

**I MINA'TRENTAI SAIS NA LIHESLATURAN GUÅHAN
RESOLUTIONS**

Resolution No.	Sponsor	Title	Date Intro	Date of Presentation	Date Adopted	Date Referred	Referred to	PUBLIC HEARING DATE	DATE AUTHOR REPORT FILED	NOTES
210-36 (COR)	Sabina Flores Perez Therese M. Terlaje Telo T. Taitague Joanne Brown	RELATIVE TO REAFFIRMING GUAM'S RIGHT TO SAFEGUARD CULTURAL RESOURCES AND TO PROTECT OCEAN ECOSYSTEMS FROM ENVIRONMENTAL HARM AND EXPLOITIVE INDUSTRY INTERESTS THROUGH A MORATORIUM ON SEABED MINING, TO ENSURE THE HEALTH OF GUAM'S PEOPLE.	11/15/21 9:39 a.m.			11/16/21 4:08 p.m.	Author	11/24/21 9:00 a.m.	11/24/21 4:45 p.m.	12/3/21 5:27 p.m. Supplement Document to the Author's Report on Resolution No. 210-36 (COR).



Vice Speaker

TINA ROSE MUÑA BARNES

CHAIRPERSON, COMMITTEE ON RULES

I Mina'trentai Sais Na Liheslaturan Guåhan

GUAM CONGRESS BUILDING
163 CHALAN SANTO PAPA
HAGÅTÑA, GUAM 96910
TEL 671-472-2461
COR@GUAMLEGISLATURE.ORG

December 3, 2021

MEMO

To: Rennae Meno
Clerk of the Legislature

From: Senator Amanda L. Shelton
Acting Chairperson, Committee on Rules

Re: Supplemental to the Author's Report on Resolution No. 210-36 (COR)

Håfa adai,

Please include this memo and attached document as a "Supplement to the Author's Report" for the Author's Report on **Resolution No. 210-36 (COR)**.

Please make the appropriate indication in your records and forward to MIS for posting on our website. I also request that the same be forwarded to all Senators.

If you have any questions or concerns, please feel free to contact Mary Maravilla, Committee on Rules Director, at 472-2461.

Si Yu'os Ma'åse',

Senator Amanda L. Shelton

Acting Chairperson, Committee on Rules





OFFICE OF SENATOR SABINA FLORES PEREZ

Chairperson

Committee on Environment, Revenue and Taxation, Labor,
Procurement, and Statistics, Research, and Planning

I Mina'trentai Sais Na Liheslaturan Guåhan • 36th Guam Legislature

December 3, 2021

COMMITTEE ON RULES

RECEIVED:

December 3, 2021

4:45 P.M.

The Honorable Amanda L. Shelton

Acting Chairperson, Committee on Rules

I Mina'trentai Sais Na Liheslaturan Guåhan

163 Chalan Santo Papa

Hagåtña, Guam 96910

SUBJECT: Supplemental Document for Committee Report on Amended Resolution No. 210-36 (COR)

Håfa Adai Acting Chairperson Shelton,

Please find appended to this letter additional testimonies for Resolution No. 210-36 (COR), which my office has received after the committee report was submitted.

I respectfully request that these documents be included as a supplemental to the Committee Report.

Thank you for your attention to this matter. Please contact my office at 989-2968, should you have any questions or concerns regarding this matter.

Si Yu'os ma'åse',

Senator Sabina Flores Perez

I Mina'trentai Sais Na Liheslaturan Guåhan

Enclosures (8)

1. Letter of Support, Kalia Quichocho, *Student, Okkodo High School*
2. Letter of Support, Selyann Simi, *Student, Tiyann High School*
3. Letter of Support, Faith Manibusan, *Student, Guam Department of Education*
4. Letter of Support, Maria Sol Dueñas Marques
5. Letter of Support, Rene Manalo, *Student, Okkodo High School*
6. Letter of Support, Maya Flores, *Student, George Washington High School*
7. Letter of Support, Jordan Kyle Parcia, *Student, Guam Community College*
8. Letter of Support, Dhan Carlo Belleza, *Student, Guam Community College*



Charlene Flores <charlene@senatorperez.org>

Fwd: Regarding the Bill 210-36

Office of Senator Sabina Perez <office@senatorperez.org>
To: Charlene Flores <charlene@senatorperez.org>

