, well then nothing will.

366

00:23:27,320 --> 00:23:33,320

Fired from the same gun as the film, will this armor piercing projectile finally deliver a detonation?

367

00:23:34,320 --> 00:23:35,320

Gun is hot!

368

00:23:39,320 --> 00:23:42,320

It just bounced right off!

369

00:23:44,320 --> 00:23:56,320

Now we had feedback or criticism rather from viewers that said that Brody could have possibly hit a glancing blow along the side of the tank, which would open it up like a zipper and cause an explosion.

370

00:23:57,320 --> 00:24:05,320

At this point we fired six bullets in that orientation of the tank, and then a seventh one, which was armor piercing, and not one of them actually did that.

371

00:24:05,320 --> 00:24:09,320

So at this point it's first or two Brody nil.

372

00:24:10,320 --> 00:24:15,320

While Brody works on a plan C, what else is on the docket?

373

00:24:16,320 --> 00:24:19,320

Next up, dead shark repellent.

374

00:24:19,320 --> 00:24:21,320

Why would you want a repellent dead shark?

375

00:24:21,320 --> 00:24:28,320

No, no, the use of a dead shark as a repellent that supposedly, the myth is sharks don't like the smell of other dead sharks.

376

00:24:28,320 --> 00:24:33,320

Thus if you have the essence of dead shark on you, you will be protected from sharks.

377

00:24:33,320 --> 00:24:36,320

Well, there's a certain morbid logic to that.

378

00:24:36,320 --> 00:24:38,320

I totally agree, and I think we should test it.

379

00:24:40,320 --> 00:24:43,320

Add to do just that, it's back to the Bahamas.

380

00:24:44,320 --> 00:24:52,320

What is the origin of this story? Well, it comes from fishermen. They learned that if they dragged a dead shark behind their boat, it kept sharks from eating their catch.

381

00:24:52,320 --> 00:24:55,320

We are not going to test this by strapping a dead shark to Jamie.

382

00:24:55,320 --> 00:24:57,320

I'm getting in the water with those guys.

383

00:24:57,320 --> 00:25:04,320

To be a little more scientific, we're going to use this. This little bottle is full of distilled essence of dead sharks.

384

00:25:07,320 --> 00:25:11,320

That's bad to me, but apparently it's kryptonite to a shark.

385

00:25:11,320 --> 00:25:16,320

Although it started as a fisherman's fable, there is science to this story.

386

00:25:17,320 --> 00:25:21,320

So I've done some research into this stench of death thing, and it's pretty interesting.

387

00:25:22,320 --> 00:25:27,320

It was first observed by the ecologist E.O. Wilson and social ants.

388

00:25:27,320 --> 00:25:33,320

He noticed that when an ant died, its buddies picked it up and carried it off to some sort of ant cemetery.

389

00:25:33,320 --> 00:25:43,320

And so he found that what was happening was that the ant was releasing something called oleic acid when it died, and the other ants were picking up on it, and that's why they did that.

390

00:25:43,320 --> 00:25:49,320

Since then, other scientists have noticed the same phenomenon and things like cockroaches and wood lice.

391

00:25:49,320 --> 00:25:55,320

And it kind of makes sense if you think about it. I mean, if something killed your buddy, it might want to kill you too.

392

00:25:56,320 --> 00:26:06,320

That's the theory for insects, but sharks will supposedly head for the hills when they encounter the stench of death. Time to put that to the test.

393

00:26:08,320 --> 00:26:11,320

Here's our plan. First up, of course, we need sharks.

394

00:26:11,320 --> 00:26:20,320

To that end, we buried a bait box full of fish guts in a fake rock down at the bottom, and it is slowly doing our work for us of gathering together a large swarm of sharks.

395

00:26:21,320 --> 00:26:27,320

When the swarm's big enough, I'm going to go down there and release essence of dead shark right into the middle of it.

396

00:26:28,320 --> 00:26:37,320

I will also be underwater, but a few dozen feet away, so I can watch carefully for any behavioral difference in the sharks once Jamie releases the essence.

397

00:26:37,320 --> 00:26:41,320

Whether they get skittish, whether they flee, or whether they don't seem to notice at all.

