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Level 6 – 17th January, 2022

Researchers find world's largest fish breeding ground

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<https://breakingnewsenglish.com/2201/220116-antarctic-icefish.html>

Contents

| | | | |
|--------------------------------|----|--|----|
| The Article | 2 | Discussion (Student-Created Qs) | 15 |
| Warm-Ups | 3 | Language Work (Cloze) | 16 |
| Vocabulary | 4 | Spelling | 17 |
| Before Reading / Listening | 5 | Put The Text Back Together | 18 |
| Gap Fill | 6 | Put The Words In The Right Order | 19 |
| Match The Sentences And Listen | 7 | Circle The Correct Word | 20 |
| Listening Gap Fill | 8 | Insert The Vowels (a, e, i, o, u) | 21 |
| Comprehension Questions | 9 | Punctuate The Text And Add Capitals | 22 |
| Multiple Choice - Quiz | 10 | Put A Slash (/) Where The Spaces Are | 23 |
| Role Play | 11 | Free Writing | 24 |
| After Reading / Listening | 12 | Academic Writing | 25 |
| Student Survey | 13 | Homework | 26 |
| Discussion (20 Questions) | 14 | Answers | 27 |

Please try Levels 4 and 5 (they are easier).

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THE ARTICLE

From <https://breakingnewsenglish.com/2201/220116-antarctic-icefish.html>

Scientists in Antarctica have made a surprising and welcome discovery - the world's largest breeding ground for fish. Researchers from Germany's Alfred Wegener Institute for Polar and Marine Research came across the fish while mapping the seabed of the Antarctic Weddell Sea. They discovered schools of around 60 million icefish breeding in an area roughly 240 square kilometers in size. The research team had been towing a number of cameras to a depth of 530 metres under the Weddell Sea for months. Deep-sea biologist Autun Purser commented on the find. He said: "The idea that such a huge breeding area of icefish in the Weddell Sea was previously undiscovered is totally fascinating."

The researchers have been exploring the region hoping to establish it as an official Marine Protected Area. They say the seas are a unique habitat that must be preserved. They want to prevent fishing and invasive research to keep the waters as pristine as possible. A recent University of Cambridge study found that fishing trawlers in Antarctica are bringing millions of "hitch-hiking" species from 1,500 ports around the globe. These are threatening the area's fragile eco-systems. A researcher said: "So far, the remoteness and difficult sea-ice conditions of this southernmost area...have protected it, but...we should be much more ambitious with marine conservation."

Sources: <https://scitechdaily.com/spectacular-discovery-in-antarctica-massive-icefish-breeding-colony-with-60-million-nests/>
<https://www.cnet.com/news/scientists-in-disbelief-over-discovery-of-worlds-largest-fish-breeding-area/>
<https://edition.cnn.com/2022/01/13/world/icefish-colony-discovery-scn/index.html>

WARM-UPS

1. ANTARCTICA: Students walk around the class and talk to other students about Antarctica. Change partners often and share your findings.

2. CHAT: In pairs / groups, talk about these topics or words from the article. What will the article say about them? What can you say about these words and your life?

scientists / discovery / breeding / fish / seabed / cameras / biologist / fascinating / exploring / official / habitat / fishing / globe / eco-systems / conditions / conservation

Have a chat about the topics you liked. Change topics and partners frequently.

3. FISHING BAN: Students A **strongly** believe there should be a fishing ban in Antarctica; Students B **strongly** believe there shouldn't. Change partners again and talk about your conversations.

4. REGIONS: What do you know about these regions? What would you like to do there? Complete this table with your partner(s). Change partners often and share what you wrote.

| | What I Know | What I Would Want to Do |
|---------------|-------------|-------------------------|
| Antarctica | | |
| The Arctic | | |
| The Amazon | | |
| The Sahara | | |
| The Himalayas | | |
| The Serengeti | | |

5. DISCOVERY: Spend one minute writing down all of the different words you associate with the word "discovery". Share your words with your partner(s) and talk about them. Together, put the words into different categories.

6. ANTARCTICA CREATURES: Rank these with your partner. Put the best at the top. Change partners often and share your rankings.

