

# TOP 20 CONCERNS WITH A HARBOR ISLAND VLCC TERMINAL

## 1. Potentially toxic dredge spoil

[https://www.tceq.texas.gov/assets/public/comm\\_exec/pubs/gbnep/gbnep-23/gbnep\\_23\\_81-111.pdf](https://www.tceq.texas.gov/assets/public/comm_exec/pubs/gbnep/gbnep-23/gbnep_23_81-111.pdf)

<https://nctc.fws.gov/Pubs2/ci/AransasDredge.pdf>

## 2. Degradation of natural areas and resources in dredge spoil disposal areas

[https://www.tceq.texas.gov/assets/public/comm\\_exec/pubs/gbnep/gbnep-23/gbnep\\_23\\_81-111.pdf](https://www.tceq.texas.gov/assets/public/comm_exec/pubs/gbnep/gbnep-23/gbnep_23_81-111.pdf)

<https://nctc.fws.gov/Pubs2/ci/AransasDredge.pdf>

## 3. Risks associated with locating oil storage facility in storm surge prone area (3-8' above MSL)

<https://stateimpact.npr.org/texas/2013/10/07/how-hurricanes-that-hit-the-texas-coast-can-float-giant-tanks/>

<https://www.chron.com/business/energy/article/Harvey-toppled-storage-tanks-in-the-oil-patch-12191055.php>

<https://nypost.com/2017/09/12/harvey-floodwaters-trigger-massive-gasoline-spill/>

## 4. Increased erosion and property damage from increased ship traffic and size of vessels

<https://link.springer.com/article/10.1007/s12237-017-0245-y>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5663627/>

<https://www.sciencedirect.com/science/article/abs/pii/S1001605814600792>

## 5. Interruption of ferry service due to proximity to oil terminal and turning basin

<https://www.topoquest.com/map.php?lat=27.85218&lon=-97.07089&datum=nad27&zoom=16&map=auto&coord=d&mode=zoomin&size=m>

<http://portofcc.com/wp-content/uploads/PortofCorpusChristi-StrategicPlan-small.pdf> (pg 64)

## 6. Increased risk of oil spills/pollution/fires near residential and recreational areas

<https://www.marsh.com/us/insights/research/environmental-risks-at-ports-and-terminals-grow.html>

[http://www.ukmarinesac.org.uk/activities/ports/ph6\\_2\\_1.htm](http://www.ukmarinesac.org.uk/activities/ports/ph6_2_1.htm)

<https://www.aeroqual.com/ship-pollution-port-air-quality>

<https://www.nrdc.org/sites/default/files/ports2.pdf>

[https://www.youtube.com/watch?v=3GL7Azr5S\\_U&feature=youtu.be&fbclid=IwAR3JhoI4EAL4Wgn4n8BnpfsG3FeIBSL6mN6vnYmQwMNIT2V1QafwR1ZQaKs](https://www.youtube.com/watch?v=3GL7Azr5S_U&feature=youtu.be&fbclid=IwAR3JhoI4EAL4Wgn4n8BnpfsG3FeIBSL6mN6vnYmQwMNIT2V1QafwR1ZQaKs)

[http://www.texasstandard.org/stories/some-confused-mistrustful-after-conflicting-reports-of-health-hazards-from-deer-park-petrochemical-fire/?fbclid=IwAR0rQf\\_u6gYCWl1k9wvXCjTzQuW4pZ3Vi0cNcVecTYYbsgLPnuYCEXb4mMw](http://www.texasstandard.org/stories/some-confused-mistrustful-after-conflicting-reports-of-health-hazards-from-deer-park-petrochemical-fire/?fbclid=IwAR0rQf_u6gYCWl1k9wvXCjTzQuW4pZ3Vi0cNcVecTYYbsgLPnuYCEXb4mMw)

