

From: [Ardizzone, Chuck CA](#)
To: [Stone, Kelli L](#); [delaGarza, Laura](#); [Gardiner, Dawn](#); [Orms, Mary](#); [Leiva, Adriana](#); [Harrell, Wade](#)
Subject: Re: SpaceX
Date: Thursday, April 20, 2023 10:46:49 AM

looks like they changed and went to a static picture...it had a good launch video originally.

Chuck Ardizzone
Project Leader
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From: Stone, Kelli L <kelli_stone@fws.gov>
Sent: Thursday, April 20, 2023 10:42
To: Ardizzone, Chuck CA <chuck_ardizzone@fws.gov>; delaGarza, Laura <laura_delagarza@fws.gov>; Gardiner, Dawn <dawn_gardiner@fws.gov>; Orms, Mary <mary_orms@fws.gov>; Leiva, Adriana <adriana_leiva@fws.gov>; Harrell, Wade <wade_harrell@fws.gov>
Subject: Re: SpaceX

thanks for link below and info from Chris.

The displacement of sand, gravel, debris etc. will have an impact on habitat as we all would assume and sadly (for habitats) it will just be another impact added upon others. The grass fire - I'll be curious where that occurred and to what degree.

Kelli Stone
(she/her)
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From: Ardizzone, Chuck CA <chuck_ardizzone@fws.gov>
Sent: Thursday, April 20, 2023 9:39 AM
To: delaGarza, Laura <laura_delagarza@fws.gov>; Gardiner, Dawn <dawn_gardiner@fws.gov>;

Orms, Mary <mary_orms@fws.gov>; Leiva, Adriana <adriana_leiva@fws.gov>; Stone, Kelli L <kelli_stone@fws.gov>; Harrell, Wade <wade_harrell@fws.gov>

Subject: Re: SpaceX

story and video

<https://www.newsmax.com/us/spacex-starship-launch-elon-musk/2023/04/20/id/1116889/>

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From: delaGarza, Laura <laura_delagarza@fws.gov>

Sent: Thursday, April 20, 2023 10:27

To: Gardiner, Dawn <dawn_gardiner@fws.gov>; Orms, Mary <mary_orms@fws.gov>; Ardizzone, Chuck CA <chuck_ardizzone@fws.gov>; Leiva, Adriana <adriana_leiva@fws.gov>; Stone, Kelli L <kelli_stone@fws.gov>; Harrell, Wade <wade_harrell@fws.gov>

Subject: Re: SpaceX

I noticed all the sand blown about and immediately thought of the displacement of it. I'm sure there will be impacts to the flats.

I wonder how the birds faired?

Laura M. de la Garza

Fish & Wildlife Biologist

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(I am on telework status until further notice, please email or call my work cell)

Matthew 6:21 "For where your treasure is, there will your heart be also"

From: Gardiner, Dawn <dawn_gardiner@fws.gov>
Sent: Thursday, April 20, 2023 10:03 AM
To: Orms, Mary <mary_orms@fws.gov>; delaGarza, Laura <laura_delagarza@fws.gov>; Ardizzone, Chuck CA <chuck_ardizzone@fws.gov>; Leiva, Adriana <adriana_leiva@fws.gov>; Stone, Kelli L <kelli_stone@fws.gov>; Harrell, Wade <wade_harrell@fws.gov>
Subject: Fw: SpaceX

From: Perez, Chris <chris_perez@fws.gov>
Sent: Thursday, April 20, 2023 10:00 AM
To: Marsan, Joan D <joan.marsan@sol.doi.gov>; DeLaGarza, Imer <Imer_DeLaGarza@fws.gov>; Perez, Sonny <sonny_perez@fws.gov>; Gardiner, Dawn <dawn_gardiner@fws.gov>
Subject: Re: SpaceX

SpaceX has initiated the anomaly response plan to address the debris from this launch. As soon as the area is safe to enter, I expect to tour the site to assess post-launch impacts. I don't expect debris from the ship/booster since it was aborted off the coast but the launch itself expelled lots of debris and started a grass fire. Camera equipment and vehicles left across the highway were significantly damaged and pieces strewn about. Concrete pieces and debris from the pad also seem to have been cast out.

From: Marsan, Joan D <joan.marsan@sol.doi.gov>
Sent: Thursday, April 20, 2023 9:58 AM
To: DeLaGarza, Imer <Imer_DeLaGarza@fws.gov>; Perez, Chris <chris_perez@fws.gov>; Perez, Sonny <sonny_perez@fws.gov>; Gardiner, Dawn <dawn_gardiner@fws.gov>
Subject: SpaceX

Hi, all,

Just checking in to see how this morning's launch treated you all and the Refuge...

Joan

Joan D. Marsan (she/her)
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