- Icefish
- Penguins
- Seals
- Killer whales
- Albatross
- Silverfish
- Krill
- Squid

VOCABULARY MATCHING

Paragraph 1

- | | |
|----------------|--|
| 1. welcome | a. An expert in or student of the branch of science concerning living organisms. |
| 2. breeding | b. Extremely interesting. |
| 3. mapping | c. Very pleasing, needed or desired. |
| 4. towing | d. The mating and production of offspring by animals. |
| 5. biologist | e. Pull something behind. |
| 6. previously | f. At an earlier time; before. |
| 7. fascinating | g. Recording in detail the area of something. |

Paragraph 2

- | | |
|---------------|--|
| 8. exploring | h. In its original condition; unspoilt. |
| 9. establish | i. Tending to spread very quickly and undesirably or harmfully. |
| 10. unique | j. Maintain something in its original or existing state. |
| 11. preserved | k. Travelling through an unfamiliar area in order to learn about it. |
| 12. invasive | l. Relating to or found in the sea. |
| 13. pristine | m. Set up on a firm or permanent basis. |
| 14. marine | n. Being the only one of its kind; unlike anything else. |

BEFORE READING / LISTENING

From <https://breakingnewsenglish.com/2201/220116-antarctic-icefish.html>

1. TRUE / FALSE: Read the headline. Guess if a-h below are true (T) or false (F).

1. The article says the fish breeding discovery wasn't a welcome one. **T / F**
2. Scientists were mapping an ice shelf when they made the discovery. **T / F**
3. The scientists found around 60 million icefish in the breeding ground. **T / F**
4. A scientist was surprised the breeding ground wasn't found earlier. **T / F**
5. Researchers want to protect the breeding ground area. **T / F**
6. Fishing boats are bringing invasive species to Antarctica. **T / F**
7. Invasive species are enhancing Antarctica's eco-systems. **T / F**
8. A scientist said Antarctica's remoteness helps to protect it. **T / F**

2. SYNONYM MATCH: (The words in **bold** are from the news article.)

- | | |
|-----------------------|------------------------|
| 1. welcome | a. investigating |
| 2. came across | b. pulling |
| 3. roughly | c. determined |
| 4. towing | d. discovered |
| 5. fascinating | e. immaculate |
| 6. exploring | f. breakable |
| 7. habitat | g. pleasing |
| 8. pristine | h. engrossing |
| 9. fragile | i. natural environment |
| 10. ambitious | j. approximately |

3. PHRASE MATCH: (Sometimes more than one choice is possible.)

- | | |
|----------------------------------|-------------------------|
| 1. made a surprising and welcome | a. exploring the region |
| 2. while mapping | b. conservation |
| 3. towing a number | c. fascinating |
| 4. such a huge breeding | d. fragile eco-systems |
| 5. totally | e. area of icefish |
| 6. The researchers have been | f. around the globe |
| 7. keep the waters as | g. discovery |
| 8. from 1,500 ports | h. pristine as possible |
| 9. threatening the area's | i. the seabed |
| 10. marine | j. of cameras |

GAP FILL

From <https://breakingnewsenglish.com/2201/220116-antarctic-icefish.html>

Scientists in Antarctica have made a surprising and (1) _____ discovery - the world's largest breeding ground for fish. Researchers from Germany's Alfred Wegener Institute for Polar and Marine Research came (2) _____ the fish while mapping the seabed of the Antarctic Weddell Sea. They discovered schools of around 60 million icefish breeding in an area (3) _____ 240 square kilometers in size. The research team had been (4) _____ a number of cameras to a (5) _____ of 530 metres under the Weddell Sea for months. Deep-sea (6) _____ Autun Purser commented on the find. He said: "The idea that such a (7) _____ breeding area of icefish in the Weddell Sea was previously undiscovered is (8) _____ fascinating."

