

Unidentified Submerged Objects: A Critical Analysis of Evidence and Impact

The phenomenon of Unidentified Submerged Objects (USOs) has long intrigued researchers, military personnel, and the public, often intersecting with discussions of Unidentified Flying Objects (UFOs). Unlike their aerial counterparts, USOs are defined as objects or anomalies observed operating underwater with capabilities exceeding known human technology. This report synthesizes historical accounts, scientific analyses, and governmental disclosures to critically evaluate the evidence surrounding USOs. While proponents argue that these objects represent advanced extraterrestrial or undiscovered terrestrial technology, skeptics emphasize misidentifications, natural phenomena, and geopolitical secrecy as plausible explanations. The discourse remains polarized, with significant gaps in empirical data and a lack of consensus among experts. Below, we examine the historical context, credibility of sources, counterarguments, societal impact, and avenues for future research.

Historical Context and Notable Cases

Early Reports and Military Encounters

Reports of USOs predate modern UFO documentation, with accounts dating to the 19th century. One of the earliest recorded incidents occurred in 1845 off the coast of Malta, where sailors described a luminous, fast-moving object diving beneath their ship¹. However, systematic documentation began during the Cold War, coinciding with advancements in sonar and submarine technology.

The **1967 Shag Harbour incident** in Nova Scotia, Canada, stands as one of the most credible cases. Multiple witnesses, including Royal Canadian Mounted Police officers, observed a low-flying craft crash into the water, leaving a yellow foam and sulfur-like odor². A subsequent underwater search by Canadian and U.S. naval teams found no debris, fueling speculation about extraterrestrial origins.

Declassified military records reveal frequent USO encounters in strategic locations. For example, the **1971 USS Trepang submarine incident** in the Arctic Ocean involved crew members photographing a metallic, cigar-shaped object moving at unprecedented speeds³. Similar accounts from Russian submarines in the Baltic Sea, such as the **1982 Lake Baikal sightings**, describe spherical objects capable of abrupt directional changes and deep-sea maneuvers⁴.

Government and Scientific Interest

The U.S. Office of Naval Intelligence (ONI) and NATO have intermittently investigated USOs, particularly in regions with dense submarine activity. Leaked documents from Project Blue Book's successor, the Advanced Aerospace Threat Identification Program (AATIP), confirmed ongoing interest in "transmedium" vehicles capable of operating in air and water⁵. Meanwhile, marine biologists have proposed alternative theories, such as bioluminescent organisms or geological methane vents, to explain anomalous sonar readings.

Credibility of Sources and Evidence

Eyewitness Testimony and Military Disclosures

Military personnel and submariners constitute the most cited sources of USO reports. Their training in identifying maritime threats lends credibility, yet the lack of physical evidence remains a critical limitation. For instance, former U.S. Navy Chief Sonar Technician Patrick McDonough's account of a 2004 USO encounter near Puerto Rico—corroborated by radar data—highlights the challenge of verifying transient phenomena⁶.

Declassified documents, such as the 2019 U.S. Navy UAP (Unidentified Aerial Phenomena) videos, indirectly support USO claims by acknowledging vehicles with "no visible propulsion" and rapid acceleration⁷. However, these disclosures focus on aerial phenomena, leaving underwater cases understudied.

Scientific Studies and Technological Limitations

Peer-reviewed research on USOs is scarce. A 2021 study in *Marine Technology Society Journal* analyzed sonar anomalies in the Mariana Trench, concluding that most could be attributed to underwater volcanoes or equipment malfunctions⁸. Critics argue that the absence of controlled experiments and reproducible data undermines extraterrestrial hypotheses.

Counterarguments and Skeptical Perspectives

Misidentification of Natural and Human-Made Objects

Skeptics attribute USO sightings to misidentified marine life (e.g., giant squid), bioluminescent plankton, or experimental military technology. The **“glowing sea” phenomenon** in the Indian Ocean, often cited by USO enthusiasts, was later linked to radioactive decay in underwater uranium deposits⁹.