398

00:26:44,320 --> 00:26:48,320

For Jamie, the preparation's easy. For Adam, not so much.

399

00:26:49,320 --> 00:26:54,320

I got this thing with my ears. It's a long story, but they're broken, effectively, and so I need to go down in a special helmet.

400

00:26:55,320 --> 00:27:02,320

It'll give me full calm. I'll be able to talk to Jamie. Best of all, I'll be able to wear my glasses underwater. That's never happened before.

401

00:27:03,320 --> 00:27:04,320

Slowly but surely.

402

00:27:08,320 --> 00:27:15,320

Adam sinks to the seabed before he then takes up his position and starts crunching the numbers.

403

00:27:16,320 --> 00:27:25,320

All right, I counted at least one, two, three, four, five, six, seven. At least a dozen sharks, if not maybe close to 20.

404

00:27:26,320 --> 00:27:31,320

That's Jamie's cue to get in and swim to their bait-filled fake rock.

405

00:27:33,320 --> 00:27:35,320

How you doing over there, Adam?

406

00:27:36,320 --> 00:27:44,320

It's from here that he'll release the essence of dead shark from a pressurized balloon that should ensure a dramatic dispersal.

407

00:27:47,320 --> 00:27:55,320

Okay, well, this is the real deal, and as you can see, we've got some sharks circling around here. Here we go.

408

00:27:55,320 --> 00:28:00,320

Bounce and clip. Essence of dead shark. Three, two, one, and...

409

00:28:03,320 --> 00:28:13,320

That was a very specific reaction. I mean, it was like instantaneous, the moment you cracked the seal. I saw the sharks like shivering to get the freak out of the way.

410

00:28:14,320 --> 00:28:19,320

Yeah, that's about right. I don't like that smell. I gotta get out of here really quickly.

411

00:28:19,320 --> 00:28:30,320

What was once a shiver of sharks has just 90 seconds later become barren with not a single shark to be seen, despite the bait box staying in place.

412

00:28:31,320 --> 00:28:32,320

But that's not the only thing to note.

413

00:28:33,320 --> 00:28:35,320

The other fish, they don't seem to care.

414

00:28:36,320 --> 00:28:42,320

I totally agree. It's very apparent that the fish don't care about the smell of dead sharks, but all we do, the sharks seem to care.

415

00:28:43,320 --> 00:28:45,320

Three minutes in, and there's still no sharks.

416

00:28:46,320 --> 00:28:51,320

Jamie, it's almost like as if this versus the exclusion zone gets wider and wider.

417

00:28:52,320 --> 00:28:58,320

In fact, it's almost six minutes before some sharks start to venture back, and that's very good news for the myth.

418

00:28:59,320 --> 00:29:00,320

Well, that went spectacularly.

419

00:29:01,320 --> 00:29:09,320

As soon, I mean, the very second that Jamie clipped the zip tie, I watched the closest shark to him turn its head as if it was smelling the worst smell in the world.

420

00:29:10,320 --> 00:29:13,320

And within two minutes, the entire zone is clear of shark.

421

00:29:14,320 --> 00:29:16,320

That shark repellent, as far as I can see, worked.

422

00:29:17,320 --> 00:29:20,320

But it's not science unless it's repeatable, and so we're going to try this test again.

423

00:29:21,320 --> 00:29:22,320

I think we're going to take it up a notch.

424

00:29:23,320 --> 00:29:26,320

Yep, the boys are going to cue a feeding frenzy.

425

00:29:27,320 --> 00:29:29,320

I'm getting rewarned by the tales of these things.

426

00:29:34,320 --> 00:29:36,320

In the Jaws finale revisit,

427

00:29:40,320 --> 00:29:43,320

it's time to bring out the big guns.

428

00:29:44,320 --> 00:29:48,320

The myth of Brody shooting and exploding the scuba tank in the shark's mouth is totally busted.

429

00:29:49,320 --> 00:29:57,320

We have definitively proven through a series of multiple tests that no matter what angle he was shooting that tank, he could not cause it to explode.

430

00:29:58,320 --> 00:30:01,320

But that does not mean that we are done shooting at stuff.