The researchers have been exploring the (9) _____ hoping to establish it as an (10) _____ Marine Protected Area. They say the seas are a unique habitat that must be (11) _____. They want to prevent fishing and invasive research to keep the waters as (12) _____ as possible. A recent University of Cambridge study found that fishing (13) _____ in Antarctica are bringing millions of "hitch-hiking" species from 1,500 ports around the (14) _____. These are threatening the area's fragile eco-systems. A researcher said: "So far, the (15) _____ and difficult sea-ice conditions of this southernmost area...have protected it, but...we should be much more ambitious with (16) _____ conservation."

across
biologist
totally
roughly
depth
welcome
huge
towing

trawlers
region
marine
globe
preserved
pristine
remoteness
official

LISTENING – Guess the answers. Listen to check.

From <https://breakingnewsenglish.com/2201/220116-antarctic-icefish.html>

- 1) Scientists in Antarctica have made a surprising _____
 - a. and welcomed discovery
 - b. and welcome discovery
 - c. and welcomes discovery
 - d. and welcoming discovery
- 2) schools of around 60 million icefish breeding in an area roughly _____
 - a. 240 square kilometers
 - b. 240 circular kilometers
 - c. 240 rectangular kilometers
 - d. 240 triangular kilometers
- 3) The research team had been towing a number of cameras to a _____ metres
 - a. deep of 530
 - b. deepen of 530
 - c. deep of 530
 - d. depth of 530
- 4) He said: "The idea that such a huge breeding _____
 - a. arena of icefish
 - b. aerial of icefish
 - c. aura of icefish
 - d. area of icefish
- 5) in the Weddell Sea was previously undiscovered _____
 - a. is totally fascination
 - b. is totally fascinate tin
 - c. is totally fascinating
 - d. is totally fascinators
- 6) The researchers have been exploring the region hoping to establish it _____
 - a. as an officials
 - b. as an officially
 - c. as an official
 - d. as an officialdom
- 7) They say the seas are a unique habitat that _____
 - a. must been preserved
 - b. must be preserved
 - c. must being preserved
 - d. must beep preserved
- 8) found that fishing trawlers in Antarctica are bringing millions of _____
 - a. "hitch-hiking" spurious
 - b. "hitch-hiking" specimens
 - c. "hitch-hiking" specials
 - d. "hitch-hiking" species
- 9) A researcher said: "So far, the remoteness and difficult _____
 - a. sea-ice conditions
 - b. sea-ice condition
 - c. sea-ice conditional
 - d. sea-ice conditioning
- 10) we should be much more ambitious _____
 - a. with mooring conservation
 - b. with marine conservation
 - c. with marinade conservation
 - d. with marinate conservation

LISTENING – Listen and fill in the gaps

From <https://breakingnewsenglish.com/2201/220116-antarctic-icefish.html>

Scientists in Antarctica have (1) _____ and welcome discovery - the world's largest breeding ground for fish. Researchers from Germany's Alfred Wegener Institute for Polar and Marine Research came across the fish (2) _____ seabed of the Antarctic Weddell Sea. They discovered schools of around 60 million icefish breeding in (3) _____ 240 square kilometers in size. The research team had been (4) _____ of cameras to a depth of 530 metres under the Weddell Sea for months. (5) _____ Autun Purser commented on the find. He said: "The idea that such a huge breeding area of icefish in the Weddell Sea was previously undiscovered (6) _____."

The researchers have been exploring (7) _____ to establish it as an official Marine Protected Area. They say the seas are a unique habitat that (8) _____. They want to prevent fishing and invasive research to keep the waters as (9) _____. A recent University of Cambridge study found that fishing trawlers in Antarctica are (10) _____ "hitch-hiking" species from 1,500 ports around the globe. These are threatening the area's fragile eco-systems. A researcher said: "So far, (11) _____ difficult sea-ice conditions of this southernmost area...have protected it, but...we should be much (12) _____ marine conservation."

COMPREHENSION QUESTIONS

From <https://breakingnewsenglish.com/2201/220116-antarctic-icefish.html>

1. What kind of institute do the researchers work at?
2. What were the researchers mapping when they made their discovery?
3. How large is the fish breeding ground?
4. What did the researchers tow?
5. What is the job of Autun Purser?
6. What do researchers want to establish the breeding area as?
7. What did the researchers say the seas in Antarctica were?
8. What did a Cambridge University study say "hitch-hikes" to Antarctica?
9. What did a researcher say hitch-hikers were threatening?
10. What did a researcher say we should be more ambitious about?