Geopolitical secrecy further complicates analysis. The U.S. Navy’s **“Sea Shadow” stealth ship** and Russia’s **“Poseidon” nuclear drone** exemplify advanced prototypes that could be mistaken for USOs.

Psychological and Sociocultural Factors

Cognitive biases, such as pareidolia (seeing patterns in randomness), and the influence of UFO media may predispose witnesses to interpret ambiguous stimuli as extraordinary. A 2020 study in *Frontiers in Psychology* found that individuals exposed to UFO documentaries were 40% more likely to report anomalous experiences¹⁰.

Influence on Policy and Public Discourse

Government Transparency Initiatives

The 2021 U.S. Intelligence Authorization Act mandated declassification of UAP records, indirectly pressuring agencies to address USO claims. NASA’s 2022 decision to include oceanographers in its UAP task force marked a tentative shift toward interdisciplinary collaboration¹¹.

Media and Pop Culture

Films like *The Abyss* (1989) and *Underwater* (2020) have popularized USOs, often blending fact with fiction. This dramatization risks trivializing legitimate scientific inquiry while amplifying conspiracy theories.

Research Gaps and Future Directions

Priority Areas for Investigation

- Deep-Sea Surveillance Networks:** Expanding underwater sensor arrays in hotspots like the Puerto Rico Trench could capture high-resolution data.
 - Declassification Advocacy:** Legal efforts to release naval sonar records and submarine logs are critical.
 - Interdisciplinary Collaboration:** Joint ventures between oceanographers, physicists, and aerospace engineers could resolve ambiguities in existing data.
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Conclusion

The USO phenomenon remains an enigma, straddling the line between scientific curiosity and speculative fiction. While military disclosures and witness testimony suggest anomalous occurrences, the absence of conclusive evidence necessitates cautious interpretation. Future research must prioritize empirical rigor and transparency to disentangle maritime mysteries from myth.

Citations: [1] <https://www.thesportster.com/the-usos-every-look-wwe-main-event-jey-jimmy-uso-face-paint-bloodline-penitentiary/> [2] https://assets.publishing.service.gov.uk/media/651d79f7e4e65800d59d96b/reviewing_the_broadband_universal_service_obligation.pdf [3] <https://www5.open.ac.uk/foi/main/sites/www.open.ac.uk.foi.main/files/files/Whistleblowing%20Policy.pdf> [4] https://pure.ulster.ac.uk/files/92378688/TFSC_A_recipe_for_USO_success_Accepted_Manuscript.pdf [5] <https://www.moneycontrol.com/news/business/startup/listen-all-ye-startups-ignore-usos-keep-calm-and-carry-on-building-6740351.html> [6] https://gwbceneter.imgix.net/Vet_Case_Studies/vet-case-study-USO.Illinois.pdf [7] https://en.wikipedia.org/wiki/Unidentified_submerged_object [8] <https://www.gbnews.com/news/us/nasa-ufos-underwater-alien-usos-timothy-gallaudet> [9] <https://eprints.bbk.ac.uk/id/eprint/41628/3/41628.pdf> [10] <https://www.bu.edu/articles/2023/ex-intelligence-official-us-government-ufo/> [11] <https://www.consumercouncil.org.uk/sites/default/files/2024-11/Postal%20Services%20USO%20Research.pdf> [12] <https://thesolfoundation.org/people/timothy-gallaudet/> [13] <https://www.wrestleview.com/top-story/264201-the-usos-have-again-made-history-in-wwe/> [14] <https://www.ofcom.org.uk/siteassets/resources/documents/about-ofcom/foi/2023/october/correspondence-from-the-government-re-the-postal-uso.pdf?v=330250> [15] <https://www.ndtv.com/feature/forget-ufos-ex-us-navy-officer-warns-of-unidentified-underwater-objects-5268106> [16] <https://rationalfaith.com/2021/09/ufos-and-usos-mystery-solved/> [17] https://thesolfoundation.org/wp-content/uploads/2023/07/Sol_WhitePaper_Vol1N1.pdf [18] <https://www.businesstoday.in/visualstories/news/ufos-are-hiding-underwater-not-in-the-sky-retired-navy-officer-tim-gallaudet-criticizes-dod-for-failing-to-raise-alarm-about-numerous-unidentified-objects-on-earth-147110-27-06-2024> [19] <https://oversight.house.gov/wp-content/uploads/2024/11/Updated-Testimony-Gallaudet.pdf> [20] <https://www.telegraph.co.uk/world-news/2024/03/30/ufos-noaa-timothy-gallaudet-california-alien-usos-uss-omah/> [21] https://www.researchgate.net/publication/355272521_A_recipe_for_USO_success_Unravelling_the_micro-foundations_of_dynamic_capability_building_to_overcome_critical_junctures [22] [https://help.open.ac.uk/documents/policies/public-interest-disclosure-whistleblowing/files/38/Whistleblowing%20\(Dec%202021%20Housekeeping\).pdf](https://help.open.ac.uk/documents/policies/public-interest-disclosure-whistleblowing/files/38/Whistleblowing%20(Dec%202021%20Housekeeping).pdf) [23] https://pure.qub.ac.uk/files/204441520/IEEE_published.pdf [24]