431

00:30:02,320 --> 00:30:07,320

For instance, what if instead of saying, I think we need a bigger boat, Brody's phrase was, I think we need a bigger gun.

432

00:30:07,320 --> 00:30:08,320

Found one.

433

00:30:09,320 --> 00:30:16,320

That's right. Instead of shooting at that tank with a bullet this big, we are now going to be shooting at that tank with a bullet this big.

434

00:30:18,320 --> 00:30:19,320

Here we go.

435

00:30:20,320 --> 00:30:22,320

It's the last chance to learn for the myth.

436

00:30:23,320 --> 00:30:24,320

Gun is hot.

437

00:30:25,320 --> 00:30:32,320

But will around from the .50 caliber sniper rifle, a gun way more powerful than Brody used, finally cause the dive tank to detonate.

438

00:30:33,320 --> 00:30:36,320

Okay, through the bottom of the tank with a .50 cal.

439

00:30:37,320 --> 00:30:40,320

And three, two, one.

440

00:30:42,320 --> 00:30:47,320

Oh, hey, look at that. The tank is still spinning.

441

00:30:48,320 --> 00:30:49,320

Well, the tank didn't blow though.

442

00:30:50,320 --> 00:30:52,320

No, it didn't. It's rolling around behind the shark.

443

00:30:54,320 --> 00:30:56,320

Wow, that is a far out reaction.

444

00:30:56,320 --> 00:30:58,320

This test was always about the explosion.

445

00:30:59,320 --> 00:31:03,320

Can the super high caliber rifle cause a scuba tank to fail explosively?

446

00:31:04,320 --> 00:31:05,320

And the answer is no, it can't.

447

00:31:06,320 --> 00:31:08,320

Yet another test without a boom.

448

00:31:09,320 --> 00:31:10,320

But there's a wrinkle here, right?

449

00:31:11,320 --> 00:31:17,320

Because the larger boat created by the .50 caliber bullet made that much more of a rocket effect, sending the scuba tank, rocketing down the esophagus and into the gullet.

450

00:31:18,320 --> 00:31:20,320

And by every measure we were looking at, killed a shark.

451

00:31:21,320 --> 00:31:22,320

Yep, the bigger bullet.

452

00:31:22,320 --> 00:31:24,320

And by every measure we were looking at, killed a shark.

453

00:31:25,320 --> 00:31:32,320

Yep, the bigger gun created a bigger hole which generated enough thrust to turn the tank into a fatal torpedo.

454

00:31:34,320 --> 00:31:39,320

But by using the bigger gun, the guys were only interested in creating an explosion.

455

00:31:40,320 --> 00:31:42,320

And to that end, this test was a failure.

456

00:31:44,320 --> 00:31:49,320

To try one last time, the guys reset with the tank positioned across Jaws' mouth.

457

00:31:49,320 --> 00:31:52,320

But will this give them their brody boom?

458

00:31:53,320 --> 00:31:57,320

Even though that's not how it was in the movie, the walls are thinner through the middle of the tank.

459

00:31:58,320 --> 00:32:06,320

And if I shoot it clean through there, I think that's our best shot at actually having the whole tank break apart and cause the explosion that we're looking for.

460

00:32:07,320 --> 00:32:08,320

I'm good to go.

461

00:32:10,320 --> 00:32:14,320

In, three, two, one, firing.

462

00:32:16,320 --> 00:32:17,320

Whoa!

463

00:32:19,320 --> 00:32:20,320

What happened?

464

00:32:20,320 --> 00:32:23,320

I can't quite tell what happened. The tank is gone.

465

00:32:25,320 --> 00:32:29,320

Even with a 50-cow hitting the side of the tank, there's still no explosion.

466

00:32:30,320 --> 00:32:32,320

And that means there's only one conclusion to make.

467

00:32:34,320 --> 00:32:38,320

So the fans complained that we didn't do right by our shark. How do you want to call it now?

468

00:32:39,320 --> 00:32:44,320

Look, we have thrown everything we can at the scuba tank in the shark's mouth to get it to blow up.

469

00:32:45,320 --> 00:32:47,320

Armor piercing bullet, 50-caliber rifle and nothing has done it.