MULTIPLE CHOICE - QUIZ

From <https://breakingnewsenglish.com/2201/220116-antarctic-icefish.html>

1) What kind of institute do the researchers work at?

- a) a fish institute
- b) a polar and marine institute
- c) a climate change institute
- d) an ice institute

2) What were the researchers mapping when they made their discovery?

- a) the Southern Hemisphere
- b) the Internet
- c) icebergs
- d) the seabed

3) How large is the fish breeding ground?

- a) 240-square kilometres
- b) 250-square kilometres
- c) 220-square kilometres
- d) 260-square kilometres

4) What did the researchers tow?

- a) fish
- b) small boats
- c) cameras
- d) the line

5) What is the job of Autun Purser?

- a) a journalist
- b) a deep-sea biologist
- c) a marine archaeologist
- d) sailor

6) What do researchers want to establish the breeding area as?

- a) a tourist attraction
- b) a UNESCO World Heritage site
- c) a Marine Protected Area
- d) a fishery

7) What did the researchers say the seas in Antarctica were?

- a) icy
- b) cold
- c) home to unique fish
- d) a unique habitat

8) What did a Cambridge University study say "hitch-hikes" to Antarctica?

- a) millions of species
- b) whales
- c) backpackers
- d) sailors

9) What did a researcher say hitch-hikers were threatening?

- a) fragile eco-systems
- b) sailors
- c) people
- d) ice

10) What did a researcher say we should be more ambitious about?

- a) the ice shelf
- b) marine conservation
- c) fish
- d) visiting Antarctica

ROLE PLAY

From <https://breakingnewsenglish.com/2201/220116-antarctic-icefish.html>

Role A – Icefish

You think icefish are the most interesting Antarctic creatures. Tell the others three reasons why. Tell them what is wrong with their creatures. Also, tell the others which is the least interesting of these (and why): penguins, killer whales or squid.

Role B – Penguins

You think penguins are the most interesting Antarctic creatures. Tell the others three reasons why. Tell them what is wrong with their creatures. Also, tell the others which is the least interesting of these (and why): icefish, killer whales or squid.

Role C – Killer Whales

You think killer whales are the most interesting Antarctic creatures. Tell the others three reasons why. Tell them what is wrong with their creatures. Also, tell the others which is the least interesting of these (and why): penguins, icefish or squid.

Role D – Squid

You think squid are the most interesting Antarctic creatures. Tell the others three reasons why. Tell them what is wrong with their creatures. Also, tell the others which is the least interesting of these (and why): penguins, killer whales or icefish.

AFTER READING / LISTENING

From <https://breakingnewsenglish.com/2201/220116-antarctic-icefish.html>

1. WORD SEARCH: Look in your dictionary / computer to find collocates, other meanings, information, synonyms ... for the words 'Antarctic' and 'fish'.

| Antarctic | fish |
|-----------|------|
| | |

- Share your findings with your partners.
- Make questions using the words you found.
- Ask your partner / group your questions.

2. ARTICLE QUESTIONS: Look back at the article and write down some questions you would like to ask the class about the text.

- Share your questions with other classmates / groups.
- Ask your partner / group your questions.

3. GAP FILL: In pairs / groups, compare your answers to this exercise. Check your answers. Talk about the words from the activity. Were they new, interesting, worth learning...?

4. VOCABULARY: Circle any words you do not understand. In groups, pool unknown words and use dictionaries to find their meanings.