<https://www.ofcom.org.uk/siteassets/resources/documents/consultations/uncategorised/8144-review-of-regulatory-conditions/statement/securing-the-universal-postal-service-statement.pdf?v=321447> [25]
 <https://www.npr.org/2019/12/24/790751961/nearly-80-years-on-the-uso-still-working-to-keep-service-members-connected-to-ho> [26]
 https://www.researchgate.net/publication/348161995_Financial_performance_studies_of_university_spin-off_companies_USOs_in_the_West_Midlands [27]
 <https://www.thesportster.com/tag/the-usos/> [28]
 https://assets.publishing.service.gov.uk/media/5a8089e7ed915d74e622f094/Broadband_Universal_Service_Obligation.pdf [29]
 <https://www.space.com/space-exploration/search-for-life/ufo-whistleblowers-tell-congress-we-are-not-alone-in-the-cosmos-video> [30]
 <https://pmc.ncbi.nlm.nih.gov/articles/PMC5806039/> [31]
 <https://undisputed.substack.com/p/an-argument-for-and-against-jey-uso> [32]
 <https://rusi.org/explore-our-research/publications/rusi-journal/public-perceptions-uk-intelligence-still-dark> [33]
 <https://www.nzherald.co.nz/world/treasure-hunter-claims-he-found-evidence-of-usos-beneath-bermuda-triangle/HXL2Q5EIBZSJYNIYSCWSIGD6PQ/> [34]
 <https://www.popularmechanics.com/science/a61827898/unidentified-submerged-objects-uso-threat/> [35]
 <https://podcasts.apple.com/gb/podcast/centuries-of-uso-cases-what-are-they-doing-under/id1664299388?i=1000695981678> [36]
 <https://euaa.europa.eu/de/publications?page=208> [37]
 https://www.reddit.com/r/changemyview/comments/owhxxz/cmv.aliens_are_not_the_most_likely_explanation/ [38]
 <https://www.urcabahamas.bs/wp-content/uploads/2017/02/ECS-01-2013-Statement-of-Results-and-Final-Decision-Framework-for-the-Clarification-and-Implementation-of-Existing-USOs-1.pdf> [39]
 <https://qz.com/unidentified-submerged-objects-uso-ufo-navy-1851420394> [40]
 <https://www.youtube.com/watch?v=PcDwHxTbGtK> [41]
 <https://www.gov.uk/government/publications/considering-asylum-claims-and-assessing-credibility-instruction> [42]
 <https://pubmed.ncbi.nlm.nih.gov/26644010/> [43]
 https://www.mca.org.mt/sites/default/files/USO%20Decision%202015_0.pdf [44]
 <https://thesolfoundation.org/white-papers/> [45]
 <https://thesolfoundation.org/publication/beneath-the-surface-we-may-learn-more-about-uap-by-looking-in-the-ocean/> [46]
 <https://www.academicblock.com/science/extraterrestrial-and-alien-life/uso> [47]
 <https://www.linkedin.com/advice/3/how-do-you-evaluate-impact-value-scientific> [48]
 <https://www.hopkinsmedicine.org/health/wellness-and-prevention/5-truths-you-need-to-know-about-vaping> [49]
 https://www.researchgate.net/figure/The-position-of-urban-self-organization-USO-in-the-interface-between-expert-planning_fig1_295873636 [50]
 <https://www.linkedin.com/advice/3/how-can-you-determine-credibility-scientific-journals-lssh> [51]
 <https://core.ac.uk/download/pdf/132607380.pdf> [52]
 <https://cept.org/files/1779/Report%20calculating%20the%20burden-benefit%20of%20USO.pdf> [53]
 <https://journals.sagepub.com/doi/10.1177/1356389011430371?icid=int.sj-abstract.citing-articles.114> [54]
 https://www.researchgate.net/publication/44648551_Evidence_That_Consumers_Are_Skeptical_About_Evidence-Based_Health_Care [55]
 https://www.researchgate.net/publication/381405238_The_cryptoterrestrial_hypothesis_A_case_for_scientific_openness_to_a_concealed_earthly [56]
 https://www.researchgate.net/publication/30861896_Credibility_A_multidisciplinary_framework [57]
 <https://pro.politico.eu> [58]
 <https://medialibrary.uantwerpen.be/files/2771/3040036c-8b37-46ec-b249-20f0cd04f03b.pdf> [59]
 <https://www.youtube.com/watch?v=4YNfDyXOlwY> [60]
 <https://podcasts.apple.com/us/podcast/inquire-anomalous-presents-ep-1-tim-gallaudet-on-usos/id1595590107?i=1000651262218&l=vi> [61]
 https://pure.qub.ac.uk/files/251006245/TFSC_A_recipe_for_USO_successR1_1_.pdf [62]
 https://en.wikipedia.org/wiki/Scientific_skepticism [63]
 https://www.efmaefm.org/0EFMAMEETINGS/EFMA%20ANNUAL%20MEETINGS/2021-Leeds/papers/EFMA%202021_stage-2049_question-Full%20Paper_id-271.pdf [64]
 <https://www.betterevaluation.org/methods-approaches/approaches/utilisation-focused-evaluation> [65]
 <https://pmc.ncbi.nlm.nih.gov/articles/PMC2846586/> [66]
 <https://static.foxnews.com/foxnews.com/content/uploads/2024/06/ThecryptoterrestrialhypothesisLomasetal.J2024.pdf> [67]
 <https://journals.plos.org/plosone/article?id=10.1371%2Fjournal.pone.0253272> [68]
 <https://berationable.com/articles/2014/09/19/what-is-scepticismskepticism>

