**Living Blue – Marine Reserves**  
 ‘Why do we need Marine Reserves?’



**Comprehension Questions**

**Why do we need no-take marine sanctuaries?**

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| 1. Marine sanctuaries will help parts of The Bay of Islands return to what state? |
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| 2. What happens when we take too many of the top predators e.g. snapper and crayfish? |
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| 3. What is a kina barren? |
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| 4. How do kina make the seabed barren and bare? |
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| 5. Why is it important to have healthy kelp (seaweed)? |
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| 6. Look at the image below. What is the difference between the fishing area and the no-fishing area? |
| **rogers-diagram.jpg** |
| What do you think happens to the fishing area if it has a no-take (no fishing), protected area nearby? |
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**Teachers Answers**

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| 1. Marine sanctuaries will help parts of The Bay of Islands return to what state? |
| A natural state |
| 2. What happens when we take too many of the top predators e.g. snapper and crayfish? |
| Balance is upset, fish numbers fall |
| 3. What is a kina barren? |
| Bare rock and lots of sea urchins, no kelp or fish nursery |
| 4. How do kina make the seabed barren and bare? |
| Eat through kelp (seaweed) |
| 5. Why is it important to have healthy kelp (seaweed)? |
| To encourage marine biodiversity |
| 6. Look at the image below. What is the difference between the fishing area and the no-fishing area? |
| **rogers-diagram.jpg**  No kina barren, more fish, larger fish, greater biodiversity, returned natural state. |
| What do you think happens to the fishing area if it has a no-take (no fishing), protected area nearby? |
| ***Any reasonable answer.*** |