

# **Report on the Outcomes of**

## **Exercise Tethys**

**A simulation exercise examining inter-jurisdictional communication and cooperation in response to an emergency disease incident in the aquaculture industry**

**June 2004**

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## **Glossary**

AAHL – Australian Animal Health Laboratory  
AGDAFF – Australian Government Department of Agriculture, Fisheries and Forestry  
CCEAD – Consultative Committee on Emergency Animal Diseases  
EADRA – Emergency Animal Disease Response Agreement  
FRDC – Fisheries and Research Corporation  
LDCC – Local Disease Control Centre  
NDCHQ – National Disease Control Headquarters  
NGO – Non-Government Organisation  
NMG – National Emergency Animal Disease Management Group  
OCVO – Office of the Chief Veterinary Officer  
OIE – World Animal Health Organisation  
PCR – Polymerase Chain Reaction  
SDCHQ – State Disease Control Headquarters  
TOM – Tasmanian Operational Manual  
VHS – Viral Haemorrhagic Septicaemia  
WSV – White Spot Virus

## **Executive Summary**

In the past 20 years, many fisheries and aquaculture industries around the world have suffered major production losses through the impact of disease epidemics. To date, Australia has avoided many of these epidemics and retains a favourable disease status, which facilitates international trade and the receipt of premium prices for Australian seafood exports.

In Australia, both marine and freshwater environments cross State/Territory boundaries. The need for inter-jurisdictional co-operation and communication in successful disease control and eradication is critical but had not previously been addressed within the simulation framework.

Exercise Tethys was planned and designed to extend on the previous program of simulation exercises and training to present a simulation exercise concurrently involving several States and Territories and focusing on the areas of interstate communication, cooperation and co-ordination. The exercise was designed to be a major test of the management systems developed under AQUAPLAN in the last four years and the participants' familiarity with these systems.

The aim of Exercise Tethys was to effectively address issues of inter-jurisdictional<sup>1</sup> communication and cooperation in response to an emergency disease incident, and heighten the awareness of these jurisdictions to the potential for incursions of emergency disease in Australia's aquatic environment.

The objectives of the simulation were to:

- Test formal communications networks between jurisdictions;
- Enhance informal communication networks between jurisdictions;
- Evaluate the effectiveness of arrangements in Control Centre manuals;
- Improve cooperation between jurisdictions during an emergency response; and
- Evaluate the awareness of emergency disease management mechanisms.

The simulation was developed over the six-month period from January to June 2003. A working group was formed early in 2003 and contributed to the development of the simulation through the provision of scientific and industry knowledge, and the coordination of jurisdictional involvement in the conduct of the exercise.

The Exercise involved the active participation of all Australian government jurisdictions except the Northern Territory, CSIRO and three producer organisations: the NSW Silver Perch Growers Association, The Tasmanian Salmonid Growers Association and the National Aquaculture Council.

Exercise Tethys was successfully conducted on 17-18 November 2003, with over 80 officers participating nationwide.

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<sup>1</sup> The term "jurisdiction" refers to State/Territory Governments and the Commonwealth Government as whole entities, as opposed to individual agencies within the State, Territory or Commonwealth.

Evaluation of the outcomes of the exercise and jurisdictional performance and debriefing highlighted that communication, consultation and cooperation between jurisdictions are vital elements of an emergency aquatic animal disease response. This report makes a number of recommendations that aim to improve pre-existing frameworks and resources in order to develop more robust communication systems and procedures for an emergency response.

#### *Committee Operations*

1. The aquatic CCEAD Secretariat should
  - a. Establish a faxstream service to enable the rapid distribution of documents to all CCEAD participants.
  - b. Investigate the development of a secure password accessible website to maintain a contact list of CCEAD participants. The website could also be used for the distribution of other information including document templates.
  - c. Ensure that all jurisdictions are given the opportunity to participate in all future CCEAD meetings.
  - d. Notify members of CCEAD meetings by telephone – not email.
  - e. Be staffed by more than one officer during an emergency response to allow more efficient task allocation and a more timely flow of information.
  - f. Urgently review minute taking procedures, with the aim of producing minutes that accurately record the discussions and decisions of the meeting.
  - g. Establish performance standards for the completion of CCEAD associated activities (distribution of minutes etc)
2. Timing for CCEAD meetings should be such that jurisdictions have time to prepare written reports for distribution and consideration prior to the CCEAD meeting. These reports should be short and to the point.
  - a. A standard template for situation reports should be developed and made available to CCEAD members for use as a guide to the preparation of these reports.
3. The NMG Secretariat should
  - a. include details for representatives of fisheries agencies in their member list, including after hours contacts.
  - b. To the best of their ability, ensure that NMG members are given adequate time to read agenda material and consult with their agency
4. Both NMG and CCEAD teleconference participants should be encouraged to access the nearest landline for national teleconferences, and use mobile telephones as a last resort.

#### *Communications*

5. At the commencement of an emergency response, all jurisdictions should:
  - a. Circulate a contact list to other involved jurisdictions. When received, these lists should be circulated within jurisdictions.
  - b. Establish a standard telephone log system, which should be transferred to an electronic format/file at the end of each day.

6. When sending information by Email during a response, all important messages should be followed up by a telephone call to ensure receipt of the message.
7. Jurisdictions should investigate the usefulness of dedicated email addresses for emergency response communications.
8. NMG members need to be comprehensively informed on technical issues by CCEAD, especially when dealing with a disease for the first time.
9. Consideration should be given to:
  - a. the development of a national aquatic animal health emergency media strategy or the inclusion of media guidelines in AQUAVETPLAN.
  - b. The inclusion of media officers from the State and Territory Departments of Fisheries in the National Communicators Network
  - c. The inclusion of aquaculture industry association PR people in the National Communicators Network
10. Consideration should be given to the identification and involvement of appropriate NGOs in the aquatic CCEAD process.

*Emergency Planning*

11. Situation reports and other standard documents (where not prescribed by legislation) should be as similar as possible in each jurisdiction.
12. The AQUAVETPLAN Control Centres Manual should be revised to include additional proformas and checklists including a pro-forma for situation reports and a checklist of requirements for meeting rooms and State Disease Control Headquarters
13. States/Territories should adjust State Emergency Plans to allow for the inclusion of a records manager in the SDCHQ staffing.

*Emergency Training and Exercising*

14. Future training exercises should educate participants about the legal ramifications associated with records management during an emergency response.
15. Training of a broad range of staff in the content and application of the AQUAVETPLAN Control Centres Management Manual should be undertaken.
16. In the lead up to future exercises, more training should be held in participating jurisdictions.
17. In future exercises:
  - a. Observers should be encouraged, especially from other jurisdictions.
  - b. Organisers should seek to involve relevant industries at the state level

## **Background to Exercise**

In the past 20 years, many fisheries and aquaculture industries around the world have suffered major production losses through the impact of disease epidemics. To date, Australia has avoided many of these epidemics and retains a favourable disease status, which facilitates international trade and the receipt of premium prices for Australian seafood exports.

In 1995, a major disease incident resulted in the death of a substantial proportion of the Australian pilchard population. In response, the Federal government conducted several inquiries into the management of aquatic animal health. The subsequent reports (Nairn Report, Report of the National Taskforce on Imported Fish and Fish Products) revealed that Australia's emergency response capability was limited and ad hoc in nature.

The Government's response to these reports led to the development of AQUAPLAN - Australia's National Strategic Plan for Aquatic Animal Health 1998-2003. AQUAPLAN includes eight programs that address all aspects of aquatic animal health. Program Four - Preparedness and Response focuses on the development of effective institutional arrangements to manage disease emergencies, and within this program, project 4.1.3 focuses on the conduct of simulation exercises to test the capability and capacity of Australia's State/Territory authorities to manage emergency disease incidents. The conduct of these exercises has been ranked as a high priority by Fish Health Management Committee.

The conduct of simulation exercises was ranked as a high priority because the relative absence of emergency disease events in the Australian fishing and aquaculture industries has meant that government staff have had relatively little exposure to emergency management policy and procedures. The program of simulation exercises described below was in large part made possible by funding provided under the auspices of the Federal Budget Initiative entitled *Building a National Approach to Animal and Plant Health*.

Over the past four years, the Office of the Chief Veterinary Officer (OCVO) within the Australian Government Department of Agriculture, Fisheries and Forestry (AG-DAFF) has conducted a program of simulation exercises designed to enhance the ability of all State/Territory jurisdictions to respond to an emergency disease event. This program commenced with exercises involving individual jurisdictions and addressing issues ranging from response at an individual property level through to State-wide coordination of an emergency disease event. These exercises have included simulations involving:

1. The Queensland Department of Primary Industries and the prawn farming industry;
2. The Tasmanian Department of Primary Industry, Water and the Environment and the salmonid industry;
3. The Victorian Department of Natural Resources and Energy and the freshwater aquaculture industry;
4. The South Australian Department of Primary Industries and Resources and the abalone industry;
5. The Queensland Department of Primary Industries and the redclaw crayfish industry;



6. The Western Australia Fisheries Department and the pearling industry; and
7. The New South Wales Fisheries Department and the oyster industry.

In addition to exercises conducted with individual states, there have also been several exercises and training courses designed to enhance understanding of the national approach to disease management in aquaculture. These exercises have included:

1. A simulation exercise conducted for the Compliance Committee of Standing Committee on Fisheries and Aquaculture; and
2. A training course for Government and industry members of the aquatic Consultative Committee on Emergency Animal Diseases (CCEAD).

Whilst this training has assisted in the development of skills and response capacity, other activities have also played a role in progressing capability to manage emergency disease events in fisheries and aquaculture. In 2002, the Primary Industries Standing committee endorsed changes to the Operating Guidelines for CCEAD to specifically include responsibility for emergency disease events in fisheries and aquaculture. This change provided a mechanism for the coordination of a national response to disease events in fisheries and aquaculture.

The only emergency disease event in aquaculture that has been managed by the aquatic CCEAD was the occurrence of white spot virus (WSV) infection in crustaceans in two research aquariums in Darwin in December 2000 and the subsequent national survey of crustaceans to determine whether WSV was present in Australia. Industry and government dissatisfaction with the operation of CCEAD during this event lead to a formal review process – the “White Spot Post-Mortem”. Recommendations from this review have been adopted into the CCEAD Operating Guidelines.

Despite this combination of training, awareness programs and reviews, no test had been conducted to determine whether these processes had resulted in significant improvements in emergency disease response mechanisms in Australia. National coordination in fisheries and aquaculture disease emergencies is particularly important in Australia because both marine and freshwater environments cross State/Territory boundaries. The need for inter-jurisdictional co-operation in successful disease control and eradication is critical but had not previously been addressed within the simulation framework.

Exercise Tethys was planned and designed to extend on the previous program of simulation exercises and training to present a simulation exercise concurrently involving several States and Territories and focusing on the areas of interstate communication, cooperation and co-ordination. The exercise was designed to be a major test of the management systems developed under AQUAPLAN in the last four years and the participants familiarity with these systems.

The basic scenario of the exercise was a disease event on a fictional aquaculture facility within the Murray-Darling Basin. This scenario was specifically chosen to ensure the need for interaction between various State/Territory jurisdictions and was centred on the native fish species, silver perch, to ensure engagement of other government agencies involved in the management of the Australian freshwater environment and the native species contained therein.

The simulation was called *Exercise Tethys* after the Greek goddess Tethys. Tethys was the Goddess of the Fresh-Water flowing within the caverns of the earth. She was also mother to the Potamoi (rivers, springs and lakes of the world) and Okeanides (clouds).

## **Aims and Objectives of the Exercise**

### **Aim**

The aim of Exercise Tethys was to effectively address issues of inter-jurisdictional<sup>2</sup> communication and cooperation in response to an emergency disease incident, and heighten the awareness of these jurisdictions to the potential for incursions of emergency disease in Australia's aquatic environment.

### **Objectives**

The objectives of the simulation were to:

- Test formal communications networks between jurisdictions;
- Enhance informal communication networks between jurisdictions;
- Evaluate the effectiveness of arrangements in State and Territory Control Centre manuals;
- Improve cooperation between jurisdictions during an emergency response; and
- Evaluate the awareness of emergency disease management mechanisms.

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<sup>2</sup> The term "jurisdiction" refers to State/Territory and the Australian Governments as whole entities, as opposed to individual agencies within the State, Territory or Australian Government.