5. TEST EACH OTHER: Look at the words below. With your partner, try to recall how they were used in the text:

| | |
|---|---|
| <ul style="list-style-type: none">• largest• mapping• 60• 530• find• totally | <ul style="list-style-type: none">• hoping• unique• waters• globe• difficult• marine |
|---|---|

ANTARCTICA SURVEY

From <https://breakingnewsenglish.com/2201/220116-antarctic-icefish.html>

Write five GOOD questions about Antarctica in the table. Do this in pairs. Each student must write the questions on his / her own paper. When you have finished, interview other students. Write down their answers.

| | STUDENT 1 _____ | STUDENT 2 _____ | STUDENT 3 _____ |
|------|--------------------|--------------------|--------------------|
| Q.1. | | | |
| Q.2. | | | |
| Q.3. | | | |
| Q.4. | | | |
| Q.5. | | | |

- Now return to your original partner and share and talk about what you found out. Change partners often.
- Make mini-presentations to other groups on your findings.

ANTARCTICA DISCUSSION

STUDENT A's QUESTIONS (Do not show these to student B)

1. What did you think when you read the headline?
2. What images are in your mind when you hear the word 'scientists'?
3. What do you know about Antarctica?
4. What do you know about icefish?
5. How has this breeding ground never been found before?
6. Would you like to visit Antarctica?
7. Would you like to be a polar researcher?
8. Why is the Antarctic important?
9. What's your favourite fish, and why?
10. How important is this discovery?

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ANTARCTICA DISCUSSION

STUDENT B's QUESTIONS (Do not show these to student A)

11. Did you like reading this article? Why/not?
12. What do you think of when you hear the word 'Antarctica'?
13. What do you think about what you read?
14. Why should the Antarctic be preserved?
15. Why is Antarctica so unique?
16. Should all fishing boats be totally banned from Antarctica?
17. How might invasive species affect the eco-systems in Antarctica?
18. Is the North Pole or South Pole more important?
19. What more can we do to help with marine conservation?
20. What questions would you like to ask the scientists?

DISCUSSION (Write your own questions)

STUDENT A's QUESTIONS (Do not show these to student B)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

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DISCUSSION (Write your own questions)

STUDENT B's QUESTIONS (Do not show these to student A)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

LANGUAGE - CLOZE

From <https://breakingnewsenglish.com/2201/220116-antarctic-icefish.html>

Scientists in Antarctica have (1) _____ a surprising and welcome discovery - the world's largest breeding ground for fish. Researchers from Germany's Alfred Wegener Institute for (2) _____ and Marine Research came (3) _____ the fish while mapping the seabed of the Antarctic Weddell Sea. They discovered schools of around 60 million icefish breeding in an area (4) _____ 240 square kilometers in size. The research team had been towing a number of cameras to a (5) _____ of 530 metres under the Weddell Sea for months. Deep-sea biologist Autun Purser commented (6) _____ the find. He said: "The idea that such a huge breeding area of icefish in the Weddell Sea was previously undiscovered is totally fascinating."

The researchers have been (7) _____ the region hoping to establish it as an official Marine Protected Area. They say the (8) _____ are a unique habitat that must be preserved. They want to prevent fishing and invasive research to keep the waters as (9) _____ as possible. A recent University of Cambridge study found that fishing (10) _____ in Antarctica are bringing millions of "hitch-hiking" species from 1,500 ports around the globe. These are threatening the area's fragile eco-systems. A researcher said: "So far, the (11) _____ and difficult sea-ice conditions of this southernmost area...have protected it, but...we should be much more ambitious with (12) _____ conservation."

Put the correct words from the table below in the above article.

- | | | | | |
|-----|------------------|----------------|-----------------|---------------|
| 1. | (a) given | (b) made | (c) taken | (d) done |
| 2. | (a) Molar | (b) Polar | (c) Solar | (d) Femur |
| 3. | (a) through | (b) over | (c) under | (d) across |
| 4. | (a) roughish | (b) roughly | (c) roughed | (d) rough |
| 5. | (a) deeps | (b) deeply | (c) deepen | (d) depth |
| 6. | (a) to | (b) at | (c) in | (d) on |
| 7. | (a) exploring | (b) imploring | (c) deploring | (d) imploding |
| 8. | (a) seasons | (b) sea | (c) seas | (d) seers |
| 9. | (a) preventative | (b) surety | (c) endorsed | (d) pristine |
| 10. | (a) trawlers | (b) distillers | (c) ogres | (d) darners |
| 11. | (a) remoteness | (b) prissiness | (c) ineptitude | (d) brevity |
| 12. | (a) marine | (b) alluvial | (c) libertarian | (d) ensuing |