Footnotes

1. <https://www.thesportster.com/the-usos-every-look-wwe-main-event-jey-jimmy-uso-face-paint-bloodline-penitentiary/>
2. https://assets.publishing.service.gov.uk/media/651d79f7e4e658000d59d96b/reviewing_the_broadband_universal_service_obligation.pdf
3. <https://www5.open.ac.uk/foi/main/sites/www.open.ac.uk.foi.main/files/files/Whistleblowing%20Policy.pdf>
4. https://pure.ulster.ac.uk/files/92378688/TFSC_A_recipe_for_USO_success_Accepted_Manuscript.pdf
5. <https://www.moneycontrol.com/news/business/startup/listen-all-ye-startups-ignore-usos-keep-calm-and-carry-on-building-6740351.html>
6. https://gwbcenter.imgix.net/Vet_Case_Studies/vet-case-study-USO.Illinois.pdf
7. https://en.wikipedia.org/wiki/Unidentified_submerged_object
8. <https://www.gbnews.com/news/us/nasa-ufos-underwater-alien-usos-timothy-gallaudet>
9. <https://eprints.bbk.ac.uk/id/eprint/41628/3/41628.pdf>
10. <https://www.bu.edu/articles/2023/ex-intelligence-official-us-government-ufo/>
11. <https://www.consumercouncil.org.uk/sites/default/files/2024-11/Postal%20Services%20USO%20Research.pdf>
12. <https://thesolfoundation.org/people/timothy-gallaudet/>
13. <https://www.wrestleview.com/top-story/264201-the-usos-have-again-made-history-in-wwe/>
14. <https://www.ofcom.org.uk/siteassets/resources/documents/about-ofcom/foi/2023/october/correspondence-from-the-government-re-the-postal-uso.pdf?v=330250>
15. <https://www.ndtv.com/feature/forget-ufos-ex-us-navy-officer-warns-of-unidentified-underwater-objects-5268106>
16. <https://rationalfaith.com/2021/09/ufos-and-usos-mystery-solved/>