## **Coordination, Development and Conduct of the Exercise**

The simulation was developed over the six-month period from January to June 2003. FRDC funding under project 02/655 enabled the appointment of a full time Project Manager. The project manager was responsible for designing the simulation and associated documentation, however a working group formed early in 2003 contributed to the development of the simulation through the provision of scientific and industry knowledge, and coordinated their jurisdictions involvement in the conduct of the exercise.

The working group comprised representatives from each State and Territory department with responsibility for aquaculture, the Australian Animal Health Laboratory (AAHL), the Murray Darling Basin Commission and AG-DAFF.

Full details of the development of Exercise Tethys are presented in the final report to FRDC Project 2002/655

In October 2003, members of the working group attending a two-day training course to train them as exercise facilitators. As exercise facilitators, the working group were responsible for managing the conduct of the exercise in their jurisdiction as well as evaluating their jurisdiction's performance.

Funds for the conduct of this training course and the conduct of Exercise Tethys were provided through FRDC project 2003/669.

The Exercise involved the active participation of all Australian government jurisdictions except the Northern Territory, CSIRO and three producer organisations: the NSW Silver Perch Growers Association, The Tasmanian Salmonid Growers Association and the National Aquaculture Council. The Murray-Darling Basin Commission participated as an observer whilst the Australian Government Department of Environment and Heritage declined to be involved in the exercise.

To simulate the gradual accumulation of information that occurs during a real disease emergency, the exercise was preceded by a lead-in phase where information about the central incident within the simulation was provided as the fictional events unfolded. Commencing seven days before the simulation proper, appropriate participants received packages of information detailing events that precipitated the simulation and the combat State's response to those events. The exercise proper was held over two days with the first day of the exercise (17 November 2003) representing the time at which first laboratory results indicate the presence of an exotic disease and the second day of the exercise (18 November 2003) representing a time four days later when confirmation of the disease is received from the AAHL Fish Diseases Laboratory. Each day commenced at 9am AEDST and concluded at 4.30pm AEDST followed by a 30-minute information and debriefing session. At the end of the second day of the exercise, as part of the debriefing session, the later response measures and the outcome of the disease event were revealed to participants. The timing for the whole of the simulation exercise is detailed in the Master Schedule for the exercise. Various inputs designed to direct the exercise and introduce particular issues were written and formed part of the exercise documentation. All exercise documentation is included in the final report to FRDC Project 2002/655.

## **Debriefing and Evaluation Methods**

The aim and objectives of Exercise Tethys included the requirements to examine both formal and informal communication between jurisdictions during an emergency disease incident. The debriefing and evaluation methods included a range of techniques that were designed to allow specifically address the aim and objectives of the exercise.

### **Formal Communications**

The formal methods of inter-jurisdictional communication are the Consultative Committee on Emergency Animal Diseases (CCEAD) and the National Emergency Animal Disease Management Group (NMG) committees established to allow discussion of emergency disease incidents that require a national approach and response. Both committees operate under formal operating guidelines. Members of the Exercise Directing Staff participated as observers in both CCEAD and NMG meetings.

#### **Consultative Committee on Emergency Animal Diseases**

The conduct of the two CCEAD meetings was assessed against firstly the Operating Guidelines for CCEAD to determine whether the meeting had been conducted in accordance with the operating guidelines. Secondly, the CCEAD meetings were assessed against the recommendations of the White Spot Post Mortem exercise that had examined the performance of the CCEAD during a previous emergency disease incident. Thirdly, the observers from the Exercise Directing Team made direct observations and finally, comments made by participants during the debriefing process were considered.

#### **National Emergency Animal Disease Management Group**

The conduct of NMG meeting was assessed against the Operating Guidelines to determine whether the meeting had been conducted in accordance with these Operating Guidelines. The observer from the Exercise Directing Team made a direct report, and comments made by participants during the debriefing process were considered.

### **Informal Communications**

Informal communications are those communications that occur during the response to a disease emergency that are necessary for the transfer of information but occur outside of the formal communication networks.

#### **Facilitator check-lists**

Each State/Territory facilitator was issued with a jurisdiction-specific check-list detailing a pre-determined list of communications and actions that the exercise directing team had identified as necessary components of the response. The check-lists included space to record whether each item was completed, the time at which it was completed and whether the jurisdiction needed prompting to complete the item. The check-lists were designed based on the response activities described within the AQUAVETPLAN Control Centres Manual.

### Email Correspondence

A generic e-mail address ([tethys@affa.gov.au](mailto:tethys@affa.gov.au)) was established and e-mail correspondence sent by any participant in any jurisdiction was copied to this address. The Exercise Control Team in Canberra were able to access this mail box during the exercise and were able to see in real time how and why the participants used e-mail as a form of communication. These e-mails have been logged and a summary listing is reproduced in Appendix 2. An analysis of these logs is provided in the following section of this report.

### Telephone Log Sheets

All participants were required to complete telephone log sheets during the two-day exercise. Participants logged the time and nature of the call, as well as the name of the caller and receiver. This log was kept for both incoming and outgoing telephone calls. These log sheets have been collated and reproduced in Appendix 2. An analysis of these logs is provided in the following section of this report.

### Formal Debriefing Sessions

In addition to the objective assessment of the number and type of communications within the exercise, a series of debriefings were held with both participants and with the Exercise Directing Team. Each jurisdiction conducted a debriefing at the immediate conclusion of each day of the exercise. At the daily debriefing, each participant was asked to fill out a questionnaire responding to questions about the exercise and the use of communication within the exercise. In addition, each jurisdiction held a debriefing session within one week of the conclusion of the exercise. Finally, the entire Exercise Directing team held a national debriefing on the 2 December 2003.

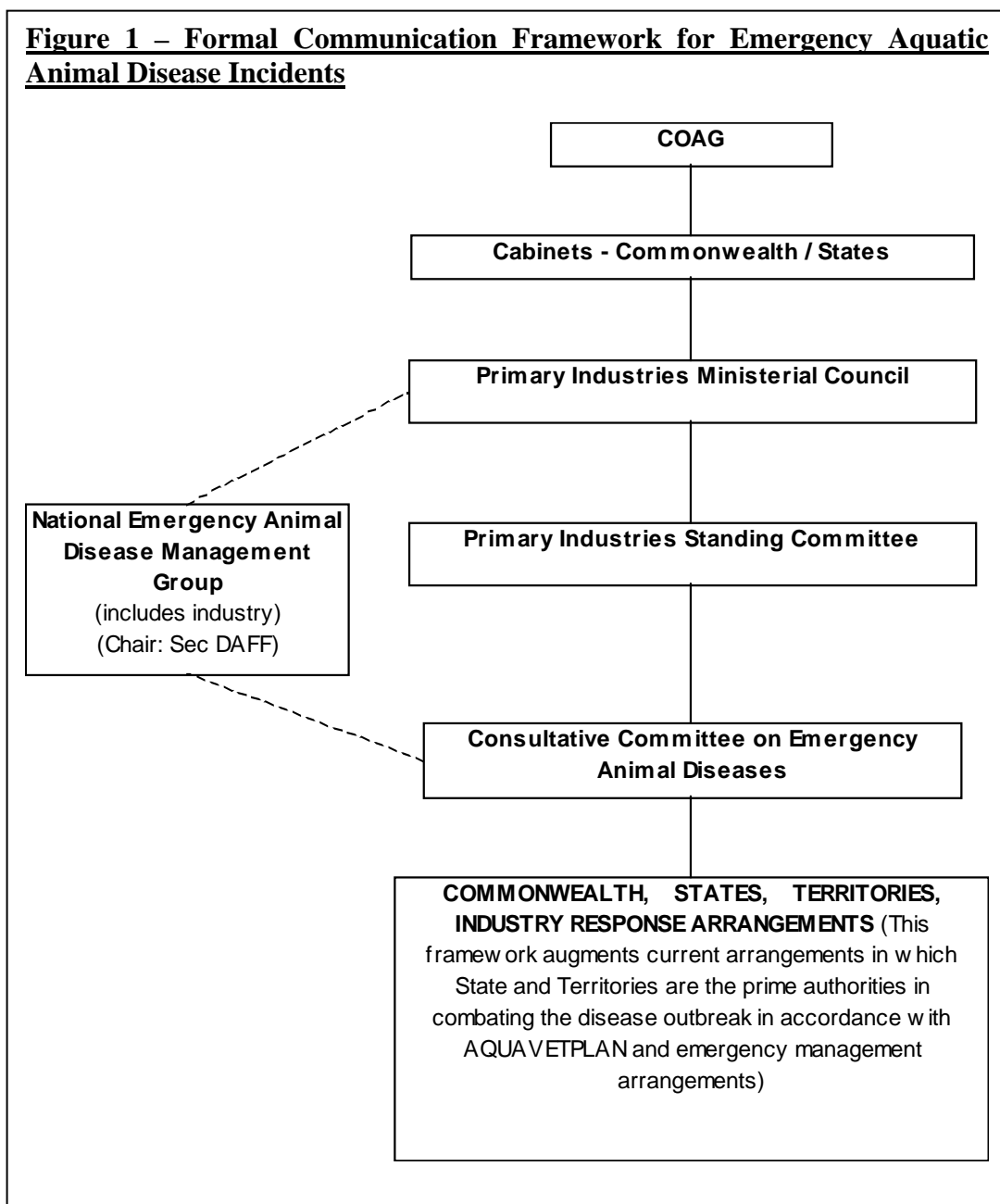
The debriefing process allowed personal experiences of the participants to be captured and assessed. The debriefing also allowed an assessment of the qualitative performance of communication activities i.e. their efficacy and efficiency as well as the quantitative nature of the communication during the exercise.

## Achievements against Objectives

The design of Exercise Tethys identified five formal objectives to be the basis of the exercise. In this assessment of the exercise, the performance of jurisdictions will be assessed against each of these formal objectives.

### Objective 1 - Testing formal communications networks between jurisdictions

As indicated earlier in this report, the two major groups responsible for managing inter-jurisdictional communication and cooperation during an emergency animal disease incident are CCEAD on the technical and operational level and NMG at the policy and strategic level. The relationship between these committees and the other inter-governmental councils involved in animal health is shown in Figure 1.



## Communication through CCEAD

The Consultative Committee on Emergency Animal Diseases (CCEAD) is responsible for the coordination of the national technical response to terrestrial and aquatic animal health emergencies in Australia. As a coordinating body providing the technical link between the Commonwealth, States, Territories and Industry for animal health emergencies, CCEAD provides a mechanism to enable rapid consultation and to facilitate a rapid national response to outbreaks of exotic disease, serious epizootics of Australian origin, or other situations that require national coordination such as problems of public health or of trade significance in animals.

During Exercise Tethys, CCEAD met twice by teleconference. Overall, participants reported that the CCEAD mechanism functioned well. Each jurisdiction had at least one participant with experience of the CCEAD process and this assisted with the smooth operation of the CCEAD meetings. To assess the quality of the communication that occurred during the two CCEAD meetings, the minutes of the meeting, facilitators observations and feedback provided during the debriefing process were compared with:

- The CCEAD Operating Guidelines; and
- Recommendations from the white spot virus post mortem process.

## Assessment Against the CCEAD Operating Guidelines

CCEAD operates under terms of reference and operating guidelines that were endorsed by the Primary Industry Standing Committee in July 2002. These guidelines include provisions on communication and consultation that should occur as part of the operation of CCEAD meetings. The activities of participating jurisdictions during the exercise have been assessed against the following provisions from the operating guidelines. Sections of the CCEAD Operating Guidelines used in this assessment are included below in italics.

*The Commonwealth provides a Secretariat for CCEAD. The Secretariat is responsible for the efficient operation of CCEAD business including collation, circulation and maintenance of documentation; arranging CCEAD meetings and their agendas, preparing meeting records and action lists, and preparing reports for PISC.*

During Exercise Tethys, the Office of the Chief Veterinary Officer (OCVO) within AG-DAFF provided the Secretariat for CCEAD. This Secretariat is located within the Aquatic Animal Health Unit.

At the request of the Australian Chief Veterinary Officer, the Secretariat arranged a CCEAD meeting on each active day of the exercise. Notification of these meetings was sent by e-mail. On the first day of the exercise, some jurisdictions received notification of the CCEAD meeting at very short notice (around 10 minutes). While this may have been an exercise artefact owing to members being available at “any time”, care should be taken in the future to ensure that members are given appropriate notice of CCEAD meetings. During the exercise, several jurisdictions had difficulties with the delivery of documents by e-mail, with some arriving late or out of order. It

was suggested therefore that notification of a CCEAD meeting should initially be by phone with the documents (agenda, situation reports etc) to follow by fax or e-mail.