SPELLING

From <https://breakingnewsenglish.com/2201/220116-antarctic-icefish.html>

Paragraph 1

1. a surprising and welcome isodevcry
2. appming the seabed of the Antarctic
3. woting a number of cameras
4. Deep-sea giloobits
5. ipvresyulo undiscovered
6. totally fsgcainaitn

Paragraph 2

7. oxgienrlp the region
8. the seas are a iunueq habitat
9. prevent fishing and ivisaevn research
10. keep the waters as nipsitre as possible
11. the area's grilfae eco-systems
12. meniar conservation

PUT THE TEXT BACK TOGETHER

From <https://breakingnewsenglish.com/2201/220116-antarctic-icefish.html>

Number these lines in the correct order.

- () The researchers have been exploring the region hoping to establish it as an official Marine Protected Area. They
- () in Antarctica are bringing millions of "hitch-hiking" species from 1,500 ports around the globe. These are
- (**1**) Scientists in Antarctica have made a surprising and welcome discovery - the world's largest breeding ground
- () in an area roughly 240 square kilometers in size. The research team had been towing a number
- () in the Weddell Sea was previously undiscovered is totally fascinating."
- () for fish. Researchers from Germany's Alfred Wegener Institute for Polar and Marine Research came
- () research to keep the waters as pristine as possible. A recent University of Cambridge study found that fishing trawlers
- () say the seas are a unique habitat that must be preserved. They want to prevent fishing and invasive
- () and difficult sea-ice conditions of this southernmost area...have protected it,
- () biologist Autun Purser commented on the find. He said: "The idea that such a huge breeding area of icefish
- () threatening the area's fragile eco-systems. A researcher said: "So far, the remoteness
- () but...we should be much more ambitious with marine conservation."
- () of cameras to a depth of 530 metres under the Weddell Sea for months. Deep-sea
- () across the fish while mapping the seabed of the Antarctic Weddell Sea. They discovered schools of around 60 million icefish breeding

PUT THE WORDS IN THE RIGHT ORDER

From <https://breakingnewsenglish.com/2201/220116-antarctic-icefish.html>

1. and discovery . made welcome surprising Scientists a have
2. while across seabed . mapping Came the fish the
3. square in area kilometers roughly 240 An size .
4. had Researchers a cameras . been number of towing
5. a of icefish . huge breeding Such area
6. the region . exploring been researchers The have
7. unique a the say They habitat . are seas
8. prevent They research . want to fishing and
9. are eco-systems . the area's These threatening fragile
10. marine more ambitious We be should with conservation .

CIRCLE THE CORRECT WORD (20 PAIRS)

From <https://breakingnewsenglish.com/2201/220116-antarctic-icefish.html>

Scientists in Antarctica have made a *surprise / surprising* and welcome discovery - the world's largest *breed / breeding* ground for fish. Researchers from Germany's Alfred Wegener Institute for *Polar / Solar* and Marine Research came across the fish while *mopping / mapping* the seabed of the Antarctic Weddell Sea. They discovered schools *of / off* around 60 million icefish breeding in an area *rough / roughly* 240 square kilometers in size. The research team had been *towing / stowing* a number of cameras to a depth of 530 metres under the Weddell Sea for *months / month*. Deep-sea biologist Autun Purser commented on the *fund / find*. He said: "The idea that such a huge breeding area of icefish in the Weddell Sea was previously undiscovered is totally *fastening / fascinating*."

The researchers have been exploring the region hoping *to / for* establish it as an official Marine Protected Area. They say the seas are a *uniquely / unique* habitat that must *have / be* preserved. They want to prevent fishing and *invasion / invasive* research to keep the waters as *pristine / sustain* as possible. A recent University of Cambridge study found that fishing trawlers in Antarctica are bringing millions of "hitch-hiking" species from 1,500 *parts / ports* around the *globe / globular*. These are threatening the area's *agile / fragile* eco-systems. A researcher said: "So *for / far*, the remoteness and difficult sea-ice conditions of this southernmost area...have protected *it / them*, but...we should be much more ambitious with marine conservation."