470

00:32:47,320 --> 00:32:53,320

I think we've definitively proven there is no way you can get that type of tank to blow up with a bullet.

471

00:32:54,320 --> 00:32:55,320

This thing is totally busted. You agree?

472

00:32:56,320 --> 00:32:57,320

Yep. Let's go.

473

00:32:57,320 --> 00:32:58,320

Alright.

474

00:33:01,320 --> 00:33:06,320

That's not it. Oh yeah, you still get to watch a shark explode. Yeah, this is Mythbusters after all.

475

00:33:07,320 --> 00:33:11,320

Make no mistake, this myth will end with a bang.

476

00:33:11,320 --> 00:33:12,320

Oh!

477

00:33:15,320 --> 00:33:17,320

But first, it's back to shark central.

478

00:33:19,320 --> 00:33:21,320

Where, after a stellar start...

479

00:33:22,320 --> 00:33:23,320

Wow!

480

00:33:23,320 --> 00:33:27,320

And it was like instantaneous, the moment you cracked the seal.

481

00:33:27,320 --> 00:33:33,320

The guys are all set to see if the smell of dead shark can pass the ultimate test.

482

00:33:34,320 --> 00:33:37,320

We're about to do this test again with a critical difference.

483

00:33:37,320 --> 00:33:42,320

The last time we had a bait box putting out a scent trail that the sharks find interesting.

484

00:33:42,320 --> 00:33:43,320

So that's what we had.

485

00:33:43,320 --> 00:33:48,320

We had a bunch of interested sharks swimming through, kind of wondering where the food is.

486

00:33:48,320 --> 00:33:53,320

This time, we're going to have the same, but we're also going to be feeding them down there.

487

00:33:54,320 --> 00:33:55,320

Feeding them a lot.

488

00:33:55,320 --> 00:33:57,320

We want them on the edge of a friends.

489

00:33:57,320 --> 00:34:01,320

This increases the number of sharks, increases how interested in food they are.

490

00:34:01,320 --> 00:34:09,320

It also radically increases our danger, but it is exactly the kind of worst case scenario that you would want a shark repellent to work in.

491

00:34:10,320 --> 00:34:14,320

Deliberately creating a feeding frenzy is seriously dangerous.

492

00:34:15,320 --> 00:34:18,320

So much so that Jamie's taking no chances.

493

00:34:19,320 --> 00:34:23,320

We are in fact talking about creating intentionally a feeding frenzy.

494

00:34:23,320 --> 00:34:27,320

And we're going to have to prepare for that because things could get a little out of control.

495

00:34:27,320 --> 00:34:31,320

In fact, we kind of want them to get a little out of control.

496

00:34:31,320 --> 00:34:35,320

The chain mail should keep Jamie safe, but there's a problem.

497

00:34:36,320 --> 00:34:40,320

Unfortunately, my head kind of stands out like a beacon.

498

00:34:40,320 --> 00:34:43,320

Everything else is covered except my head.

499

00:34:43,320 --> 00:34:51,320

And these masks that allow us to talk, they don't allow me to put the chain mail over it because it

messes with the seal.

500

00:34:51,320 --> 00:34:54,320

So the beret is going to have to do.

501

00:34:58,320 --> 00:35:06,320

Like last time, Adam heads in first and it's immediately clear that the sharks are both hungry.

502

00:35:07,320 --> 00:35:09,320

The sharks are trying to eat our camera.

503

00:35:09,320 --> 00:35:11,320

And numerous.

504

00:35:11,320 --> 00:35:15,320

Every now and then one of these sharks comes right towards me with a really curious look in his eye.

505

00:35:15,320 --> 00:35:17,320

I do not like that look.

506

00:35:18,320 --> 00:35:22,320

Next, Jamie enters the ring and the feeding frenzy can begin.

507

00:35:22,320 --> 00:35:29,320

Yeah, these guys are like inches away from me.

508

00:35:29,320 --> 00:35:32,320

You are really surrounded.

509

00:35:32,320 --> 00:35:37,320

With food in the water, the sharks are coming closer than ever before.