The secretariat for the terrestrial CCEAD have a Telstra faxstream service set up on their fax machine – the service is relatively easy to use, and new mailing groups can be set up quickly. The aquatic CCEAD secretariat should investigate establishing an aquatic CCEAD mailing group as part of this faxstream service.

Care should also be taken to ensure the availability and participation of all CCEAD member jurisdictions. Due to the timing of the two CCEAD teleconferences during the simulation, representatives from Western Australia were unable to participate in either meeting. There are a number of valuable reasons to participate in any relevant CCEAD conference including the identification of appropriate knowledge and expertise sources relevant to the specific incident, development of agreed response options and establishment of suitable funding arrangements. Exclusion of any jurisdiction from this process may compromise any decisions made at such a meeting and non-participating jurisdictions may reserve the right not to cooperate with decisions made in their absence.

Although jurisdictions received notification of the meetings, no agendas were provided prior to the CCEAD meetings, and it was suggested that the pre-CCEAD information was inadequate. While this may have been an exercise artefact owing to the short time between the notification of the incident to the calling of the CCEAD meeting, the provision of pre-meeting information needs to be taken into consideration when choosing an appropriate time for the meeting. Information flow from the Secretariat to members could occur in a more timely fashion if the CCEAD Secretariat was staffed by more than one officer during an emergency response. This would allow allocation of tasks to ensure delivery and would help to provide a balance between emergency and day-to-day activities.

*Records of CCEAD meetings will be formally endorsed by members through an out-of-session process. A draft record will be circulated for comment with a response sheet. Comments and amendments will be incorporated into the draft to produce a final agreed record that will be circulated to members.*

A draft record of the minutes from the first CCEAD meeting was not circulated prior to the completion of the day's activities. However, a draft action list for the meeting was circulated within 1 hour of the completion of the meeting. A draft record of the minutes for the second CCEAD meeting was not circulated prior to the completion of the day's activities. However, a draft action list for the meeting was circulated within 1 hour of the completion of the meeting. It has been suggested that the minutes were not circulated due to the CVO being too busy (eg in other meetings) to clear them for release.

While the CCEAD Operating Guidelines do not list recommended times for the distribution of CCEAD documentation, timing guidelines do exist for other emergency management committees. The AFFEMPLAN Taskforce Secretary job card states that following a taskforce meeting, the action list must be circulated within 4 working hours of the meeting, and that the minutes must be circulated within 48 hours



of the meeting. Adopting similar guidelines may ensure the quick and efficient release of information to members, allowing tasks to be finalised in a prompt manner.

*The affected State will provide situation and progress reports and proposed actions, preferably in writing and preferably the day before a meeting of CCEAD, but in any case at least two hours before the start of any meeting.*

During Exercise Tethys, the affected state did not provide a written situation report prior to the CCEAD meetings on either day. From the passive lead-in phase, the laboratory report and the packaged information, there should have been sufficient information to provide a situation report prior to the meetings on each day. Two factors could have contributed to this happening: Firstly, the CCEAD meetings were called on very short notice, which may have left very little time in which to prepare a written situation report; and secondly, the affected state was also dealing with two real events during the conduct of Exercise Tethys which resulted in several senior team members being withdrawn from the exercise team to deal with these other events. This non-submission of situation reports may thus reflect the resource strain placed on the particular jurisdiction when dealing with more than one emergency/event.

While members were able to give verbal briefings during the teleconference, jurisdictions are often required to brief several officers within their agency prior to the teleconference (for technical/policy issues and opinions), so the distribution of written advice prior to the meeting (usually in the form of a situation report) is very important in the smooth and efficient running of CCEAD, as it enables members to make well-informed decisions during the meeting.

This action could be facilitated by the provision of a standard template for situation reports, either in the AQUAVETPLAN Control Centre Manual or as part of the CCEAD Operating Guidelines.

*The Commonwealth and other States/Territories will make available any information they have about occurrence of the disease within their borders or overseas, preferably before the meeting in writing with the time lines specified for the affected State/Territory.*

While there was only one affected jurisdiction on the first day of the exercise, by the second day three jurisdictions were affected. However, despite the provision of laboratory reports and packaged information, only one jurisdiction provided written information regarding its disease status prior to the CCEAD meeting. Again, while members were able to give verbal briefings during the meeting, the distribution of written advice prior to the meeting enables all members to participate fully and make well-informed decisions.

*Industry representatives may participate in CCEAD meetings. Industry participants must give a written undertaking in advance to abide by the requirements of the CCEAD Operating Guidelines, including provisions on confidentiality and conflict of interest.*

Industry representatives participated in both of the CCEAD meetings held during Exercise Tethys. However, these representatives did not provide a written statement

that they would abide by the CCEAD Operating Guidelines. While this may be an exercise artefact owing to industry participation being organised in advance, a proforma for this statement was available and could have been sent to the representatives to complete as part of the exercise. Appendix H of the CCEAD Operating Guidelines contains a confidentiality deed that could have been completed by these industry representatives prior to their participation in the first CCEAD meeting.

As part of another FRDC project, CCEAD training courses for industry representatives were run in early 2003 in several locations around Australia. Only one of the industry representatives who participated in Exercise Tethys had attended this training course.

*CCEAD makes judgements and provides advice regarding the presumptive and confirmatory diagnosis of outbreaks of exotic diseases and advises on eradication or control methods for presumptive or confirmed emergencies.*

During the CCEAD meeting on day two of the Exercise, CCEAD discussed the laboratory results and their implications before resolving that it was “fairly conclusive” that the virus was Viral Haemorrhagic Septicaemia (VHS). While this was an important part of the discussions and forms part of the case definition phase of CCEAD’s activities, the notes taken during the meeting are not extensive and may not reflect the complete discussions concerning this issue.

One action arising from the CCEAD meeting on day one of Exercise Tethys was for the affected state to prepare an Emergency Animal Disease Response Plan. No written evidence of the preparation of this plan was seen on either day one or day two of the exercise. At the completion of the CCEAD meeting on day two of the exercise, CCEAD had not reached national agreement on response measures. The affected state “carried out” some control/eradication measures without direct advice or agreement from CCEAD. In a real event, this may cause problems with consistency of response measures in different jurisdictions and may have international and trade implications.

*CCEAD facilitates Australia meeting its international reporting obligations in respect of emergency animal diseases.*

During Exercise Tethys, CCEAD members resolved not to report the suspected outbreak of VHS to the World Animal Health Organisation (OIE). The CCEAD members felt that diagnosis based on polymerase chain reaction (PCR) and electron microscopy was not conclusive and that a definitive diagnosis would require results from tissue culture studies. This position is supported by the OIE’s Manual of Diagnostic Tests for Aquatic Animals that states that PCR for VHS “has not yet been validated for use in direct surveillance programmes for obtaining approved VHS-free status”.

#### Assessment Against the WSV Post Mortem Recommendations

In late 2001-early 2002, a post mortem exercise to review the national response to the white spot virus (WSV) incident in Darwin was held. Communication and the operation of CCEAD were two of the key issues highlighted by the post mortem. The

following recommendations from the post mortem have relevance to the operation of CCEAD during Exercise Tethys, and as such the activities of participants have been assessed against them. The recommendations used in this assessment are included below in italics.

*Workshop participants agreed that the aquatic CCEAD secretariat within the OCVO in the Department of Agriculture, Fisheries and Forestry should be the central point of contact for the response to national aquatic animal disease emergencies.*

The aquatic CCEAD secretariat within OCVO was used as the central point of contact during Exercise Tethys. Notification of the CCEAD meetings and CCEAD documentation were circulated by the Secretariat. As the central point of contact, the Secretariat should maintain and regularly update a contact list for all CCEAD member jurisdictions, including after hours contact details and alternate or back up members. Additionally, at the beginning of an incursion/response, the Secretariat should confirm these contact details with all CCEAD members.

During the simulation exercise it was noted that the use of e-mail for the distribution of e-mail was not always the most reliable method, so the Secretariat should ensure that alternative contact details (including fax numbers) are included on the contact list.

*The workshop participants agreed that non-government organisations (NGOs) be involved in CCEAD discussions but will not be part of the decision-making process.*

While industry was involved in CCEAD discussions during Exercise Tethys, no NGO's were involved. This may have been an artefact of the exercise, as industry involvement was organised prior to the conduct of the exercise. However, no jurisdiction expressed a desire to involve NGO's during any stage of the CCEAD discussions.

It may be possible to produce a list of appropriate stakeholder groups (including NGO's) that might need to be contacted during aquatic animal health emergencies. If this list was established during "peace time" it would serve two purposes: firstly establishing contacts within these stakeholder groups; and secondly, it would raise awareness within these stakeholders groups of the national aquatic animal health emergency response framework, which in turn could provide opportunities for stakeholder involvement in future responses or planning/training activities.

#### Further Comments on the CCEAD process

The draft minutes produced by the aquatic CCEAD Secretariat after each meeting were reviewed by the exercise facilitators. This review revealed that the minutes were not a comprehensive record of each meeting. In the minutes of the first CCEAD meeting, there is not a one-to-one concordance between the actions required as listed in the body of the minutes and the action items listed in the table at the end of the minutes.

In the minutes of the second meeting, there are seven resolutions recorded in a table at the end of the minutes but there is no supporting minutes recording the discussion around each of these resolutions in the body of the minutes. Further, the one

resolution recorded in the body of the minutes is not found in the table listing the resolutions of the meeting.

It is critical that the proceedings of such meetings are accurately and comprehensively recorded, as the minutes of the meeting are used to develop media releases and talking points, ministerial briefing documents, and emergency response plans. In addition to this, although confidential, the minutes are not immediately exempt from submission to senate inquiries and Freedom of Information requests.

Overall, the draft minutes of the two CCEAD meetings were found to be substandard in that they were demonstrably incomplete and did not contain any details of the discussion surrounding several important decisions made by CCEAD members. Minute taking procedures need to be urgently reviewed to identify the cause of such deficiencies. The Secretariat should/could explore the option of using the recording facilities available through the teleconference providers (GENISYS) in order to provide a more detailed report.

### Communication through the National Management Group

The National Emergency Animal Disease Management Group (NMG) is a group constituted under the Government and Livestock Industries Cost Sharing Deed in respect of Emergency Animal Disease Responses (EADRA). Whilst there is only one NMG, it may be differently constituted for different purposes: for the consideration of emergency animal disease response issues; or for the consideration of general issues.

Although aquaculture industries are neither covered by the EADRA or an agreement of their own, there was scope to hold a meeting of the NMG during Exercise Tethys to consider the policy and financial consequences of the disease scenario.

As part of the simulation Exercise, all NMG members received an information paper on the disease scenario from CCEAD prior to the commencement of the teleconference. In addition to this, members representing government agencies received jurisdictional-specific briefing from their agency prior to the commencement of the teleconference.

To assess the quality of the communication that occurred during the NMG meetings, the minutes of the meeting, facilitators observations and feedback provided during the debriefing process were compared with:

- NMG Terms of Reference under the EADRA; and
- AFFAMEPLAN Job Card #23 – National Management Group Secretary.

### Assessment against NMG Terms of Reference

NMG operates under the Terms of Reference detailed in Schedule 8 of the EADRA. These Terms of Reference include provisions on communication and consultation that should occur as part of the operation of NMG meetings. The activities of participating jurisdictions during the exercise have been assessed against provisions from the operating guidelines, which are included below in italics.

*CCEAD will communicate with the NMG via the Chair of CCEAD.*

The decision to hold an NMG meeting would usually be prompted by CCEAD members and/or industry representatives, however for the purposes of Exercise Tethys, a date and time was preset for a meeting of the NMG by teleconference. This may have limited the amount of initial communication that occurred between the CCEAD and NMG. However, a report from CCEAD to NMG was prepared prior to the NMG meeting, and this was circulated to NMG members prior to the meeting, and presented at the NMG meeting by the CCEAD chair.

NMG members also commented that they needed to be more fully informed technically by CCEAD, especially when dealing with a disease for the first time.

*In animal health emergencies where the EADRA is activated, DAFF provides secretariat services to NMG.*

During Exercise Tethys, the Management Services business group within AG-DAFF provided the Secretariat for NMG. As this was the first NMG meeting held that had members representing Fisheries agencies, the NMG Secretariat did not have quick access to member details (names, contact details etc). This was not a problem during the exercise, as the meeting was organised prior to the conduct of the exercise, however the NMG Secretariat should include details for representatives of fisheries agencies in their member list.

This Secretariat is located within the Ministerial Services Branch. An assessment of secretariat services is outline below.