## 7. Increased intensity and height of storm surge due to deeper channel

[https://www.smithsonianmag.com/science-nature/port-cities-dredge-deeper-accomodate-cargo-ships-risk-flooding-rise-180970928/?fbclid=IwAR04PYXDWJyMcAsZnTkF0rVSDKu14XIFDfIcUh48WAZj269XN4DI\\_IGcu\\_k](https://www.smithsonianmag.com/science-nature/port-cities-dredge-deeper-accomodate-cargo-ships-risk-flooding-rise-180970928/?fbclid=IwAR04PYXDWJyMcAsZnTkF0rVSDKu14XIFDfIcUh48WAZj269XN4DI_IGcu_k)

[https://pdxscholar.library.pdx.edu/cgi/viewcontent.cgi?referer=https://www.google.com/&httpsredir=1&article=1373&context=cengin\\_fac](https://pdxscholar.library.pdx.edu/cgi/viewcontent.cgi?referer=https://www.google.com/&httpsredir=1&article=1373&context=cengin_fac)

[https://pdxscholar.library.pdx.edu/cgi/viewcontent.cgi?referer=https://www.google.com/&httpsredir=1&article=1373&context=cengin\\_fac](https://pdxscholar.library.pdx.edu/cgi/viewcontent.cgi?referer=https://www.google.com/&httpsredir=1&article=1373&context=cengin_fac)

## 8. Damage to seagrass beds from sediment suspension and light attenuation from dredging

<https://www.sciencedirect.com/science/article/pii/S027277148471050X>

<https://www.sciencedirect.com/science/article/pii/S0278434314003720?fbclid=IwAR1vPNnh7Qy3hrqvVHmCVZtDBLXKg64m5AZ38F1tUGFY9T9yDIQXi7gUgF8>

## 9. Negative impacts upon local tourist-based economy: fishing, birding, beaches, eco-tourism

[http://stedc.tamucc.edu/files/Tourism\\_2014.pdf](http://stedc.tamucc.edu/files/Tourism_2014.pdf)

<https://www.southernenvironment.org/news-and-press/news-feed/oil-drilling-infrastructure-drives-away-tourism-dollars>

[http://www.daturesearch.com/wp-content/uploads/WildlifeTourismReport\\_FINAL.pdf](http://www.daturesearch.com/wp-content/uploads/WildlifeTourismReport_FINAL.pdf)

[http://www.twdb.texas.gov/publications/reports/contracted\\_reports/doc/97483188d.pdf](http://www.twdb.texas.gov/publications/reports/contracted_reports/doc/97483188d.pdf)

<https://travelwirenews.com/hunter-visit-the-coastal-bend-one-of-the-top-tourism-destinations-in-texas-5-964139/>

## 10. Spill risk associated with pipelines running through and near bays and estuaries

<https://www.houstonpress.com/news/benzene-leaks-from-pipelines-have-been-quietly-adding-to-the-ship-channel-toxic-mix-8389333>

## 11. Chronic health issues known to be associated with oil and gas related facilities

<https://www.texasmonthly.com/articles/the-cancer-belt/>

<https://www.houstonpress.com/news/toxic-town-cancer-and-birth-defects-in-somerville-6575305>

[http://www.earthisland.org/journal/index.php/magazine/entry/life\\_on\\_refinery\\_row/?fbclid=IwAR0BpHaR775c3Hi1yh1LIUI4powZfUNfQVA5tcg3TvShlrg1hoXDdarkgvM](http://www.earthisland.org/journal/index.php/magazine/entry/life_on_refinery_row/?fbclid=IwAR0BpHaR775c3Hi1yh1LIUI4powZfUNfQVA5tcg3TvShlrg1hoXDdarkgvM)

<https://www.sciencedaily.com/releases/2013/07/130729083350.htm>

## 12. Restrictions on recreational boating due to security zone surrounding oil related facility

[https://www.ecfr.gov/cgi-bin/text-idx?SID=e4841b2479ee75b12ed7aa23bd332510&mc=true&node=se33.1.6\\_10466&rgn=div8](https://www.ecfr.gov/cgi-bin/text-idx?SID=e4841b2479ee75b12ed7aa23bd332510&mc=true&node=se33.1.6_10466&rgn=div8)