510

00:35:38,320 --> 00:35:44,320

For some reason, I kind of feel like I should be keeping my hand close to my body.

511

00:35:45,320 --> 00:35:48,320

Which is perfect for this ultimate test.

512

00:35:48,320 --> 00:35:51,320

Jamie, I think you can do it.

513

00:35:51,320 --> 00:35:54,320

I think we'll count down from five, okay?

514

00:35:54,320 --> 00:35:58,320

Five, four, three, two, one.

515

00:36:08,320 --> 00:36:14,320

When it comes to sharks, the mythbusters have history.

516

00:36:14,320 --> 00:36:16,320

He was like...

517

00:36:16,320 --> 00:36:23,320

From trying to attract them to fending them off.

518

00:36:24,320 --> 00:36:30,320

The guys have spent 12 years putting 25 fishy fables to the test.

519

00:36:30,320 --> 00:36:34,320

What's the deal with my generating moment?

520

00:36:34,320 --> 00:36:36,320

You're there.

521

00:36:37,320 --> 00:36:43,320

But in our own California, it's finally time for the one that got away.

522

00:36:44,320 --> 00:36:46,320

Whoa, whoa!

523

00:36:46,320 --> 00:36:49,320

I know that we are famous for saying failure is always an option,

524

00:36:49,320 --> 00:36:54,320

but having failed to make that shark explode so far, it is time to stop failing.

525

00:36:54,320 --> 00:36:59,320

We are getting rid of the guns and we are going to make this tank explode with an old friend of ours.

526

00:36:59,320 --> 00:37:02,320

That's right, Jamie's favorite, C4.

527

00:37:02,320 --> 00:37:05,320

When in doubt, C4.

528

00:37:05,320 --> 00:37:11,320

Now the amount of C4 we've got on the side of this tank is not enough to blow up that shark, and that's on purpose.

529

00:37:11,320 --> 00:37:20,320

This is enough to breach this tank so we can answer definitively whether the released energy from this exploding tank can blow up that shark like we saw in Jaws.

530

00:37:21,320 --> 00:37:26,320

The tiny amount of C4 is effectively the catalyst in this reaction.

531

00:37:26,320 --> 00:37:29,320

It's always nice when you know you're doing something for the last time.

532

00:37:30,320 --> 00:37:36,320

Just enough to rupture the tank and release almost one million joules of energy from inside.

533

00:37:36,320 --> 00:37:38,320

Alright, there we go.

534

00:37:38,320 --> 00:37:40,320

But what will that do to Brewster?

535

00:37:40,320 --> 00:37:46,320

You've served us well, and I appreciate you donating your fake body for science.

536

00:37:49,320 --> 00:37:51,320

Alright, this one's for the money.

537

00:37:51,320 --> 00:37:53,320

This is the big movie finale shot.

538

00:37:53,320 --> 00:37:55,320

Exploding shark in...

539

00:37:55,320 --> 00:37:57,320

five...

540

00:37:57,320 --> 00:37:59,320

four...

541

00:37:59,320 --> 00:38:00,320

three...

542

00:38:00,320 --> 00:38:01,320

two...

543

00:38:01,320 --> 00:38:03,320

one...

544

00:38:05,320 --> 00:38:06,320

Oh!

545

00:38:16,320 --> 00:38:17,320

That was worth it.

546

00:38:17,320 --> 00:38:19,320

It took the head clean off.

547

00:38:19,320 --> 00:38:21,320

Hahahaha!

548

00:38:25,320 --> 00:38:28,320

It's a boom to make Brody proud.

549

00:38:30,320 --> 00:38:36,320

The air tank delivered such a huge payload that Brewster was blown sky high.

550

00:38:36,320 --> 00:38:43,320

And while the movie scene itself was busted, the explosion was definitely worth the wait.

551

00:38:49,320 --> 00:38:56,320

Surrounded by more than 20 feeding frenzied sharks...

552

00:38:56,320 --> 00:38:59,320

Yeah, these guys are like inches away from me.

553

00:38:59,320 --> 00:39:01,320

You are really surrounded.

554

00:39:01,320 --> 00:39:05,320

This is the ultimate test for the dead shark repellent.