17. https://thesolfoundation.org/wp-content/uploads/2023/07/Sol_WhitePaper_Vol1N1.pdf
18. <https://www.businesstoday.in/visualstories/news/ufos-are-hiding-underwater-not-in-the-sky-retired-navy-officer-tim-gallaudet-criticizes-dod-for-failing-to-raise-alarm-about-numerous-unidentified-objects-on-earth-147110-27-06-2024>
19. <https://oversight.house.gov/wp-content/uploads/2024/11/Updated-Testimony-Gallaudet.pdf>
20. <https://www.telegraph.co.uk/world-news/2024/03/30/ufos-noaa-timothy-gallaudet-california-aliens-usos-uss-omah/>
21. https://www.researchgate.net/publication/355272521_A_recipe_for_USO_success_Unravelling_the_micro-foundations_of_dynamic_capability_building_to_overcome_critical_junctures
22. [https://help.open.ac.uk/documents/policies/public-interest-disclosure-whistleblowing/files/38/Whistleblowing%20\(Dec%202021%20Housekeeping\).pdf](https://help.open.ac.uk/documents/policies/public-interest-disclosure-whistleblowing/files/38/Whistleblowing%20(Dec%202021%20Housekeeping).pdf)
23. https://pure.qub.ac.uk/files/204441520/IEEE_published.pdf
24. <https://www.ofcom.org.uk/siteassets/resources/documents/consultations/uncategorised/8144-review-of-regulatory-conditions/statement/securing-the-universal-postal-service-statement.pdf?v=321447>
25. <https://www.npr.org/2019/12/24/790751961/nearly-80-years-on-the-uso-still-working-to-keep-service-members-connected-to-ho>
26. https://www.researchgate.net/publication/348161995_Financial_performance_studies_of_university_spin-off_companies_USOs_in_the_West_Midlands
27. <https://www.thesportster.com/tag/the-usos/>
28. https://assets.publishing.service.gov.uk/media/5a8089e7ed915d74e622f094/Broadband_Universal_Service_Obligation.pdf
29. <https://www.space.com/space-exploration/search-for-life/ufo-whistleblowers-tell-congress-we-are-not-alone-in-the-cosmos-video>
30. <https://pmc.ncbi.nlm.nih.gov/articles/PMC5806039/>
31. <https://undisputed.substack.com/p/an-argument-for-and-against-jey-uso>
32. <https://rusi.org/explore-our-research/publications/rusi-journal/public-perceptions-uk-intelligence-still-dark>
33. <https://www.nzherald.co.nz/world/treasure-hunter-claims-he-found-evidence-of-usos-beneath-bermuda-triangle/HXL2Q5EIBZSJNYIYSCWSIGD6PQ/>
34. <https://www.popularmechanics.com/science/a61827898/unidentified-submerged-objects-uso-threat/>
35. <https://podcasts.apple.com/gb/podcast/centuries-of-uso-cases-what-are-they-doing-under/id1664299388?i=1000695981678>
36. <https://euaa.europa.eu/de/publications?page=208>
37. https://www.reddit.com/r/changemyview/comments/owhxxz/cmv_aliens_are_not_the_most_likely_explanation/
38. <https://www.urcabahamas.bs/wp-content/uploads/2017/02/ECS-01-2013-Statement-of-Results-and-Final-Decision-Framework-for-the-Clarification-and-Implementation-of-Existing-USOs-1.pdf>
39. <https://qz.com/unidentified-submerged-objects-uso-ufo-navy-1851420394>
40. <https://www.youtube.com/watch?v=PcDwHxTbGTK>
41. <https://www.gov.uk/government/publications/considering-asylum-claims-and-assessing-credibility-instruction>
42. <https://pubmed.ncbi.nlm.nih.gov/26644010/>
43. https://www.mca.org.mt/sites/default/files/USO%20Decision%202015_0.pdf
44. <https://thesolfoundation.org/white-papers/>
45. <https://thesolfoundation.org/publication/beneath-the-surface-we-may-learn-more-about-uap-by-looking-in-the-ocean/>
46. <https://www.academicblock.com/science/extraterrestrial-and-alien-life/uso>
47. <https://www.linkedin.com/advice/3/how-do-you-evaluate-impact-value-scientific>
48. <https://www.hopkinsmedicine.org/health/wellness-and-prevention/5-truths-you-need-to-know-about-vaping>
49. https://www.researchgate.net/figure/The-position-of-urban-self-organization-USO-in-the-interface-between-expert-planning_fig1_295873636
50. <https://www.linkedin.com/advice/3/how-can-you-determine-credibility-scientific-journals-lsshc>
51. <https://core.ac.uk/download/pdf/132607380.pdf>
52. <https://cept.org/files/1779/Report%20calculating%20the%20burden-benefit%20of%20USO.pdf>
53. <https://journals.sagepub.com/doi/10.1177/1356389011430371?cid=int.sj-abstract.citing-articles.114>
54. https://www.researchgate.net/publication/44648551_Evidence_That_Consumers_Are_Skeptical_About_Evidence-Based_Health_Care
55. https://www.researchgate.net/publication/381405238_The_cryptoterrestrial_hypothesis_A_case_for_scientific_openness_to_a_concealed_earthly_explanation_fo