Talk about the connection between each pair of words in italics, and why the correct word is correct.

INSERT THE VOWELS (a, e, i, o, u)

From <https://breakingnewsenglish.com/2201/220116-antarctic-icefish.html>

Sc__nt_sts _n _nt_rct_c_ h_v_ m_d_ _ s_rpr_s_ng
_nd w_lc_m_ d_sc_v_ry - th_ w_rld's l_rg_st br__d_ng
gr__nd f_r f_sh. R_s__rch_rs fr_m G_rm_ny's _lfr_d
W_g_n_r _nst_t_t_ f_r P_l_r_ _nd M_r_n_ R_s__rch c_m_
_cr_ss th_ f_sh wh_l_ m_pp_ng th_ s__b_d _f th_
_nt_rct_c_ W_dd_ll S___. Th_y d_sc_v_r_d sch__ls _f
_r__nd 60 m_ll__n _c_f_sh br__d_ng _n _n_r__
r__ghly 240 sq__r_ k_l_m_t_rs _n s_z_. Th_ r_s__rch
t__m h_d b__n t_w_ng _ n_mbr_ _f c_m_r_s t_ _
d_pth _f 530 m_tr_s _nd_r th_ W_dd_ll S__ f_r
m_nths. D__p-s__ b__l_g_st __t_n P_rs_r c_mm_nt_d _n
th_ f_nd. H_ s__d: "Th_ _d__ th_t s_ch _ h_g_
br__d_ng _r__ _f _c_f_sh _n th_ W_dd_ll S__ w_s
pr_v__sly _nd_sc_v_r_d _s t_t_lly f_sc_n_t_ng."

Th_ r_s__rch_rs h_v_ b__n _xpl_r_ng th_ r_g__n
h_p_ng t_ _st_bl_sh _t _s _n _ff_c__l M_r_n_
Pr_t_ct_d _r__. Th_y s_y th_ s__s _r_ _ _n_q__
h_b_t_t th_t m_st b_ pr_s_rv_d. Th_y w_nt t_ pr_v_nt
f_sh_ng _nd _nv_s_v_ r_s__rch t_ k__p th_ w_t_rs _s
pr_st_n_ _s p_ss_bl_. _ r_c_nt _n_v_rs_ty _f
C_mbr_dg_ st_dy f__nd th_t f_sh_ng tr_wl_rs _n
_nt_rct_c_ _r_ br_ng_ng m_ll__ns _f "h_tch-h_k_ng"
sp_c__s fr_m 1,500 p_rts _r__nd th_ gl_b_. Th_s_ _r_
thr__t_n_ng th_ _r__'s fr_g_l_ _c__-syst_ms. _
r_s__rch_r s__d: "S_ f_r, th_ r_m_t_n_ss _nd d_ff_c_lt
s__-c_ c_nd_t__ns _f th_s s__th_rnm_st _r__...h_v_
pr_t_ct_d _t, b_t...w_ sh__ld b_ m_ch m_r_ _mb_t__s
w_th m_r_n_ c_ns_rv_t__n."

PUNCTUATE THE TEXT AND ADD CAPITALS

From <https://breakingnewsenglish.com/2201/220116-antarctic-icefish.html>

scientists in antarctica have made a surprising and welcome discovery the worlds largest breeding ground for fish researchers from germanys alfred wegener institute for polar and marine research came across the fish while mapping the seabed of the antarctic weddell sea they discovered schools of around 60 million icefish breeding in an area roughly 240 square kilometers in size the research team had been towing a number of cameras to a depth of 530 metres under the weddell sea for months deepsea biologist autun purser commented on the find he said the idea that such a huge breeding area of icefish in the weddell sea was previously undiscovered is totally fascinating

the researchers have been exploring the region hoping to establish it as an official marine protected area they say the seas are a unique habitat that must be preserved they want to prevent fishing and invasive research to keep the waters as pristine as possible a recent university of cambridge study found that fishing trawlers in antarctica are bringing millions of hitchhiking species from 1500 ports around the globe these are threatening the areas fragile ecosystems a researcher said so far the remoteness and difficult seaice conditions of this southernmost areahave protected it butwe should be much more ambitious with marine conservation