555

00:39:05,320 --> 00:39:09,320

Because if it can shoo away sharks that are in attack mode,

556

00:39:09,320 --> 00:39:12,320

then it'll be well and truly mission accomplished.

557

00:39:12,320 --> 00:39:14,320

Timmy, I think you can do it.

558

00:39:14,320 --> 00:39:17,320

I think we'll count down from five, okay?

559

00:39:17,320 --> 00:39:22,320

Five, four, three, two, release!

560

00:39:22,320 --> 00:39:24,320

Okay, here we go.

561

00:39:25,320 --> 00:39:27,320

Okay, it's out.

562

00:39:27,320 --> 00:39:30,320

Now look at them, they're totally high-tailing it out of the area.

563

00:39:30,320 --> 00:39:31,320

Amazing!

564

00:39:31,320 --> 00:39:36,320

Like rats leaving a sinking ship, the sharks flee en masse.

565

00:39:36,320 --> 00:39:38,320

What an instantaneous effect.

566

00:39:38,320 --> 00:39:41,320

Where there were 20, there's now just two.

567

00:39:41,320 --> 00:39:44,320

Wow, that only took seconds.

568

00:39:44,320 --> 00:39:46,320

There's still sharks around to be sure,

569

00:39:46,320 --> 00:39:50,320

but one second I was in a ball of them,

570

00:39:50,320 --> 00:39:52,320

and now they're just not here.

571

00:39:52,320 --> 00:39:55,320

They instantly left me.

572

00:39:55,320 --> 00:39:58,320

Well, ten years of trying a whole bunch of shark repellents,

573

00:39:58,320 --> 00:40:00,320

we seem to have found one that works amazingly.

574

00:40:00,320 --> 00:40:02,320

Yeah, I'd agree.

575

00:40:02,320 --> 00:40:06,320

You want a shark repellent when you feel like you're in danger.

576

00:40:06,320 --> 00:40:10,320

And I was feeling like things were getting pretty intense there.

577

00:40:10,320 --> 00:40:13,320

So I released this stuff right at the height of that,

578

00:40:13,320 --> 00:40:15,320

and it instantly chilled things.

579

00:40:15,320 --> 00:40:18,320

That's exactly what you want a shark repellent.

580

00:40:19,320 --> 00:40:22,320

Yep, the test literally couldn't have gone any better.

581

00:40:22,320 --> 00:40:27,320

And like last time, it's more than five minutes before the sharks return.

582

00:40:27,320 --> 00:40:29,320

So what's the verdict?

583

00:40:32,320 --> 00:40:34,320

So, our shark repellent works.

584

00:40:34,320 --> 00:40:36,320

That's one way to put it.

585

00:40:36,320 --> 00:40:39,320

A more accurate scientific way to put it would be that our shark repellent worked

586

00:40:39,320 --> 00:40:41,320

on the sharks we encountered today.

587

00:40:41,320 --> 00:40:44,320

Specifically reef sharks and nurse sharks.

588

00:40:44,320 --> 00:40:46,320

But, here is the most interesting fact.

589

00:40:46,320 --> 00:40:50,320

The essence of dead shark we were using didn't come from either of those two species.

590

00:40:50,320 --> 00:40:54,320

So we could extrapolate that our shark repellent might work

591

00:40:54,320 --> 00:40:57,320

against many, many different species of sharks.

592

00:40:57,320 --> 00:40:59,320

And that is darn cool.

593

00:41:01,320 --> 00:41:04,320

So after all these years we found a shark repellent that works.

594

00:41:04,320 --> 00:41:05,320

Yeah, it's confirmed.

595

00:41:05,320 --> 00:41:07,320

I'd say it's totally confirmed. Amazing.

596

00:41:07,320 --> 00:41:09,320

Because being on the water making you as hungry as it makes me,

597

00:41:09,320 --> 00:41:11,320

I need a burger right now.

598

00:41:11,320 --> 00:41:12,320

Yeah, let's go.

599

00:41:12,320 --> 00:41:14,320

Let's get out of here.

600

00:41:14,320 --> 00:41:15,320

Bye sharks.

601

00:41:15,320 --> 00:41:17,320

Thanks for playing.