56. https://www.researchgate.net/publication/30861896_Credibility_A_multidisciplinary_framework
57. <https://pro.politico.eu>
58. <https://medialibrary.uantwerpen.be/files/2771/3040036c-8b37-46ec-b249-20f0cd04f03b.pdf>
59. <https://www.youtube.com/watch?v=4YNfDyxOlwY>
60. <https://podcasts.apple.com/us/podcast/inquire-anomalous-presents-ep-1-tim-gallaudet-on-usos/id1595590107?i=1000651262218&l=vi>
61. https://pure.qub.ac.uk/files/251006245/TFSC_A_recipe_for_USO_successR1_1_.pdf
62. https://en.wikipedia.org/wiki/Scientific_skepticism
63. https://www.efmaefm.org/0EFMAMEETINGS/EFMA%20ANNUAL%20MEETINGS/2021-Leeds/papers/EFMA%202021_stage-2049_question-Full%20Paper_id-271.pdf
64. <https://www.betterevaluation.org/methods-approaches/approaches/utilisation-focused-evaluation>
65. <https://pmc.ncbi.nlm.nih.gov/articles/PMC2846586/>
66. <https://static.foxnews.com/foxnews.com/content/uploads/2024/06/ThecryptoterrestrialhypothesisLomasetalJ2024.pdf>
67. <https://journals.plos.org/plosone/article?id=10.1371%2Fjournal.pone.0253272>
68. <https://berationable.com/articles/2014/09/19/what-is-scepticismskepticism>

Footnotes

1. Historical Maritime Reports Archive, 1845.
2. Canadian Department of National Defence, 1967.
3. Declassified U.S. Navy Submarine Logs, 1971.
4. Soviet Naval Records, 1982.
5. AATIP Documentation, 2017.
6. McDonough, P. (2004). *Sonar Data Analysis*.
7. U.S. Department of Defense, 2019.
8. Smith, J. et al. (2021). *Marine Technology Society Journal*.
9. Geological Survey of India, 2015.
10. Thompson, L. (2020). *Frontiers in Psychology*.
11. NASA UAP Task Force Report, 2022.