Fri, Nov 26, 2021 at 12:13 PM

----- Forwarded message -----

From: KALIA QUICHOCHO
Date: Fri, Nov 26, 2021 at 4:44 AM
Subject: Regarding the Bill 210-36
To: <office@senatorperez.org>
Cc: Melanie M. Blas

Dear Senator Sabina,

I am a marine biology student at GDOE and I support this Bill 210-36 because our environment is greatly affected by seabed mining. It is also affecting our health. I believe that this Bill can make a change for the better as throughout the years, climate change and our earth's health has gotten worse. I'm so glad to have this opportunity to express my opinion on this topic. I am also glad to know about this issue and to know that many people are working on fixing this issue. As I read the bill over again, I understood the meaning of the bill much more. My marine biology teacher encourages her students to help keep our environment safe by teaching us about climate change and how to avoid damaging our environment. She teaches us about the 6 R's and gives us assignments that give us the opportunity to have hands-on experience. It is very appreciated for all the things I have learned from Bill 210-36 and from my teacher. Thank you.

Sincerely,
Kalia Quichocho
Okkodo High School

Guam Department of Education

Office of Senator Sabina Flores PerezCommittee on the Environment, Revenue & Taxation, Labor, Procurement, and Statistics, Research, and Planning
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36th Guam Legislature

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M: Guam Congress Building, [163 Chalan Santo Papa, Hagåtña, Guam 96910](#)

T: (671) 989-2968

E: office@senatorperez.orgwww.senatorperez.org



Charlene Flores <charlene@senatorperez.org>

Fwd: Seabed Mining

Office of Senator Sabina Perez <office@senatorperez.org>
To: Charlene Flores <charlene@senatorperez.org>

Fri, Nov 26, 2021 at 12:20 PM

----- Forwarded message -----

From: SELYANN SIMI
Date: Fri, Nov 26, 2021 at 10:14 AM
Subject: Seabed Mining
To: <office@senatorperez.org>
Cc: Melanie M. Blas

Dear Senator Perez,

I am a Marine Biology student at GDOE and I support this Bill 210-36 because as I watched the senators talk about how seabed mining is affecting our ocean, I really wanted to help too. So I fully support this matter because I don't want our ocean being affected, including the people's health and cultural resources. I thank you and the other Senators for talking about this matter and thanks to our teacher for also helping us learn about these matters because it is best to learn and help at a young age. As a teen, I am grateful. So I support this bill being passed into law. Thank you so much! Have a great day!

Sincerely, Selyann Simi
Tiyann High school

Guam Department of Education

Office of Senator Sabina Flores Perez

Committee on the Environment, Revenue & Taxation, Labor, Procurement, and Statistics, Research, and Planning
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T: (671) 989-2968
E: office@senatorperez.org

www.senatorperez.org



Charlene Flores <charlene@senatorperez.org>

Fwd: Bill 210-36 Moratorium on Seabed Mining to Protect our Health, Ocean, Cultural Resources

Office of Senator Sabina Perez <office@senatorperez.org>
To: Charlene Flores <charlene@senatorperez.org>

Fri, Nov 26, 2021 at 1:46 PM

----- Forwarded message -----

From: **FAITH MANIBUSAN**

Date: Fri, Nov 26, 2021 at 1:26 PM

Subject: Bill 210-36 Moratorium on Seabed Mining to Protect our Health, Ocean, Cultural Resources

To: <office@senatorperez.org>, Melanie M. Blas

Dear Senator Sabina Perez,

I am a marine biology student at GDOE and I support this Bill 210-36 because I am against harm and pollution towards our ocean. I want the people of Guam to be aware and protect our marine life and our ocean. Our ocean serves a very important purpose and a healthy ocean benefits many individuals, marine life, as well as our economy. As said in the video, islands are experiencing disturbance in the oceans due to exploratory mining and have covered many traditional fishing grounds. This leaves the fishermen to go fish somewhere else in a larger area. It creates so much disturbance in the sea and changes fish patterns. This will result in climate change and global warming. This bill will protect our ocean and raise awareness.