[https://www.ecfr.gov/cgi-bin/text-idx?SID=e4841b2479ee75b12ed7aa23bd332510&mc=true&node=se33.1.6\\_10165&rgn=div8](https://www.ecfr.gov/cgi-bin/text-idx?SID=e4841b2479ee75b12ed7aa23bd332510&mc=true&node=se33.1.6_10165&rgn=div8)

## 13. Decreased property values/tax base in Port Aransas

<https://www.southernenvironment.org/news-and-press/news-feed/oil-drilling-infrastructure-drives-away-tourism-dollars>

## 14. Disruption of marine-life migration through Aransas Pass (between Gulf of Mexico & estuary)

[https://utmsi.utexas.edu/images/MSI/Larvae\\_of\\_estuarine\\_dependent\\_species\\_Buskey\\_SMP1.pdf?fbclid=IwAR1Dsuvx0DwEoZ\\_T\\_cuwtnLj7EqYOedXPebhYv3VpV8QNjVcUk42lJ64aek](https://utmsi.utexas.edu/images/MSI/Larvae_of_estuarine_dependent_species_Buskey_SMP1.pdf?fbclid=IwAR1Dsuvx0DwEoZ_T_cuwtnLj7EqYOedXPebhYv3VpV8QNjVcUk42lJ64aek)

[https://books.google.com/books?id=E\\_Q0AQAAMAAJ&pg=PA224&lpg=PA224&dq=numbers+of+movement+of+larval+fish+through+aransas+pass&source=bl&ots=cfgnl2Sidd&sig=EduDKajj1Mnlmo4mLeeHQ6sZc&hl=en&sa=X&ved=0ahUKEwji-](https://books.google.com/books?id=E_Q0AQAAMAAJ&pg=PA224&lpg=PA224&dq=numbers+of+movement+of+larval+fish+through+aransas+pass&source=bl&ots=cfgnl2Sidd&sig=EduDKajj1Mnlmo4mLeeHQ6sZc&hl=en&sa=X&ved=0ahUKEwji-)

[8Hx27LcAhVI74MKHSjvB3o4ChDoAQgvMAM#v=onepage&q=numbers%2520of%2520movement%2520of%2520larval%2520fish%2520through%2520aransas%2520pass&f=false](https://books.google.com/books?id=E_Q0AQAAMAAJ&pg=PA224&lpg=PA224&dq=numbers+of+movement+of+larval+fish+through+aransas+pass&source=bl&ots=cfgnl2Sidd&sig=EduDKajj1Mnlmo4mLeeHQ6sZc&hl=en&sa=X&ved=0ahUKEwji-8Hx27LcAhVI74MKHSjvB3o4ChDoAQgvMAM#v=onepage&q=numbers%2520of%2520movement%2520of%2520larval%2520fish%2520through%2520aransas%2520pass&f=false)

<http://texasseagrant.org/assets/uploads/publications/2005/05-802.pdf>

<https://www.sciencedirect.com/science/article/pii/S0272771418304347>

## 15. Air pollution associated with oil related industry and historical lack of TCEQ enforcement

[https://www.theicct.org/sites/default/files/publications/Global-shipping-GHG-emissions-2013-2015\\_ICCT-Report\\_17102017\\_vF.pdf](https://www.theicct.org/sites/default/files/publications/Global-shipping-GHG-emissions-2013-2015_ICCT-Report_17102017_vF.pdf)

<https://www.aeroqual.com/ship-pollution-port-air-quality>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1440801/>

[https://apps.texastribune.org/pass-to-poison/?fbclid=IwAR0AUg0NgDyRWQ\\_f5DZSNRgaD48Ev0gcoeAkdP2wPgkoRGMnChm4kJ\\_Pvk](https://apps.texastribune.org/pass-to-poison/?fbclid=IwAR0AUg0NgDyRWQ_f5DZSNRgaD48Ev0gcoeAkdP2wPgkoRGMnChm4kJ_Pvk)