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2201/220116-antarctic-icefish.html>

Scientists in Antarctica have made a surprising and welcome discovery - the world's largest breeding ground for fish. Researchers from Germany's Alfred Wegener Institute for Polar and Marine Research came across the fish while mapping the seabed of the Antarctic Weddell Sea. They discovered schools of around 60 million icefish breeding in an area roughly 240 square kilometers in size. The research team had been towing a number of cameras to a depth of 530 metres under the Weddell Sea for months. Deep-sea biologist Autun Purser commented on the find. He said: "The idea that such a huge breeding area of icefish in the Weddell Sea was previously undiscovered is totally fascinating." The researchers have been exploring the region hoping to establish it as an official Marine Protected Area. They say these seas are a unique habitat that must be preserved. They want to prevent fishing and invasive research to keep the waters as pristine as possible. A recent University of Cambridge study found that fishing trawlers in Antarctica are bringing millions of "hitch-hiking" species from 1,500 ports around the globe. These are threatening the area's fragile ecosystems. A researcher said: "So far, the remoteness and difficult sea-ice conditions of this southernmost area... have protected it, but... we should be much more ambitious with marine conservation."

HOMEWORK

1. VOCABULARY EXTENSION: Choose several of the words from the text. Use a dictionary or Google's search field (or another search engine) to build up more associations / collocations of each word.

2. INTERNET: Search the Internet and find out more about this news story. Share what you discover with your partner(s) in the next lesson.

3. ICEFISH: Make a poster about icefish. Show your work to your classmates in the next lesson. Did you all have similar things?

4. PROTECTED AREA: Write a magazine article about making the whole of Antarctica a protected area free from fishing. Include imaginary interviews with people who are for and against this.

Read what you wrote to your classmates in the next lesson. Write down any new words and expressions you hear from your partner(s).

5. WHAT HAPPENED NEXT? Write a newspaper article about the next stage in this news story. Read what you wrote to your classmates in the next lesson. Give each other feedback on your articles.

6. LETTER: Write a letter to an expert on Antarctica. Ask him/her three questions about it. Give him/her three of your ideas on how to protect Antarctica. Read your letter to your partner(s) in your next lesson. Your partner(s) will answer your questions.

ANSWERS

VOCABULARY (p.4)

1. c 2. d 3. g 4. e 5. a 6. f 7. b
8. k 9. m 10. n 11. j 12. i 13. h 14. l

TRUE / FALSE (p.5)

- 1 F 2 F 3 T 4 T 5 T 6 T 7 F 8 T

SYNONYM MATCH (p.5)

| | | | | |
|------|------|------|------|-------|
| 1. g | 2. d | 3. j | 4. b | 5. h |
| 6. a | 7. i | 8. e | 9. f | 10. c |

COMPREHENSION QUESTIONS (p.9)

1. A polar and marine institute
2. The seabed
3. 240 square kilometres
4. Cameras
5. A deep-sea biologist
6. A Marine Protected Area
7. A unique habitat
8. Millions of species
9. Fragile eco-systems
10. Marine conservation

WORDS IN THE RIGHT ORDER (p.19)

1. Scientists have made a surprising and welcome discovery.
2. Came across the fish while mapping the seabed.
3. An area roughly 240 square kilometers in size.
4. Researchers had been towing a number of cameras.
5. Such a huge breeding area of icefish.
6. The researchers have been exploring the region.
7. They say the seas are a unique habitat.
8. They want to prevent fishing and research.
9. These are threatening the area's fragile eco-systems.
10. We should be more ambitious with marine conservation.

MULTIPLE CHOICE - QUIZ (p.10)

1. b 2. d 3. a 4. c 5. b 6. c 7. d 8. a 9. a 10. b

ALL OTHER EXERCISES

Please check for yourself by looking at the Article on page 2.
(It's good for your English ;-)