

(환경) 남극의 고래와 지구 온난화

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We end tonight with a house called on one of the ocean's most majestic creatures. Mark Phillip sailed to the bottom of the world for our Climate Diaries. A pod of killer whales is spotted crossing a stretch of open water. Researchers jump into small boats to chase them, just like in the old days. This hunt, though, isn't about killing whales. It's about trying to save them. "One of the reasons we study top predators is to understand the health of the ecosystem that supports them." An ecosystem that is changing.

John Durban and Holly Fernback, modern whale hunters, using modern gear, a camera mounted on a drone, to give the whales a health checkup, and finding some are in trouble. "She's very, very thin. You can see her ribs really clearly, so she's lost all of the fat all along her entire body." "You're looking at a dying whale here? Yes, you are looking a dying whale. And she has a dependent offspring and so, once the female dies, then she's also going to lose her calf, so it's very worrying,"

It's too early to know why it's happening, but the prime suspect? [Antarctica is warming up](#). "There's, um, a problem with their food supply, and ... fewer seals! And that's what we've been seeing so far this year." "Less ice, fewer seals -- is that a leap?" "It's certainly a hypothesis" Holly and John have had to cobble this project together. She works for a marine animal welfare organization called SR3, and he works for NOAA Fisheries department. They get transportation in Antarctica with Lindblad-National Geographic expeditions. "This is the seventh year in a row that we've conducted research on board this ship" And it's the long-term commitment that's important. "We're studying animals that live as long as we do, and to understand them and to get enough opportunities with them, it takes multiple years" Right now, though, even the short-term commitment is in doubt. Mark Phillips CBS News, Antarctica.



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1. ___ end tonight ___ house called ___ one ___ ocean's most majestic creatures.
2. Mark Phillip sailed ___ bottom ___ world ___ Climate Diaries.
3. ___ pod ___ killer whales ___ spotted crossing ___ stretch ___ open water.
4. Researchers jump into small boats ___ chase ___, ___ like ___ old days.
5. ___ hunt, though, isn't about killing whales. ___'s about trying ___ save ___.
6. "One ___ reasons ___ study top predators ___ understand ___ health ___ ecosystem ___ supports ___."
7. ___ ecosystem ___ changing.
8. John Durban ___ Holly Fernback, modern whale hunters,
9. using modern gear, ___ camera mounted ___ drone, ___ give ___ whales ___ health checkup,
10. ___ finding some ___ trouble.
11. "___'s very, very thin. ___ see her ribs really clearly, so ___'s lost all ___ fat all along her entire body."
12. "___'re looking ___ dying whale here? Yes, ___ looking ___ dying whale.
13. ___ dependent offspring ___ so,
14. once ___ female dies, then ___'s also going ___ lose her calf, so ___'s very worrying,"
15. ___'s too early ___ know why ___'s happening, ___ prime suspect? Antarctica ___ warming up.
16. "___'s, um, ___ problem ___ food supply,
17. ___ ... fewer seals! ___'s ___'ve ___ seeing so far ___ year."
18. "Less ice, fewer seals -- ___ leap?" "___'s certainly ___ hypothesis"
19. Holly ___ John ___ had ___ cobble ___ project together.
20. ___ works ___ marine animal welfare organization called SR3,
21. ___ he works ___ NOAA Fisheries department.
22. ___ get transportation ___ Antarctica ___ Lindblad-National Geographic expeditions.
23. "___ seventh year ___ row ___'ve conducted research ___ board ___ ship"
24. ___'s ___ long-term commitment ___'s important.
25. "___'re studying animals ___ live ___ long ___ do,
26. ___ understand ___ get enough opportunities ___, ___ takes multiple years"
27. Right now, though, even ___ short-term commitment ___ doubt.
28. Mark Phillips CBS News, Antarctica.