#### Assessment against AFFAEMPLAN Jobcard

AFFAEMPLAN is a departmental emergency response plan that describes the proposed AG-DAFF approach to an emergency involving an animal, aquatic animal or plant disease or pest, animal welfare, introduced marine pest, food residue or other food safety or sabotage threat. It is focused on how the various areas of AG-DAFF coordinate to ensure an effective input to a national response. The activities of AG-DAFF during the exercise have been assessed against provisions from the job card, which are included below in italics.

*The NMG secretariat is responsible for arranging meetings of NMG, including teleconferences including development of agendas coordination of papers and follow up of action sheets.*

Although the time and date for the NMG meeting was predetermined, on the second active day of Exercise Tethys the NMG secretariat were responsible for preparing and distributing an agenda for the meeting as well as coordinating and distributing any agenda papers. A draft agenda and report from CCEAD were circulated 15 minutes prior to the commencement of the NMG teleconference. While this short notice may have been an exercise artefact owing to members being available at “any time”, care should be taken in the future to ensure that members are given adequate time to read agenda material and consult with their agency if required.

*The NMG action list must be circulated within 2 working hours of the meeting, with minutes to be circulated within 48 hours of the meeting.*

As Exercise Tethys terminated at the end of the NMG meeting, the NMG Secretariat were not required to follow up on actions arising from the meeting. Nor were they required to circulate action lists or minutes within a set time frame.

*After hours contact lists for NMG members are to be collected at initial meeting, and circulated to all members. A hard copy should be supplied to the records manager.*

The after hours contact details for NMG members were not collected during Exercise Tethys. However, in a real event these details would be very important and would need to be easily accessible.

## **Objective 2 - Enhancing informal communication networks between jurisdictions**

### Informal communications

Informal communications are those communications that occur during the response to a disease emergency that are necessary for the transfer of information but occur outside of the formal communication networks. As part of Exercise Tethys, participants were asked to copy all Email traffic to a central location and to record all telephone and FAX messages on daily log sheets. These log sheets were then forwarded to the exercise control team for analysis. A complete list including details of these informal communications is presented in the tables in Appendix 2. In addition, comments were sought from participants during the debriefing process on the types of communication used, the extent of communication and any problems encountered.

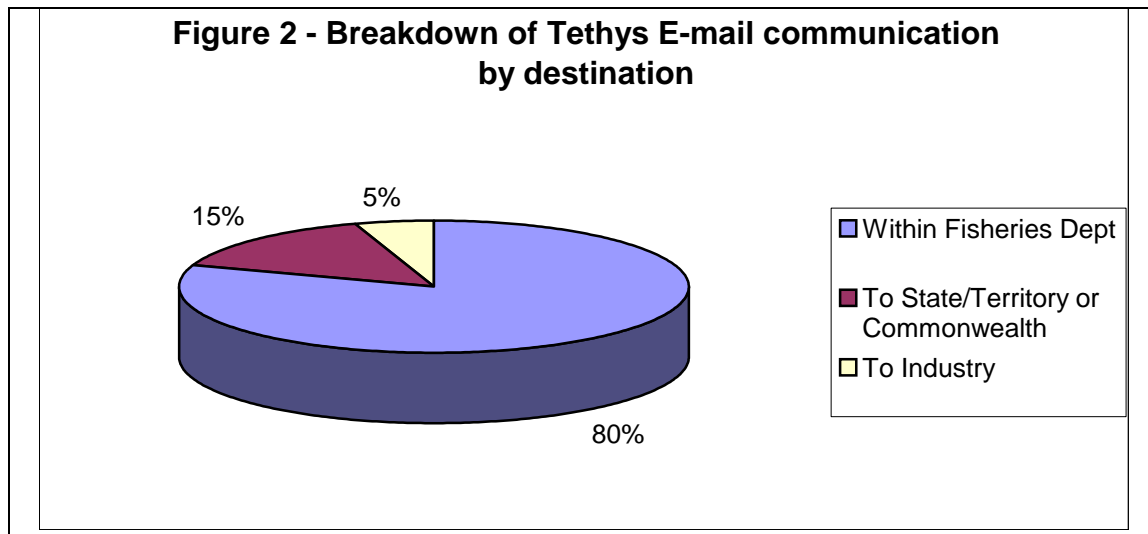
### Email

During the conduct of Exercise Tethys, 464 Emails were copied to the exercise control team. The sending and receiving jurisdiction for each Email is shown in Table 1.

**Table 1 – Summary of Email communications used during Exercise Tethys**

		RECIPIENT											
		ACT	CW	CSIRO	NSW	QLD	SA	TAS	VIC	WA	IND	OS	All
SENDER	ACT	8	0	0	2	0	0	0	0	0	0	0	1
	CW	0	138	3	10	4	0	0	0	0	4	1	10
	NSW	0	5	0	134	1	2	0	2	0	15	0	0
	QLD	0	9	0	4	53	1	0	0	0	2	0	0
	SA	0	2	0	1	1	18	0	0	0	0	0	1
	TAS	0	1	0	0	0	0	2	0	0	0	0	1
	VIC	0	1	0	2	0	0	0	9	0	0	0	5
	WA	0	2	0	0	0	0	0	0	7	2	0	0

369 (79.5%) of the Emails were internal communications within one jurisdiction, with 69 (14.9%) between jurisdictions and 23 (5.0%) between government and industry (see Figure 2).



The vast majority of Email communication was within individual jurisdictions. This represents the need for each jurisdiction to assemble its team and commence its response to the disease event. Internal usage of E-mail was much greater in NSW (134 internal messages) than in the other jurisdictions (range 2-54 internal messages) and probably reflects the decision by NSW to participate in the exercise with its team spread between several geographic locations rather than gathering the team together at a central location. This approach prevented the use of face-to-face meetings used by other jurisdictions to transfer information internally.

Of the 69 messages between jurisdictions, 18 (26%) were messages to all other jurisdictions and generally represented the provision of information associated with the formal communication networks, either the provision of contact details for the CCEAD and NMG meetings or the circulation of information requested at those meetings. Despite this inter-jurisdictional transfer of information, there was some evidence that some jurisdictions failed to pass the contact details of other jurisdictions to all members of their team.

Overall, Email proved to be a sub-optimal form of communication during an emergency response, as a number of problems were experienced with Email during the exercise. This included some exercise Emails arriving up to 24 hours after the completion of the exercise and some file formats (PDF) being more “user friendly” than others (Word documents).

The exercise also identified technical limitations of the Email system. For instance, many participants received large numbers of Emails, which filled their mailboxes very quickly. This meant that participants could not send or receive additional Email messages until they had cleared their mailboxes, which often took up to half an hour. This took participants away from their tasks, and delayed responses to important messages. Care should be taken in the future to ensure that important Emails are to be followed up with a phone call to ensure delivery/receipt of information.

In addition to this, many participants had the problem of Exercise (or emergency) Emails being mixed with the daily flow of general Emails. A possible solution to this problem is the development of dedicated Email addresses for emergency response information eg [cvo@xx.gov.au](mailto:cvo@xx.gov.au) or [sdchq@xx.gov.au](mailto:sdchq@xx.gov.au) .

During the exercise, the exercise control team attempted to distribute briefing documents via Email. During the exercise both the NSW Fisheries and Queensland Department of Primary Industries Email systems ‘*crashed*’ as a result of the size of these briefing packages. A much better alternative was the posting of material on a secure website. Individual jurisdictions could then download the material when convenient without delay and without other problems encountered with Email.

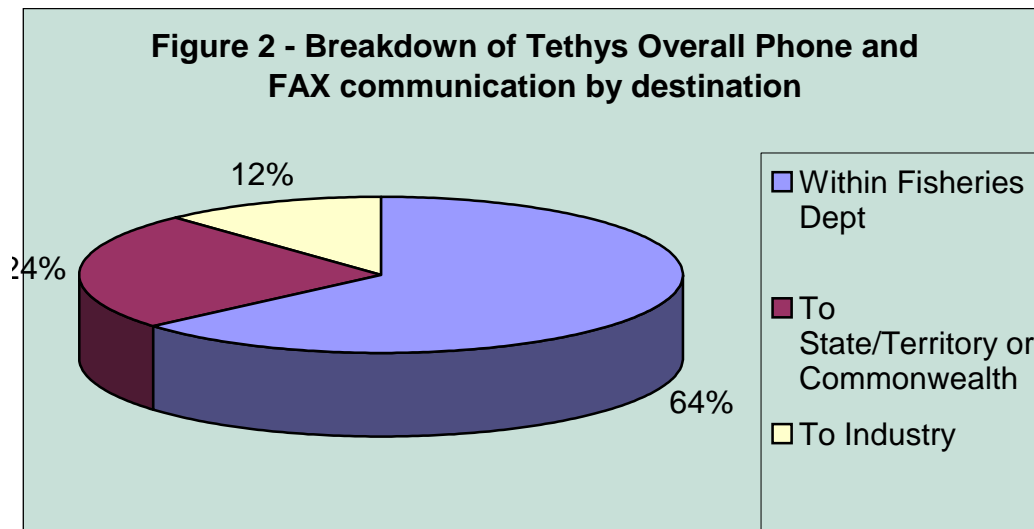
Telephone and FAX

The participants’ telephone log sheets recorded the initiator, receiver and content of 297 telephone calls and FAX messages. The details of these calls and FAXes are listed in Appendix 2 and are summarised in Table 2. Of the 297 telephone calls, 186 (63.7%) were within a single jurisdiction, 35(12%) were to industry and 71 (24.3%) were to other jurisdictions (see Figure 3).

**Table 2 – Summary of phone and FAX communications used during Exercise Tethys**

		RECIPIENT									
		ACT	CW	CSIRO	NSW	QLD	SA	TAS	VIC	WA	IND
S E N D E R	ACT	14	1	0	3	0	0	0	0	0	0
	CSIRO	0	3	8	1	0	0	0	0	0	0
	CW	1	10	1	5	2	0	0	0	3	19
	NSW	1	2	2	59	0	3	1	3	1	4
	QLD	0	1	0	4	1	0	0	0	0	1
	SA	0	4	1	3	1	42	0	0	0	0
	TAS	0	9	0	1	1	1	23	1	0	3
	VIC	0	6	0	3	0	0	0	29	0	3
	WA	0	1	0	1	0	0	0	0	0	2





Analysis of all logged communications identified a clear preference for using the telephone to communicate with industry and a slight preference for the use of telephone rather than Email when communicating between jurisdictions. The advantages of the phone were:

- Instantaneous transfer on information;
- Surety that the information was received;
- Portability of mobile phones compared to Email services; and
- More universal availability of phones

In contrast, the phone cannot be used for transferring written or printed information and does not produce a ready record of the call or its content. The completeness and legibility of phone logs varied greatly between jurisdictions and also between individuals in jurisdictions. Officers involved in emergency responses should be made aware that in the case of a legal challenge to the jurisdiction, these phone logs may be required for evidence in court and as such should be both readily legible and complete in all details.

#### Further comments on informal communication

During the exercise debriefing process, certain themes concerning problems with communication became evident. Several jurisdictions found that contact numbers for other jurisdictions were outdated or incorrect. It was suggested that contact details should be updated as a priority at the commencement of an emergency disease incident. The proposed secure website was seen to be a good method for providing such contact details and authorised officers from each jurisdiction should be able to access the website to update their contact details. Communications were observed to be better on the second day of the exercise when these teething problems had been corrected.

Overall, there could have been more informal communication between jurisdictions to provide a better flow of information. The need for officers within some jurisdictions to obtain approval from the chain of command prior to making inter-jurisdictional communications was seen as a barrier to inter-jurisdictional communication.

### **Objective 3 - Evaluating the effectiveness of arrangements in Control Centre manuals**

The AQUAVETPLAN Control Centres Management Manual outlines the organisational response during the investigational, alert, operational and stand-down phases of an emergency aquatic animal disease incident, addressing legislative, management and resource issues. The manual lists the immediate duties of field officers, senior managers, the chief veterinary officer and other staff in each phase. Exercise Tethys did not identify any deficiencies in the lists of recommended communications required for the components of the emergency response examined by this particular exercise.

Two sections cover the establishment and operations of the State/Territory disease control headquarters and of local disease control centres, with special reference to their roles, siting, equipment, staffing, layout and specialist elements.