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Guam Department of Education**Office of Senator Sabina Flores Perez**

Committee on the Environment, Revenue & Taxation, Labor, Procurement, and Statistics, Research, and Planning

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E: office@senatorperez.orgwww.senatorperez.org

Håfa Adai. Na'an-hu si Maria Sol Duenas Marques. Si yu'os ma'åse for the opportunity to offer this testimony, and to Senator Sabina Perez for introducing Resolution No. 210-36.

I am a young CHamoru student and artist, and daughter of Guåhan. I am a member of the Guam Youth Climate Strike, a youth-lead organization dedicated to advocacy and to creating awareness around climate change and indigenous land rights. We express the importance of creativity, emotional intelligence and hopeful perspectives.

Climate change causes irreversible damage that threatens the health of our land and oceans, and threatens the health of current and future generations. A consequence of climate change is increased acidity, warmth in the oceans and rising tides, which slowly erode our beaches and mangroves, until eventually much of our shores are entirely underwater. The communities of the Marshall Islands in the Pacific region are some of the first to feel these effects of loss. The conditions of the oceans present a threat to our sea life including our corals, and ultimately our way of life as islanders and people of the ocean. Climate change has also caused more extreme weather occurrences like stronger winds and more frequent storms. This will affect us all and the indigenous lands upon which we reside.

The CHamorus have been the people of Guåhan for at least 3,500 years. As the indigenosu people of this place, we must be granted the right to object to dangerous and toxic activity in our land, air and ocean. We have a sacred and ancestral connection to the land, oceans, animals, plants, spirits here; something that U.S. Federal Agencies and powers continuously disrespect and deem insignificant. We must recognize how backwards that notion is. It is a tragic injustice that we are forced to accept defeat through the superseding of our own livelihood for institutions of violence and exploitation.

Many people perceive climate change as an issue that is beyond us. While climate change may seem gradual and while many of us may be able to grasp the main ideas of it, we may not understand just how drastic the threats in our everyday lives, nor how interrelated it is to larger aspects of our lives. Climate change is multifaceted and in effecting one aspect, throws off the balance of other aspects.

I submit this testimony in support of Resolution No. 210-36, and from the lineage of my ancestors who worked and passed these lands down to us. As a descendant, I hope to see political and environmental injustices made right; and, a more sustainable future in which we are not bound by the desires and priorities others may have for our homelands.

Si Yu'os Ma'åse.



Charlene Flores <charlene@senatorperez.org>

Fwd: Bill 210-36

Office of Senator Sabina Perez <office@senatorperez.org>

Tue, Nov 30, 2021 at 12:39 PM

To: Charlene Flores <charlene@senatorperez.org>, Evan San Nicolas <evan@senatorperez.org>

----- Forwarded message -----

From: **RENE MANALO**

Date: Tue, Nov 30, 2021 at 12:29 PM

Subject: Bill 210-36

To: <office@senatorperez.org>

Cc: Melanie M. Blas

Dear Senator Sabina Perez,

I am a marine biology student at GDOE and I support this bill 210-36 because I believe it will make a vast improvement to our world especially our ocean ecosystem. I believe the people need to cease the end of seabed mining for good. Seabed mining could cause a loss of biodiversity and eradication of seafloor habitat. In my own opinion, people need to be disciplined. Littering and dumping trash or chemicals in the ocean is a huge problem in our ocean ecosystem. The only way to save our world is to act. Some people carry their chin so high, and they fail to see the problem below. I Highly support this bill 210-36 and I hope people will do the same.

Sincerely,
Rene Manalo.
Okkodo Highschool.

Guam Department of Education

Office of Senator Sabina Flores Perez

Committee on the Environment, Revenue & Taxation, Labor, Procurement, and Statistics, Research, and Planning

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36th Guam Legislature

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Charlene Flores <charlene@senatorperez.org>

Fwd: Why I support Bill 210-36

Office of Senator Sabina Perez <office@senatorperez.org>

Wed, Dec 1, 2021 at 8:36 AM

To: Sabina Perez <sabina@senatorperez.org>

Cc: Charlene Flores <charlene@senatorperez.org>

----- Forwarded message -----

From: **MAYA FLORES**

Date: Tue, Nov 30, 2021 at 7:20 PM

Subject: Why I support Bill 210-36

To: Melanie M. Blas

<office@senatorperez.org>

Dear Senator Sabrina Perez,

I am a marine biology student at GDOE, and I wholeheartedly support Bill 210-36. It will help keep our oceans clean and free of toxic substances. It'll help safeguard our marine life. And last, but certainly not least, it'll ensure the health and well-being of our people. Deep sea mining negatively affects lives both on land and in the ocean. We must protect our island, our marine life, and ourselves. Thank you for proposing this bill.

