# Article information:

Extreme erosion on high-energy embayed beaches: Influence of megarips and storm grouping - ScienceDirect
<https://www.sciencedirect.com/science/article/pii/S0169555X11005290?via%3Dihub=>

# Article summary:

1. Megarips are a major cause of beach erosion on high-energy embayed beaches, and their persistence and cumulative effect during storm groups can lead to extreme erosion and seaward sediment export.

2. The location and dynamics of megarips are topographically controlled, with rip location being determined by alongshore variations in breaking wave height and obliquity, as well as interaction of wave-driven circulation patterns and embayment nearshore topography.

3. Moderate beach sand loss during individual storms is linked to the development of megarips with associated rip-neck and feeder channels, which can persist for several months under non-storm conditions, reducing beach recovery ability until the rip-neck and feeder channels are infilled.

# Article rating:

Appears moderately imbalanced: The article provides some useful information, but is missing several important points or pieces of evidence that would be required to present the discussed topics in a balanced and reliable way. You are encouraged to seek a more balanced perspective on the presented issues by exploring the provided research topics and looking at different information sources.

# Article analysis:

作为一篇科学论文，该文章提供了对高能湾海滩侵蚀机制的深入研究。然而，它也存在一些潜在的偏见和局限性。

首先，文章主要关注了葡萄牙西南海岸三个特定海滩的情况，并未考虑其他地区或不同类型的海滩。因此，其结论可能不适用于其他地区或类型的海滩。

其次，文章没有充分探讨人类活动对海滩侵蚀的影响。例如，过度开发、沿岸建筑物和旅游活动等都可能加剧海滩侵蚀问题。这些因素应该被纳入考虑范围内。

此外，文章没有提供足够的证据来支持其所得出的结论。例如，在描述“极端侵蚀”时，并未提供具体数据或图表来说明这种现象有多普遍或严重。

最后，文章似乎缺乏平衡报道双方观点的努力。它只关注了一种侵蚀机制，并未探讨其他可能存在的因素或解决方案。这可能导致读者对问题形成片面认识。

综上所述，尽管该文章提供了对高能湾海滩侵蚀机制的深入研究，但它也存在一些潜在的偏见和局限性。为了更全面地了解这个问题，需要进一步研究和探讨。

# Topics for further research:

* Other coastal erosion mechanisms
* Human activities and coastal erosion
* Data and evidence supporting extreme erosion
* Alternative perspectives on coastal erosion
* Solutions to coastal erosion
* Coastal erosion in other regions and beach types

# Report location:

<https://www.fullpicture.app/item/47851c04a143e1774c9bd7dc93282d62>