A section is devoted to information management during and after an emergency, and the appendixes provide checklists, sample forms, draft meeting agendas and notes on movement permits and cost-recovery arrangements. The range of pro-formas provided was however, not comprehensive and exercise participants identified several other documents that would be of value. These included:

- A proforma for situation reports
- A checklist of requirements for meeting rooms, SDCHQ facilities etc

At least two states found that the amount of paperwork generated by the emergency disease incident overwhelmed the staff involved and they identified the need for an additional staff member to deal with this paperwork. This person would take the role at State level that is occupied at the Commonwealth level by the Records Manager. The Commonwealth could provide the AFFAEMPLAN Job Card for the Records Manager to interested States to assist in revision of their emergency plans.

### **Objective 4 - Improving cooperation between jurisdictions during an emergency response**

The cooperation between jurisdictions during Exercise Tethys was evaluated by assessing performance against joint actions arising from the CCEAD meetings. The following actions arose from the first CCEAD meeting and required the cooperation of several (if not all) jurisdictions:

- Firm up communication between laboratories in NSW and AAHL (AAHL and NSW Fisheries)
- Prepare and circulate fact sheet and talking points on VHS (AG-DAFF and AAHL).
- Circulate other material to CCEAD as the situation develops (All jurisdictions)

The Exercise Controllers observed substantial Email traffic between jurisdictions concerning the cooperative development of media releases. There appeared to be a deal of confusion as to the person responsible for coordinating the media release and additional difficulties surrounding the provision of relevant information and completion of the report. Media officers in the State and Territory Departments of Fisheries should be included in the National Communicators Network, and consideration should be given to the development of a national aquatic animal health emergency media strategy or the inclusion of media guidelines in AQUAVETPLAN.

The fact sheet on VHS was prepared and circulated in a timely manner. The provision of material to other jurisdictions varied with the source state. Victoria distributed situation reports in a timely manner, however New South Wales was adversely affected by the withdrawal of several staff from the exercise team due to a real emergency and their ability to produce a situation report in a timely fashion was subsequently compromised.

The following actions arose from the second CCEAD meeting and required the cooperation of several (if not all) jurisdictions:

- CCEAD TWG to work with industry and expertise from institutions to develop a surveillance program (AG-DAFF and Industry)
- Situation reports and talking points to be updated (All jurisdictions)
- Commonwealth to maintain current media strategy, limiting spokespersons by jurisdictions (All jurisdictions)

In general, the exercise did not allow sufficient time to assess whether these tasks were completed effectively and in an appropriate time frame.

The following action arose from the NMG meeting and would have required the cooperation of jurisdictions:

- CCEAD to provide a report to NMG within 24 hours outlining a consolidated response plan and addressing the issues raised in NMG discussions, in particular risk assessment for trade/international implications, communications coordination, extent of industry impact and environmental issues.

While this action was not followed up due to the termination of exercise activities, it is clear that the cooperation of/between jurisdictions is not only supported by the senior executive management of Departments, but is also expected.

NMG members also commented that national engagement required a more sophisticated approach with more information on issues such as trade and communications provided “up front” for NMG to consider.

#### **Objective 5 - Evaluating the awareness of emergency disease management mechanisms**

The relative lack of emergency disease incidents in Australian aquaculture has meant that both industry and State/Territory governments have assigned disease management a relatively low priority. This decision is reflected in the relatively limited resource base available to aquatic animal health in most Departments of Fisheries and/or Departments of Primary Industries. The advent of AQUAPLAN has resulted in an increased awareness of health management within aquaculture and all six State departments have availed themselves of the opportunity to participate in simulation exercises (see Background section of this report).

As a result of experience gained from a constant trickle of minor disease events, this training program and other initiatives made possible by the Australian Government's budget initiative "*Building a National Approach to Animal and Plant Health*", awareness of emergency disease management mechanisms has increased substantially. Each government jurisdiction has either completed a State level Control Centres Management Manual or is in the process of writing one.

Comments provided during the debriefing process revealed that whilst each State/Territory has a core of trained and competent personnel, further training is required especially to include a wider range of officers in each department. Two specific groups within these departments were identified as likely to benefit from training. These were:

- a) Senior executive staff who would benefit from an increase in awareness of the roles and responsibilities associated with emergency disease management; and
- b) Field staff likely to be involved in the response to an emergency disease incident.

## **Industry Response**

Industry were involved at both the State/Territory and National levels, and participated in Exercise Tethys as industry liaison to SDCHQ's, in CCEAD meetings and the NMG meeting.

Industry commented that the exercise was realistic, thought provoking in many quarters, and overall very worthwhile, and made the following comments:

During the teleconferences, some of the speakers were very difficult hear and understand because they were on mobile telephone. This is sometimes impossible to avoid (especially for the first contact in an emergency), but participants should be encouraged to access the nearest landline for national teleconferences.

With respect to confidentiality during the period that a disease event is unfolding, it is important for the "controller" to keep the "management group" updated as to what information has been disseminated when and to whom. This is particularly important for industry representatives who must juggle the need to keep constituents adequately informed with the need to prevent panic reactions by operators who may be exposed to additional risk.

Although the scope of the exercise was to highlight issues regarding communication, consultation and cooperation between jurisdictions, Exercise Tethys also highlighted other issues that would be important in an emergency aquatic animal disease response.

The exercise scenario invoked a temporary ban on exports of Silver Perch from mainland states as well as on Salmon originating from Tasmania (VHSV is recognized as a significant disease in salmonids). As part of the exercise, Tasmania advised that there was a consignment of 15 tonnes of fresh salmon destined for Japan currently awaiting uplift at Sydney airport; this single consignment worth \$150,000. The Tasmanian Salmonid Growers commented that this highlighted their often repeated claim that in matters of aquatic animal health, OIE rules notwithstanding, Tasmania should be to be viewed as an atypical case because of:

- Its quarantined status due to physical isolation and enlightened regulations;
- Its long history of active monitoring and surveillance for aquatic animal diseases (auditable basis for the claim to being free of nominated diseases); and
- Its concentration of salmonid farming (important to both national and local economies).

During the final teleconference of the exercise a representative of the NSW Silver perch Association raised the concept of compensation for the stock subject to compulsory slaughter order. This dialogue again highlighted the importance and the need to address an Emergency Disease Response Agreement for aquaculture: an exercise that is already being undertaken as an FRDC project.

While it is not the role of this report to make recommendations on the above industry comments, these issues should be jointly considered by industry and government as

they or similar issues are likely to arise during any emergency aquatic animal disease response.

## **Evaluation of Exercise Structure**

Exercise facilitators and participants were asked to evaluate and provide feedback on the structure of Exercise Tethys.

The exercise facilitators commented that the facilitator training and briefing course held in late October 2003, prior to the conduct of the exercise, greatly assisted them in performing their role during the exercise. The course not only brought people up to speed with the scenario and exercise method, but also allowed for interaction between facilitators prior to the event. The facilitators also commented that having access to the secure website was valuable.

NSW commented that the passive lead-in phase was worthwhile, and provided a good introduction to the exercise in a manner that was a realistic representation of event and information flow during a real event. However, they did comment that perhaps the senior participants did not take as much advantage of this as other participants did, due to other work commitments.

As previously mentioned, the two active days of Exercise Tethys corresponded to two different periods of an emergency response in order to address the issue of communication at several levels. Some facilitators reported that the overnight jump from the first time period to the second (four days later) caused some confusion amongst participants, despite the distribution of information packages aimed at minimising this.

Some participants commented that it would have been good to have day two of the exercise cover day 7 or 9 in the emergency response. This would have enabled players to have further laboratory results and confirmation from AAHL.

During the debriefs, some participants commented that there was too much information and too much expectation crammed into the two day exercise, and perhaps it would have been better to hold the exercise over three days. While the exercise was initially planned for three days, early discussions with the working group concluded that as many aquatic animal health sections had low staff numbers, it would be unlikely that States/Territories would support the conduct of an exercise that lasted longer than two days.

Despite rigorous proof reading prior to the commencement of the exercise and the distribution of information packages, there were a small number of inconsistencies between the information packages and information given verbally by members of the directing staff. However, once recognised these inconsistencies were quickly addressed, and participants commented that they appreciated the speed and ease with which this was done. The correction of the inconsistencies did alter the intended scenario and as a result, the level of difficulty in responding to the scenario may have been less than originally intended.

Exercise participants said that they enjoyed the immediate response by telephone, e-mail and fax from the control team in Canberra. This process added an element of realism in terms of having to actually contact a third party on behalf of their

jurisdiction and communicate their needs or concerns in an effective and appropriate manner.

It was suggested that in the lead up to future exercises, more training should be held in participating jurisdictions. While there was a reasonable awareness of the emergency management arrangements, more training and education is required at all levels, including the senior executive level.

In future exercises, observers should be encouraged, especially from other jurisdictions. This would allow jurisdictions to learn from each other in terms of emergency arrangements and facilities. Facilitators also suggested that having “backup officers” for positions during an exercise would benefit jurisdictions in two ways: firstly, it would result in more than one trained officer per position, and secondly it would allow officers to be taken out of the simulation activities should it be necessary, without hampering the involvement of the jurisdiction.

Industry involvement in Exercise Tethys was seen as both valuable and essential. It was suggested that future exercises, both state and national focused, should seek to involve relevant industries at the state level.

Exercise Tethys focused on communication at and between the SDCHQ and NDCHQ levels, and participants and facilitators found it a valuable exercise. Some commented that in future exercises they would like to see the activation and training of officers at the LDCC level. This can be, and is being, addressed through the current program of simulation exercises being conducted under the auspices of the Federal Budget Initiative entitled *Building a National Approach to Animal and Plant Health*, which is designed to provide individual jurisdictions with training in the management of an aquatic animal disease emergency.

Some facilitators commented that while their senior management showed support for both their personal involvement and their jurisdictions involvement in Exercise Tethys, it may have been more valuable to further involve officers at this level in the actual exercise. Facilitators commented that the briefings regarding Exercise Tethys that were submitted to senior management prior to the exercise may not have satisfactorily addressed the issues some managers felt they needed to be aware of, particularly to attend the mock NMG meeting on the second day. Requests to rectify this situation required some input of time that was diverted away from the exercise

Facilitators said that the briefing and debriefing sessions were essential in helping to keep the exercise on track and in reviewing the day’s activities. The debriefing sessions were also vital to exercise evaluation, and a number of the comments and recommendations featured in this report came out of these sessions.

The daily debrief sheets were found to be a valuable tool. In some cases, these were distributed to exercise participants at the commencement of the day’s activities so that thoughts could be recorded during the day.



## **Recommendations**

The following recommendations are based upon the assessment above and aim to improve the efficiency and effectiveness the response to an emergency aquatic animal disease event.

### *Committee Operations*

1. The aquatic CCEAD Secretariat should
  - a. Establish a faxstream service to enable the rapid distribution of documents to all CCEAD participants.
  - b. Investigate the development of a secure password accessible website to maintain a contact list of CCEAD participants. The website could also be used for the distribution of other information including document templates.
  - c. Ensure that all jurisdictions are given the opportunity to participate in all future CCEAD meetings.
  - d. Notify members of CCEAD meetings by telephone – not email.
  - e. Be staffed by more than one officer during an emergency response to allow more efficient task allocation and a more timely flow of information.
  - f. Urgently review minute taking procedures, with the aim of producing minutes that accurately record the discussions and decisions of the meeting.
  - g. Establish performance standards for the completion of CCEAD associated activities (distribution of minutes etc)
2. Timing for CCEAD meetings should be such that jurisdictions have time to prepare written reports for distribution and consideration prior to the CCEAD meeting. These reports should be short and to the point.
  - a. A standard template for situation reports should be developed and made available to CCEAD members for use as a guide to the preparation of these reports.
3. The NMG Secretariat should
  - a. Include details for representatives of fisheries agencies in their member list, including after hours contacts.
  - b. To the best of their ability, ensure that NMG members are given adequate time to read agenda material and consult with their agency
4. Both NMG and CCEAD teleconference participants should be encouraged to access the nearest landline for national teleconferences, and use mobile telephones as a last resort.

### *Communications*

5. At the commencement of an emergency response, all jurisdictions should:
  - a. Circulate a contact list to other involved jurisdictions. When received, these lists should be circulated within jurisdictions.
  - b. Establish a standard telephone log system, which should be transferred to an electronic format/file at the end of each day.

6. When sending information by Email during a response, all important messages should be followed up by a telephone call to ensure receipt of the message.
7. Jurisdictions should investigate the usefulness of dedicated email addresses for emergency response communications.
8. NMG members need to be comprehensively informed on technical issues by CCEAD, especially when dealing with a disease for the first time.
9. Consideration should be given to:
  - a. the development of a national aquatic animal health emergency media strategy or the inclusion of media guidelines in AQUAVETPLAN.
  - b. The inclusion of media officers from the State and Territory Departments of Fisheries in the National Communicators Network
  - c. The inclusion of aquaculture industry association PR people in the National Communicators Network
10. Consideration should be given to the identification and involvement of appropriate NGOs in the aquatic CCEAD process.