Sincerely,

Maya Flores

George Washington High School

Guam Department of Education

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Office of Senator Sabina Flores Perez

Committee on the Environment, Revenue & Taxation, Labor, Procurement, and Statistics, Research, and Planning

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Senator Sabina Flores Perez, Chairperson, Committee on Environment, Revenue and Taxation,
Labor, Procurement, and Statistics, Research and Planning

Dear Senator Perez,

Hello, my name is Jordan Kyle Parcia and I am a student from the Guam Community College. I fully support Resolution 210-36 in regards to halting deep sea mining.

I've learned in my marine biology class that deep-sea mining can adversely affect marine life that has not been explored, researched and categorized. It can cause major damage not only to marine ecosystems, but it can also affect the Great Ocean Conveyor Belt. The GOC not only carries smaller life forms like plankton and the like, but also oxygen. This means that whatever is taken by the GOC will travel with it and be further dispersed by wind-driven surface currents. Thus, toxic or radioactive sediments or minerals will likely make their way through our ocean and the food chain, affecting the world's supply of seafood. As toxic elements and radiation are associated with miscarriages, birth defects, cancers, and other ailments, deep-sea mining poses a threat to the health and well-being of humans everywhere. Finally, another potential vector is seabirds. It is possible that they will consume these harmful materials in the marine organisms that they eat and bring them to different parts of the world, distributing them through their waste or carcasses.

Hopefully your resolution captures the attention of other nations and President Biden.

Sincerely,



Jordan Kyle Parcia

Sources

Consumption of Radiation:

https://www.salon.com/2011/04/05/japan_nuclear_crisis_radioactive_food/

Causes and Effects of Radiation:

<https://www.epa.gov/radiation/radiation-health-effects#:~:text=Exposure%20to%20very%20high%20levels,as%20cancer%20and%20cardiovascular%20disease.>

Great Ocean Conveyor Belts Impact:

<http://oceanmotion.org/html/impact/conveyor.htm>

Effects of Radiation for Women:

<https://www.cancer.org/treatment/treatments-and-side-effects/physical-side-effects/fertility-and-sexual-side-effects/fertility-and-women-with-cancer/how-cancer-treatments-affect-fertility.html>

Office of Senator Sabina Flores Perez

Committee on the Environment, Revenue & Taxation, Labor,
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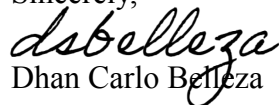
*194 Hernan Cortez Avenue, First Floor,
Terlaje Professional Building, Hagåtña, Guam 96910*

Dear Senator Perez,

Hello, my name is Dhan Carlo Belleza and I am a student from the Guam Community College. I would like to say that I fully support Resolution 210-36 calling for a moratorium on deep sea mining in the Pacific. The reason I support this is because of what I've learned in my marine biology class, this can drastically affect marine life in a bad way. Yes, the seafloor has metals that we can use for technology that we have come to rely upon. An example of resources are nickel, copper, cobalt, manganese, zinc, gold and other rare-earth metals and minerals, much of which are used in electronics. They are found on the seafloor, embedded in three types of mineral forms: cobalt-rich crust, polymetallic sulphides and polymetallic nodules, the latter type forming seafloor fields that can be thousands of miles long and very deep.

Despite the need for such resources, deep sea mining would cause unacceptable damage such as disturbance of the seafloor and water column, and pollution. The potential for disturbance is great for cetaceans that communicate through sonar because of loud extraction sounds - this could lead to many deaths of these iconic, endangered species. The pollution that deep sea mining can cause includes toxic metallic waste and oil or fuel leaks. That poses a great danger to our marine life! We don't want any part of our ocean being polluted. It can take a lot of money and time to fully clean up that kind of pollution. I just hope that island nations really consider the consequences of deep sea mining. Senator, I thank you for your time on reading this testimony letter. I hope that the Whitehouse stops deep sea mining as soon as possible before it's too late.

Sincerely,


Dhan Carlo Belleza