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1. We end tonight with a house called on one of the ocean's most majestic creatures.
본 방송은 오늘밤, 바다의 가장 위풍당당한 생명체들 중의 하나로 불리우는 동물의 서식처의 이야기로

2. Mark Phillip sailed to the bottom of the world for our Climate Diaries.
마크 필립스 기자가 본 방송의 일기수첩 방송을 위해 남극으로 항해를 했습니다.
3. A pod of killer whales is spotted crossing a stretch of open water.
킬러고래 한무리가 대양의 한 구간을 지나가는 것이 발견이 되었습니다.
4. Researchers jump into small boats to chase them, just like in the old days.
과학자들은 그들을 쫓기 위해 작은 배에 탔습니다. 옛날처럼 말입니다.
5. This hunt, though, isn't about killing whales. It's about trying to save them.
그러나 이번 추적은 고래를 죽이기 위한 것이 아닙니다. 그들을 구하기 위한 것입니다.
6. "One of the reasons we study top predators is to understand the health of the ecosystem that supports them."
우리가 최상위 동물을 조사하는 이유들 중의 하나는, 그들을 돕는, 생태계 강상태를 이해하는 것입니다.
7. An ecosystem that is changing.
변화되고 있는 생태계 말입니다.
8. John Durban and Holly Fernback, modern whale hunters,
John Durban 와 Holly Fernback 는 현대의 고래 사냥꾼들입니다.
9. using modern gear, a camera mounted on a drone, to give the whales a health checkup,
현대식 장비를 이용하며, 카메라가 장착된 드론을 이용하여, 고래들의 건강상태를 체크합니다
10. and finding some are in trouble.
그리고 일부 고래가 문제가 있다는 것을 발견합니다.
11. "She's very, very thin. You can see her ribs really clearly, so she's lost all of the fat all along her entire body."
그녀는 매우 말랐어요, 당신은 그녀의 갈비뼈를 매우 자세히 볼 수 있습니다. 그래서, 그녀는 몸전체의 있는 지방분이 거의 빠졌어요
12. "You're looking at a dying whale here? Yes, you are looking a dying whale.
당신의 여기 지금 죽어가는 고래를 보고있는가요? 네, 죽어가는 고래를 보고 있어요
13. And she has a dependent offspring and so,
그녀는 돌보는 새끼가 있습니다. 그래서
14. once the female dies, then she's also going to lose her calf, so it's very worrying,"
일단 암놈이 죽으면, 그녀는 새끼도 잃을 것입니다. 그것이 매우 걱정입니다.
15. It's too early to know why it's happening, but the prime suspect? Antarctica is warming up.
왜 이런 일이 일어나는 것은 속단 할 수 없습니다. 그러나, 중요 용의자는? 남극이 더워지고 있다는 것
16. "There's, um, a problem with their food supply,
먹이 공급에 문제가 있는 것입니다.
17. and ... fewer seals! And that's what we've been seeing so far this year."
물개수가 적습니다. 그리고 이것이 올해에 여태 목격한 것입니다.
18. "Less ice, fewer seals -- is that a leap?" "It's certainly a hypothesis"
얼음이 적고, 물개가 줄어드는 것.. 이것은 비약적인 것인가요? 이것은 단순히 가설입니다.
19. Holly and John have had to cobble this project together.
홀리와 존은 같이 이 프로젝트를 대충 맞추어 와야 했습니다.
20. She works for a marine animal welfare organization called SR3,
그녀는 해양동물 복지조직인 SR3 란 곳에서 일하고
21. and he works for NOAA Fisheries department.

그는 미국 해양 기상청 수산자원부에서 일을 하고 있습니다.

22. They get transportation in Antarctica with Lindblad-National Geographic expeditions.

그들은 남극해의 이동을 린블라드 내셔널 지오그래픽 탐험대와 함께합니다.

23. "This is the seventh year in a row that we've conducted research on board this ship"

올해는 연속 7년째입니다. 우리가 배선상에서 연구조사를 시행한지....

24. And it's the long-term commitment that's important.

장기간의 연구는 중요합니다.

25. "We're studying animals that live as long as we do,

우리는 우리만큼 사는 동물의 생태계를 연구하고 있습니다.

26. and to understand them and to get enough opportunities with them, it takes multiple years"

그리고 이해하고, 그들과 함께하는 충분한 기회를 가집니다. 수년이 걸립니다.

27. Right now, though, even the short-term commitment is in doubt.

현재로는, 그러나, 짧은 기간의 연구도 의심스럽습니다.

28. Mark Phillips CBS News, Antarctica.

마크 필립스기자입니다.