#### *Emergency Planning*

11. Situation reports and other standard documents (where not prescribed by legislation) should be as similar as possible in each jurisdiction.
12. The AQUAVETPLAN Control Centres Manual should be revised to include additional proformas and checklists including a pro-forma for situation reports and a checklist of requirements for meeting rooms and State Disease Control Headquarters
13. States/Territories should adjust State Emergency Plans to allow for the inclusion of a records manager in the SDCHQ staffing.

#### *Emergency Training and Exercising*

14. Future training exercises should educate participants about the legal ramifications associated with records management during an emergency response.
15. Training of a broad range of staff in the content and application of the AQUAVETPLAN Control Centres Management Manual should be undertaken.
16. In the lead up to future exercises, more training should be held in participating jurisdictions.
17. In future exercises:
  - a. Observers should be encouraged, especially from other jurisdictions.
  - b. Organisers should seek to involve relevant industries at the state level

## **Conclusions**

Communication, consultation and cooperation between jurisdictions are vital elements of an emergency aquatic animal disease response.

Many of the recommendations in this report seek to build on and improve pre-existing frameworks and resources in order to develop more robust communication systems and procedures for an emergency response.

The participation of jurisdictions in both the CCEAD and NMG processes during Exercise Tethys was good, and the recommended improvements to secretariat and documentation procedures will only serve to increase the effectiveness of this participation and the efficacy of the two committees.

Overall there was found to be a general knowledge and understanding of current emergency response procedures and frameworks amongst jurisdictions, but more training of a broader range of officers is required.

## **Acknowledgments**

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The design of the exercise was greatly aided by the participation of various departmental representatives on the Exercise Tethys Working Group. Members of the working group included: Rod Andrewartha, Peter Appleford/Anthony Forster, Mark Crane, Marty Deveney, Tiina Hawkesford, Les Johns, Brian Jones, Cassandra Nelson, Sarah Omundsen, Colin Shelley, and David Shorthouse. During the conduct of the exercise, the working group also acted as exercise facilitators within their own jurisdiction. Additional or alternate facilitators included: Craig Astbury, Graeme Bowley, Tony Callan, Anthony Chariton, Howard Conkey, Mehdi Doroudi and Peter Koob.

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## **Appendix 1 – Jurisdiction Specific Recommendations**

The following recommendations are taken from the reports of the jurisdictional debriefs, held in late November 2003. In some jurisdictions, actions are already being taken to address these recommendations.

### ACT

- The Exercise highlighted a possible area of inter-jurisdictional responsibility (ACT/NSW) that may need reviewing.

### NSW

- A communications/incident control room with visual aids is necessary for such operations.
- A “grab and run/ready to go” manifest of potential control rooms within NSW Fisheries establishments to decrease the set up time for an operations room.
- SDCHQ should have an updated website/email established if a disease outbreak occurs. This could include a dedicated email address/es for the emergency situation to ensure other emails do not clog up the system.
- Appoint a dedicated administration person to control flow of communications to the relevant person within the SDCHQ.
- Need to establish a clear communications system with industry to keep them regularly inform of any information regarding the situation and the outcomes. This could be through the use of the above website, contacting key stakeholders and involving industry in training exercises.
- More senior management commitment when undertaking exercises including relief of normal workload when participating in exercises.
- More training on a regular basis (including all senior managers) such as regular involvement with Dept. of Agriculture training maybe 6-12 monthly. This would provide clear concise information regarding emergency management systems and their management.
- Need to be part of NSW DISPLAN.
- Need to complete the NSW Fisheries Control Centre Manual.
- A need to develop proformas (situation reports, lab reports, options of analysis, response plans, communication plans, etc) to assist in management of the situation.
- Cost centre allocated for emergency situations.
- The need for disease/disaster situations in aquaculture to recognised both on a state and national level.

### QUEENSLAND

- Fisheries legislation- Deficiencies in some aspects of ability to respond rapidly, so need to review legislation.
- Liaising with industry - How to contact growers without creating alarm? One possible solution is to produce an information package including a questionnaire for officers to use when contacting growers.
- Standard Operating Procedures - There are no SOPs specific for fisheries
- Control Centre Manual - Some officers had questions about procedures within the manual. These questions need to be addressed, with the possible revision of the CCM.

- Authorities - Need to establish who is authorised to act i.e. speak to the media in an incident
- Need a National technical working group
- Need more training for fisheries events. Possibly hold another exercise in the new year.
- Need a better record keeping system. One possible solution is for each position to have a notebook that is kept up-to-date and stays in the ops room at change of shift

### SOUTH AUSTRALIA

- Administrative support was lacking. Staff felt that their ability to organise the large amount of information and material that was generated in a short space of time was limited.
- An aquatic animal chapter in the Counter Disaster Plan File is required, to specify roles, divide tasks and to more accurately address, in a pre-planned form, the requirements of an emergency situation. This chapter should:
  - Define structures and roles more clearly.
  - Formalise the upward communication processes.
  - Make the required tasks sufficiently simple and described that non-technical staff can effectively participate if required (e.g. due to core staff absence, illness etc).
  - Provide for improved control centre logistics and operational efficiency; including clarification of roles.
- Equipment lists and further awareness training should be provided to Fisheries Officers.
- Legislation should be aligned with requirements of the response (particularly, the lists of notifiable diseases are currently divided between the *Livestock Act* and the *Fisheries Regulations* and this limits the type of response that can be mounted for some diseases).
- In some cases, e-mail communication was problematic. In a real scenario, the Government Radio Network (GRN), telephones and facsimilies are preferred means of communicating. Additional communications training should be provided to staff who may be part of a SDCHQ.
- At the national level, training for participants to optimise the CCEAD process, the synchronisation of timing and consideration for time zones in planning teleconferences, and compensation are important issues and should be given consideration.

### VICTORIA

- To develop a national disease strategy plan for exotic diseases of aquatic animals.
- To conduct more training for participation at CCEAD meetings.
- To develop protocols with neighbouring jurisdictions to ensure compatible legislation and operating procedures.
- To train more staff for LDCC and SDCHQ.
- To develop a web-site for operational information.
- To improve the communications links with other jurisdictions to improve the speed and reliability of communications.
- To develop protocols to assist the early engagement of the media and to provide credible, accurate, timely and consistent information.

- To update the industry contact lists regularly.
- To discuss the cost sharing agreement, and the difficulty of developing a nationally coordinated EAD Response Plan in its absence.

#### TASMANIA

- Paper flow and filing systems within the Tasmania SDCHQ need improving. This could be achieved by getting dedicated admin involved early – via the Admin officer’s checklist.
  - Practical solution. As soon as alerted of an event a document log is started using either set forms or an exercise book. All documents to be logged in. All officers involved to carry a book to use as a personal log. This will set the system up and can be expanded as necessary
- There was some confusion over which plan we were working with – AUSVETPLAN or AQUAVETPLAN. Most staff did not refer to the operational section of either plan during the exercise but relied on prior training and knowledge. Plans were used for technical information. This could be turned to advantage by having the Tasmanian Operational Manual (TOM) combine fish and terrestrial animals as much as possible into the same system and same document.
- Staff noted that they did not refer to job cards but would have found a set of check lists useful. Need to develop check lists for each role. At start of an event when people are doing multiple roles there will be a need for clear briefing as to who is doing what role so that all appropriate check lists are checked.
- While allocation of tasks at briefings were recorded on a whiteboard there was the opportunity for this to become unmanageable. Also between briefings there was no check especially if someone allocated a task was out for any reason.
  - After each briefing need to have an Incident Action Plan (Action List) that can be monitored by admin staff. This will allow check of on completion and follow up action if not completed by target time.
- The Marine Farming Branch does not have any copies of AQUAVETPLAN and there are limited copies available throughout the Animal Health Section and only one person trained in emergency response. They have significant capacity in mapping of marine sites that could be of use. Training is needed to ensure better integration of marine farming in our response team. We need to include more Marine Farming and Inland Fisheries staff in aquatic response to make use of their expertise and industry knowledge. This can be managed with modification to the control centre staff charts for aquatic responses.
- Aquatic and Terrestrial plans are to be combined as much as possible. There are some essential differences that need to remain. TOM to be produced as 2 parts, part A terrestrial and part B Aquatic.

#### AUSTRALIAN GOVERNMENT

- Environment departments need to have a role in emergency responses and not just at the national level States and Territories need to consult widely with their environmental sections and agencies in relation to the environmental issues associated with emergency aquatic animal disease responses.
- AFFAEMPLAN needs to be re-visited, with revision to include the clarification of job cards.
- The Task force chair and Chief Veterinary Officer should have executive assistants. There is a need to have a third person and not just 2 EA’s to be able to

cover written reports/checking of e-mails and general helping out when time frames are very tight



**Appendix 2 – Listing of All Logged Communications during Exercise Tethys**

**TABLE 1 - LISTING OF ALL EMAIL TRAFFIC DURING EXERCISE TETHYS****AUSTRALIAN CAPITAL TERRITORY**

<b>DATE</b>	<b>TIME</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>TYPE</b>
17-Nov	15.21	David Miles	ACT heirachy	Media Release	ACT-ACT
17-Nov	15.37	Will Andrew	All States	ACT contact details	ACT-All
17-Nov	15.55	David Miles	ACT heirachy	Clarification - disease suspected only	ACT-ACT
17-Nov	16.08	David Shorthouse	Ian Lyall	Wrong address	ACT-NSW
17-Nov	16.52	Mark Lintermans	Will Andrew	Preliminary Surveillance Plan	ACT-ACT
17-Nov	16.53	Rod West	ACT heirachy	Briefing on incident	ACT-ACT
17-Nov	18.21	David Miles	Environment Minister	Draft press Release	ACT-ACT
18-Nov	9.26	Rod West	Executive Director - Environment ACT	Briefing on incident	ACT-ACT
18-Nov	11.49	Rod West	ACT Minister	Situation Report	ACT-ACT
18-Nov	15.04	David Shorthouse	Nick Rayns	Closure of Googong Foreshores	ACT-NSW
18-Nov	16.51	Rod West	Environment Minister	Sit rep and media release	ACT-ACT

**AUSTRALIAN GOVERNMENT**

<b>DATE</b>	<b>TIME</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>TYPE</b>
17-Nov	10.00	Alistair Herfort	Bob Biddle	Fw: preliminary diagnosis and next actions	CW-CW
17-Nov	10.24	Eva-Maria Bernoth	AFFAEMPLAN Taskforce	AFFAEMPLAN to meet today	CW-CW
17-Nov	10.26	Alicia Barden	Lyndel Post	Confirm attendance at TF mtg	CW-CW
17-Nov	10.26	Julie Goodchap	Lyndel Post	Confirm attendance at TF mtg	CW-CW
17-Nov	10.28	Bob Biddle	All product integrity (cc GM, MT, PL)	Notification of a disease emergency	CW-CW
17-Nov	10.28	Ian Peebles	Bob Heard	proposed FAQs sheet	CW-CW
17-Nov	10.30	George Hughes	Lyndel Post	Confirm attendance at TF mtg	CW-CW
17-Nov	10.30	Eva-Maria Bernoth	AFFAEMPLAN Taskforce	fwd: notification of a disease emergency	CW-CW
17-Nov	10.33	Eva-Maria Bernoth	Annette Healy, Ian Peebles	pls prepare fact sheet and Q&A for VHS	CW-CW