[https://apps.texastribune.org/pass-to-poison/?fbclid=IwAR0AUg0NgDyRWQ\\_f5DZSNRgaD48Ev0gcoeAkdP2wPgkoRGMnChm4kJ\\_Pvk](https://apps.texastribune.org/pass-to-poison/?fbclid=IwAR0AUg0NgDyRWQ_f5DZSNRgaD48Ev0gcoeAkdP2wPgkoRGMnChm4kJ_Pvk)

<https://www.houstonchronicle.com/opinion/editorials/article/Harvey-s-dirty-secret-Texas-didn-t-track-12942324.php>

## 16. Altered hydrology of entire bay system from creation of 80' deep channel

[https://www.smithsonianmag.com/science-nature/port-cities-dredge-deeper-accomodate-cargo-ships-risk-flooding-rise-180970928/?fbclid=IwAR04PYXDWJyMcAsZnTkFOrVSDKu14XIFdflcUh48WAZj269XN4DI\\_IGcu\\_k](https://www.smithsonianmag.com/science-nature/port-cities-dredge-deeper-accomodate-cargo-ships-risk-flooding-rise-180970928/?fbclid=IwAR04PYXDWJyMcAsZnTkFOrVSDKu14XIFdflcUh48WAZj269XN4DI_IGcu_k)

[https://www.smithsonianmag.com/science-nature/port-cities-dredge-deeper-accomodate-cargo-ships-risk-flooding-rise-180970928/?fbclid=IwAR04PYXDWJyMcAsZnTkFOrVSDKu14XIFdflcUh48WAZj269XN4DI\\_IGcu\\_k](https://www.smithsonianmag.com/science-nature/port-cities-dredge-deeper-accomodate-cargo-ships-risk-flooding-rise-180970928/?fbclid=IwAR04PYXDWJyMcAsZnTkFOrVSDKu14XIFdflcUh48WAZj269XN4DI_IGcu_k)

“Tidal inlets, either on the mainland or between barrier islands, can be altered by dredging, relocation, or artificial closure. Direct effects of dredging tidal inlets are changes in current patterns, which may change the location and degree of erosion and deposition events, and prevention of sand transfer across inlets. In either case, additional shoreline hardening is a common response.”

<https://www.sciencedirect.com/science/article/pii/B9780123744739000783>

## 17. Altered salinity and temperature gradients in bays and estuary

<https://repositories.lib.utexas.edu/handle/2152/23638>

<https://www.journals.uchicago.edu/doi/abs/10.2307/1539667>

[https://utmsi.utexas.edu/images/MSI/Larvae\\_of\\_estuarine\\_dependent\\_species\\_Buskey\\_SMP1.pdf?fbclid=IwAR1Dsuvx0DwEoZ\\_T\\_cuwtnLj7EqYOedXPebhYv3VpV8QNjVcUk42IJ64aek](https://utmsi.utexas.edu/images/MSI/Larvae_of_estuarine_dependent_species_Buskey_SMP1.pdf?fbclid=IwAR1Dsuvx0DwEoZ_T_cuwtnLj7EqYOedXPebhYv3VpV8QNjVcUk42IJ64aek)

## 18. Light & noise pollution associated with a VLCC terminal

<https://safety4sea.com/noise-in-ports-2/>

## 19. Disturbance/dispersal of toxic soil and ground water on Harbor Island (RRC Restricted Covenants)

<https://portaransasconservancy.com/restrictive-covenant>

## 20. Negative impact on local endangered and threatened species

<https://www.portasouthjetty.com/articles/whooping-cranes-seen-in-port-aransas/>

[https://www.fws.gov/refuge/Aransas/wildlife/sea\\_turtles.html](https://www.fws.gov/refuge/Aransas/wildlife/sea_turtles.html)

[https://tpwd.texas.gov/huntwild/wild/wildlife\\_diversity/nongame/publications/staff-publications.phtml](https://tpwd.texas.gov/huntwild/wild/wildlife_diversity/nongame/publications/staff-publications.phtml)

<http://oaktrust.library.tamu.edu/bitstream/handle/1969.1/ETD-TAMU-1877/LAFEVER-THESIS.pdf?sequence=1>