<b>DATE</b>	<b>TIME</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>CW-CW TYPE</b>
17-Nov	10.38	Belinda Hughes	Lyndel Post	Confirm attendance at TF mtg	CW-CW
17-Nov	10.38	Bob Heard	Lyndel Post	Confirm attendance at TF mtg	CW-CW
17-Nov	10.39	Phil Lansdown	Lyndel Post	Confirm attendance at TF mtg	CW-CW
17-Nov	10.41	Bob Biddle	Eva-maria Bernoth	Media (from NSW)	CW-CW
17-Nov	10.43	Eva-Maria Bernoth	Annette Healy, Ian Peebles	suggest AH contact NSW media	CW-CW
17-Nov	10.46	Alistair Herfort	CCEAD Members	notification of CCEAD meeting	CW- All States
17-Nov	10.46	Kelly Psaros	AFFAEMPLAN Taskforce	advice re records management	CW-CW
17-Nov	10.52	Eva-Maria Bernoth	Lyndel Post, Bob biddle, Herfort	who will attend what meeting	CW-CW
17-Nov	11.00	Alistair Herfort	Eva-maria Bernoth	location of CCEAD hook up	CW-CW
17-Nov	11.03	Kristy Nelson	Ministers office, Taskforce, BB, AH)	Ministerial contact officer - schedule briefs	CW-CW
17-Nov	11.10	Annette Healy	Bob Biddle, Nick Rayns	Happy to liaise with NSW re PR	CW-NSW
17-Nov	11.21	Ian Peebles	Annette Healy	FAQS - draft	CW-CW
17-Nov	11.24	Annette Healy	Ian Peebles	FAQS - draft, will edit and send back	CW-CW
17-Nov	11.33	Alicia Barden	Eva-maria Bernoth, Bob Heard	Draft cable for international posts	CW-CW
17-Nov	11.33	Kristy Nelson	AFFAEMPLAN Taskforce	Correct contact number for Peter Millington	CW-CW
17-Nov	11.36	Ian Peebles	Julie Goodchap	seeking advise re international implications	CW-CW
17-Nov	11.54	Lyndel Post	AFFAEMPLAN Taskforce	draft agenda for TF meeting	CW-CW
17-Nov	12.01	Lyndel Post	Alistair Herfort, Eva-maria Bernoth	contact list for TF	CW-CW
17-Nov	13.07	Alistair Herfort	CCEAD Members	CCEAD Action List	CW- All States
17-Nov	13.16	John Talbot	Tethys Control	seeking contact details for Ian Charles	CW-Fac
17-Nov	13.20	Annette Healy	Nick Rayns (cc Bruce jackson)	NSW media brief - copy please	CW-NSW
17-Nov	13.38	Ian Peebles	Kelly Psarros	no access to R drive	CW-CW
17-Nov	13.39	Eva-Maria Bernoth	AFFAEMPLAN Taskforce	consideration of residue issues at next TF tg	CW-CW
17-Nov	13.39	Julie Goodchap	Ian Peebles	international implications - response	CW-CW
17-Nov	13.43	Eva-Maria Bernoth	Alicia Barden	re draft cable for international posts	CW-CW
17-Nov	13.46	Alicia Barden	Eva-maria Bernoth	re draft cable for international posts	CW-CW
17-Nov	13.53	Julie Goodchap	Alistair Herfort	exported silver perch since 1/1/03	CW-CW
17-Nov	13.55	Eva-Maria Bernoth	Alicia Barden	fwd: international implications for cable	CW-CW
17-Nov	14.03	Alicia Barden	Eva-maria Bernoth	re: international implications for cable	CW-CW
17-Nov	14.07	Ian Peebles	Julie Goodchap	international implications - salmon	CW-CW

<b>DATE</b>	<b>TIME</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>CW-CW TYPE</b>
17-Nov	14.10	Bob Heard	Julie Goodchap	confirm if export is "whole form"	CW-CW
17-Nov	14.10	Julie Goodchap	Bob Heard	export has not been eviscerated	CW-CW
17-Nov	14.19	Jill Mortier	Nick Rayns	offer of help with reporting requirements	CW-NSW
17-Nov	14.22	Jill Mortier	AFFAEMPLAN Taskforce	Nick Rayns correct contact details	CW-CW
17-Nov	14.22	Julie Goodchap	Alistair Herfort	further info on exports (from NSW and WA)	CW-CW
17-Nov	14.23	Julie Goodchap	Jill Mortier	contact details for Nick Rayns	CW-CW
17-Nov	14.27	Jill Mortier	Julie Goodchap	contact details for Nick Rayns	CW-CW
17-Nov	14.28	Julie Goodchap	Jill Mortier	contact details for Nick Rayns	CW-CW
17-Nov	14.30	Jill Mortier	Julie Goodchap	contact details for Nick Rayns	CW-CW
17-Nov	14.33	Eva-Maria Bernoth	Alistair Herfort	contact details for Victorian SDCHQ	CW-CW
17-Nov	14.35	Lyndel Post	AFFAEMPLAN Taskforce	TF action list and contact list	CW-CW
17-Nov	14.38	Julie Goodchap	Live animal exports (TC)	seeking info on export of SP for human consumption	CW-CW
17-Nov	14.41	Lyndel Post	AFFAEMPLAN Taskforce	updated contact list on R Drive	CW-CW
17-Nov	14.44	Julie Goodchap	Lyndel Post	after hours contact details	CW-CW
17-Nov	14.44	Annette Healy	Bob Biddle, Eva-maria Bernoth,	Draft comm strategy, talking points and FAQs	CW-CW
17-Nov	14.44	Jill Mortier	Lyndel Post	Corrections to TF minutes	CW-CW
17-Nov	14.44	Bob Biddle	Eva-maria Bernoth	developments in SA	CW-CW
17-Nov	14.48	Eva-Maria Bernoth	Lyndel Post	addition to TF agenda for next meeting	CW-CW
17-Nov	14.49	Julie Goodchap	Live animal exports (TC)	unable to print permit, how do you stop export	CW-CW
17-Nov	14.52	Eva-Maria Bernoth	AFFAEMPLAN Taskforce	fwd: developments in SA	CW-CW
17-Nov	14.55	Bob Heard	Eva-maria Bernoth	should we contact Israel re export?	CW-CW
17-Nov	14.56	John Talbot	AFFAEMPLAN Taskforce	Industry association contact details	CW-CW
17-Nov	14.58	John Talbot	AFFAEMPLAN Taskforce	Figures on silver perch industry	CW-CW
17-Nov	15.02	Eva-Maria Bernoth	Bob Biddle	seeking advice on notifying Israel	CW-CW
17-Nov	15.03	Alistair Herfort	John Talbot	please provide fax and e-mail for industry	CW-CW
17-Nov	15.07	John Talbot	AFFAEMPLAN Taskforce	advice re NSW contact with industry	CW-CW
17-Nov	15.16	Julie Goodchap	Live animal exports (TC)	thanks	CW-CW
17-Nov	15.21	Alicia Barden	Eva-maria Bernoth	prepare note to Israel	CW-CW
17-Nov	15.21	John Talbot	Alistair Herfort	will supply fax/emails	CW-CW
17-Nov	15.27	Eva-Maria Bernoth	AFFAEMPLAN Taskforce	short TF mtg at 15:45	CW-CW

<b>DATE</b>	<b>TIME</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>CW-CW TYPE</b>
17-Nov	15.28	Alicia Barden	Sue Begley DFAT (TC)	pls provide data re export of perch, salmonidae	CW-CW
17-Nov	15.32	Annette Healy	State PR People	Draft comm strategy, talking points and FAQs	CW-all States
17-Nov	15.34	Ian Peebles	Ken McColl	VHS fact sheet for your input	CW-CSIRO
17-Nov	15.35	Bob Biddle	Eva-maria Bernoth	agree advise Israel	CW-CW
17-Nov	15.39	Alicia Barden	Sue Begley DFAT (TC)	Thanks	CW-CW
17-Nov	16.03	Phil Lansdown	John Talbot	association contacts - all for NMG?	CW-CW
17-Nov	16.18	Alicia Barden	Eva-maria Bernoth	draft letter to Israeli officials	CW-CW
17-Nov	16.25	Alicia Barden	Bob Heard, Annette Healy	proposed draft cable to posts	CW-CW
17-Nov	17.38	Annette Healy	Tethys Control	comm strategy and FAQs	CW-Fac
17-Nov	17.43	Ian Peebles	Tethys Control	VHS fact sheet	CW-Fac
17-Nov	17.45	Kristy Nelson	Tethys Control	minute to minister for 17/11/03 (not attached!)	CW-Fac
18-Nov	7.41	John Talbot	AFFAEMPLAN Taskforce	industry association contact details Fax+Email	CW-CW
18-Nov	7.55	Alistair Herfort	John Talbot; AFFAEMPLAN TF	industry contact list saved to R drive	CW-CW
18-Nov	7.59	Julie Goodchap	Kelly Psarros	still no access to R drive	CW-CW
18-Nov	8.01	Alistair Herfort	Tethys Control	draft CCEAD minutes as of close of Day 1	CW-Fac
18-Nov	8.07	Eva-Maria Bernoth	Kelly Psarros	pls contact IPEX re R drive problems	CW-CW
18-Nov	8.16	Eva-Maria Bernoth	AFFAEMPLAN Taskforce	fwd: Victorian sit rep no.1 for CCEAD	CW-CW
18-Nov	8.31	Kristy Nelson	Tethys Control	minute to minister for 17/11/03 (attached!)	CW-Fac
18-Nov	8.34	Kelly Psaros	AFFAEMPLAN Taskforce	have contacted IPEX re r drive problems	CW-CW
18-Nov	8.34	Eva-Maria Bernoth	Kelly Psarros	no r drive access	CW-CW
18-Nov	8.48	Julie Goodchap	Kelly Psarros	no r drive access	CW-CW
18-Nov	8.56	Belinda Hughes	Kelly Psarros	no r drive access	CW-CW
18-Nov	9.17	IPEX	Karina Scott (tethys control)	incident IR434685 created	CW-CW
18-Nov	9.39	Eva-Maria Bernoth	AFFAEMPLAN Taskforce	inputs - all NSW and Vic sit reps	CW-CW
18-Nov	10.06	Lyndel Post	AFFAEMPLAN Taskforce	mtg request - update on fish sitn, progress of actions	CW-CW
18-Nov	10.07	Kelly Psaros	AFFAEMPLAN Taskforce	Reboot and access R drive - IPEX finished	CW-CW
18-Nov	10.18	Lyndel Post	AFFAEMPLAN Taskforce	TF mtg at 10:30 this morning`	CW-CW
18-Nov	10.18	Lyndel Post	AFFAEMPLAN Taskforce	agenda for TF mtg	CW-CW
18-Nov	10.18	Bob Biddle	Eva-maria Bernoth, GM, MT	presumptive diagnosis of VHS from AAHL	CW-CW
18-Nov	10.20	Bob Biddle	Julie Goodchap	pls confirm exports to UK (affected/non-aff)	CW-CW

<b>DATE</b>	<b>TIME</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>CW-CSIRO TYPE</b>
18-Nov	10.22	Annette Healy	Judith Maunders	thks for press release	CW-CSIRO
18-Nov	10.26	Alistair Herfort	CCEAD Members	CCEAD teleconference at 11.15am AEDST	CW- all States
18-Nov	10.27	Eva-Maria Bernoth	Bob Biddle	re vic sitn update - seems premature	CW-CW
18-Nov	10.28	Julie Goodchap	Bob Biddle	confirmation of exports to UK (non-affected)	CW-CW
18-Nov	10.32	Alistair Herfort	Silver Perch and Salmon Industry(TC)	invite to CCEAD teleconference	CW-Industry
18-Nov	10.59	Eva-Maria Bernoth	Bob Biddle	trade restrictions salmon - pls reply to TAS	CW-CW
18-Nov	11.02	Bob Biddle	Julie Goodchap	what is status re fingerlings and genetic material?	CW-CW
18-Nov	11.09	Bob Heard	Nick Rayns, Kevin Dunn	pls advise Tickers farm for possible sources of VHS	CW-NSW/QLD
18-Nov	11.10	Julie Goodchap	Live animal exports (TC)	seeking export stats of SP since 10/03	CW-CW
18-Nov	11.14	Julie Goodchap	Biologicals program (TC)	seeking info on export of perch genetic material	CW-CW
18-Nov	11.16	Kristy Nelson	Ministers office TC(cc BB, EMB)	advice re "response stage" activated,	CW-CW
18-Nov	11.22	Alicia Barden	Overseas posts (TC)	Cable re incident	CW-CW?
18-Nov	11.40	Julie Goodchap	Bob Biddle	am following up on Fingerlings etc get back to you	CW-CW
18-Nov	11.47	Bob Heard	Ian Peebles, George Hughes	Information of feed supplied to Tickers	CW-CW
18-Nov	11.49	Bob Heard	Nick Rayns	thanks for providing info	CW-NSW
18-Nov	11.54	Annette Healy	Ian Peebles, Bob Heard	updated FAQs for comment	CW-CW
18-Nov	12.04	Ian Peebles	Bob Heard, George Hughes	re info on feed - processing would kill VHS	CW-CW
18-Nov	12.08	Bob Heard	CCEAD Members	suitable disinfectants for fishing equipment	CW- all States
18-Nov	12.12	Alicia Barden	Julie Goodchap	israeli shipment of fishlings - response/status?	CW-CW
18-Nov	12.13	Belinda Hughes	Kelly Psarros	now have R drive acces - tks	CW-CW
18-Nov	12.16	Julie Goodchap	Alicia Barden	re israeli shipment - no info,	CW-CW
18-Nov	12.35	Julie Goodchap	Live animal exports (TC)	pls be advised suspension of exports possible	CW-CW
18-Nov	12.37	Julie Goodchap	Biologicals program (TC)	pls be advised suspension of exports possible	CW-CW
18-Nov	12.44	Julie Goodchap	AFFAEMPLAN Taskforce	confirm no other export of SP material	CW-CW
18-Nov	13.19	Bob Heard	Julienne Sandefuer (TC)	tk, will verify import permit with AQIS	CW-Industry
18-Nov	13.23	Bob Biddle	Jim Scudamore (TC)	confirm no export affected fish to UK	CW-OS
18-Nov	13.25	Lyndel Post	AFFAEMPLAN Taskforce	lunch and then TF meeting	CW-CW
18-Nov	13.32	Annette Healy	State PR People	further info on comms arising from CCEAD mtg	CW-all States
18-Nov	13.35	Bob Heard	Nick Rayns	april not significant, report only to 10/03	CW-NSW
18-Nov	13.37	Annette Healy	AFFAEMPLAN Taskforce	fwd of e-mails to state comm mgrs	CW-CW

<b>DATE</b>	<b>TIME</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>CW-CW TYPE</b>
18-Nov	13.54	Alicia Barden	Eva-maria Bernoth	follow up with officials in Israel	CW-CW
					<b>TYPE</b>
18-Nov	13.55	Ian Peebles	Annette Healy	comments on FAQs	CW-CW
18-Nov	13.58	Eva-Maria Bernoth	Alicia Barden	cleared cable for follow up with Israel	CW-CW
18-Nov	14.09	Alicia Barden	Satin High System (TC)	to send cable	CW-CW
18-Nov	14.23	Alistair Herfort	CCEAD Members	CCEAD x+4 meeting action list	CW-All States
18-Nov	14.25	Alicia Barden	Eva-maria Bernoth	cable for DAFF posts - for clearance	CW-CW
18-Nov	14.26	Alicia Barden	Kristy Nelson	help from Trade policy for ministerial briefing	CW-CW
18-Nov	14.39	Alicia Barden	Eva-maria Bernoth, Bob Biddle	fish shipment to Irsael - advice on how to proceed	CW-CW
18-Nov	14.44	Annette Healy	Kristy Nelson	talking points for minister (for Minute)	CW-CW
18-Nov	14.45	Julie Goodchap	Live animal exports, Biologicals (TC)	Urgent - exports of SP and Salmonids suspended	CW-CW
18-Nov	14.52	Kristy Nelson	Alicia Barden	minute to minister - for comment re trade impls	CW-CW
18-Nov	14.58	Bob Heard	Andrew Sanger	q's re increased morts, decreased prodn at ticers	CW-NSW
18-Nov	14.59	Alicia Barden	Kristy Nelson	comments on minute	CW-CW
18-Nov	14.59	Julie Goodchap	AQIS Fish policy, exdoc,	Urgent - exports of SP and Salmonids suspended	CW-CW
18-Nov	14.59	Kristy Nelson	Annette Healy	pls send latest FAQs, comm strat and fact sheet	CW-CW
18-Nov	15.03	Kristy Nelson	Bob Biddle	pls approve ministerial minute	CW-CW
18-Nov	15.05	Annette Healy	State PR People	talking points for fed minister -	CW-All States
18-Nov	15.07	Julie Goodchap	Eva-maria Bernoth	confirm action re advising trade partners	CW-CW
18-Nov	15.10	Eva-Maria Bernoth	Alicia Barden	next steps re israeli shipment	CW-CW
18-Nov	15.13	Annette Healy	Rod Thompson, Ron Glanville,	re Talking points and QDPI Press release	CW-QLD
18-Nov	15.14	Eva-Maria Bernoth	Julie Goodchap	proper actions re advising trade partners	CW-CW
18-Nov	15.18	John Talbot	Julie Goodchap	have advised NAC, TSGA and NSWSPG	CW-CW
18-Nov	15.24	Alicia Barden	Eva-maria Bernoth	Tks - will prepare advice to Israel	CW-CW
18-Nov	15.27	Bob Heard	Andrew Sanger	re Ticer - need info on broodstock and licenses	CW-NSW
18-Nov	15.29	Kristy Nelson	Bob Biddle	pls approve ministerial minute	CW-CW
18-Nov	15.30	Annette Healy	Kristy Nelson	talking points for minister (for Minute)	CW-CW
18-Nov	15.32	Alicia Barden	Bob Heard	fwd: advise to Israel for info	CW-CW
18-Nov	15.34	Ian Peebles	Kristy Nelson	updated fact sheet on VHS	CW-CW
18-Nov	15.37	Alistair Herfort	Phil Lansdown, Belinda Hughes	Brief for NMG meeting	CW-CW
18-Nov	15.40	Kristy Nelson	Alicia Barden	Bob has approved minute Trade policy happy?	CW-CW

<b>DATE</b>	<b>TIME</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>TYPE</b>
18-Nov	15.34	John Talbot	Julie Goodchap	further notification to TSGA	CW-CW
18-Nov	15.46	Phil Lansdown	NMG Participants	agenda for NMG meeting	CW-All States/Ind
18-Nov	15.47	Annette Healy	Rod Thompson	didn't received media releases yesterday	CW-QLD
18-Nov	15.49	Phil Lansdown	NMG Participants	draft report from CCEAD mtg	CW-All States/Ind
18-Nov	15.50	Kristy Nelson	Ministers office (TC)	minute to Minister day 4 of emergency response	CW-CW
18-Nov	15.57	Annette Healy	Rod Thompson	re press releases during sim	CW-QLD
18-Nov	15.57	Lyndel Post	AFFAEMPLAN Taskforce	minutes and action list from both TF meetings today	CW-CW
18-Nov	16.01	Ian Peebles	Ken McColl	sampling of fishing tackle for VHS	CW-CSIRO
18-Nov	16.11	Alicia Barden	Bob Biddle, Eva-maria Bernoth	draft response to Israel Quarantine for approval	CW-CW
18-Nov	16.12	Alistair Herfort	CCEAD Members	minutes from CCEAD day x meeting	CW-CW
18-Nov	16.20	John Talbot	Julie Goodchap	further notification to NSW SPGA	CW-CW
18-Nov	16.24	Bob Heard	Nick Rayns	collection of samples for AAHL - anglers	CW-NSW
18-Nov	16.25	Eva-Maria Bernoth	Alicia Barden, Bob Biddle	approving the draft response to IQ	CW-CW
18-Nov	16.26	Bob Heard	Nick Rayns	re collection of samples for AAHL - contact KM	CW-NSW
18-Nov	16.30	Alistair Herfort	Tethys Control	draft CCEAD minutes as of close of Day 2 (X+4)	CW-Fac

### NEW SOUTH WALES

<b>DATE</b>	<b>TIME</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>TYPE</b>
17-Nov	9.32	Nick Rayns	Steve Dunn	Preliminary Diagnosis and next actions	NSW-NSW
17-Nov	9.43	Andrew Sanger	Laurie Derwant	Exercise Tethys (declaration of Q)	NSW-NSW
17-Nov	9.56	Ian Lyall	Andrew Sanger	Logistic on Condo Farm and LDCC	NSW-NSW
17-Nov	9.58	Ian Lyall	Kevin Cooper	Potential Lake George Closure	NSW-NSW
17-Nov	10.09	Nick Rayns	Damian Ogburn	Health Certification of fish sent to SA	NSW-NSW
17-Nov	10.11	Andrew Sanger	Wendy McPherson	Exercise Tethys (set up of LDCC in condo)	NSW-NSW
17-Nov	10.12	Damian Ogburn	Matt Landos cc Hugh Millar	Samples to AAHL	NSW-NSW (Vic)
17-Nov	10.14	Nick Rayns	Alistair Herfort	CCEAD Meeting	NSW-CW
17-Nov	10.17	Andrew Sanger	Max Hertlein	Logistics on Ticer Farm	NSW-NSW
17-Nov	10.25	Wendy McPherson	Andrew Sanger	Exercise Tethys (set up of LDCC in condo)	NSW-NSW



<b>DATE</b>	<b>TIME</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>TYPE</b>
17-Nov	10.26	Damian Ogburn	Nick Rayns	MOU Between CW and States - Media and PR	NSW-NSW
17-Nov	10.28	Damian Ogburn	Eric Aubert	Draft Media Release	NSW-NSW
17-Nov	10.31	Nick Rayns	Steve Dunn	Exercise Tethys - Media	NSW-NSW
17-Nov	10.34	Nick Rayns	Bob Biddle	Exercise Tethys - Media	NSW-CW
17-Nov	10.38	Andrew Sanger	Ian Lyall	Exercise Tethys (Condo LDCC)	NSW-NSW
17-Nov	10.45	Andrew Sanger	Wendy McPherson	Exercise Tethys (Condo LDCC)	NSW-NSW
17-Nov	10.48	Damian Ogburn	Nick Rayns	Exercise Tethys (health certification of SA fish)	NSW-NSW
17-Nov	10.51	Damian Ogburn	Matt Landos	Samples to AAHL	NSW-NSW
17-Nov	10.54	Ian Lyall	Andrew Sanger, Wendy McPherson	Exercise Tethys (LDCC set up)	NSW-NSW
17-Nov	10.54	Nick Rayns	Colin Johnston	Health Certification	NSW-SA
17-Nov	11.04	Andrew Sanger	Allan Lugg	Locate Grubben, LDCC set up	NSW-NSW
17-Nov	11.05	Damian Ogburn	Nick Rayns	Heads-up Tethys	NSW-NSW
17-Nov	11.07	Andrew Sanger	Allan Lugg	Exercise Tethys - possible fish kills	NSW-NSW
17-Nov	11.08	Eric Gall	Mike Ashton	Declaration of VHS under the fisheries act 1994	NSW-NSW
17-Nov	11.12	Allan Lugg	Andrew Sanger	re: Exercise Tethys - possible fish kills	NSW-NSW
17-Nov	11.16	Wendy McPherson	Andrew Sanger and Ian Lyall	re:re: Exercise Tethys (LDCC Set up)	NSW-NSW
17-Nov	11.25	Andrew Sanger	Allan Lugg	re: Exercise Tethys - possible fish kills	NSW-NSW
17-Nov	11.27	Andrew Sanger	Wendy McPherson	re:re: Exercise Tethys (LDCC Set up)	NSW-NSW
17-Nov	11.30	Allan Lugg	Andrew Sanger	re: Exercise Tethys - possible fish kills	NSW-NSW
17-Nov	11.31	Ian Lyall	Andrew Sanger	Exercise Tethys - Ticer Farm Issues	NSW-NSW
17-Nov	11.36	Ian Lyall	Wendy McPherson	Exercise Tethys - Cormorant Cull Licence	NSW-NSW
17-Nov	11.37	Andrew Sanger	Tethys Control	Ticer farm issues (help on fulfilling a request)	NSW-Fac
17-Nov	11.37	Matt Landos	Damian Ogburn	Samples to AAHL	NSW-NSW
17-Nov	11.55	Ian Lyall	Andrew Sanger and Wendy McPherson	re:re: Exercise Tethys - Condo enterprise centre	NSW-NSW
17-Nov	11.57	Wendy McPherson	Ian Lyall	re: Exercise Tethys - Cormorant Cull Licence	NSW-NSW
17-Nov	12.05	Andrew Sanger	Peter Joyce, Max Hertlein	Exercise Tethys	NSW-NSW
17-Nov	12.07	Ian Lyall	Andrew Sanger	Exercise Tethys - questions from planning tech	NSW-NSW
17-Nov	12.15	Wendy McPherson	NPWS - NSW	NPWS Contact - cormorant cull licence	NSW-NSW
17-Nov	12.19	Ian Lyall	Nick Rayns	re: Exercise Tethys - Financial delegation	NSW-NSW
17-Nov	12.22	Andrew Sanger	Ian Lyall and Nick Rayns	re: Exercise tethys questions from planning tech	NSW-NSW

<b>DATE</b>	<b>TIME</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>TYPE</b>
17-Nov	12.30	Andrew Sanger	Allan Lugg, Peter Joyce, Max Hertlein	Fwd: exercise tethys questions from planning tech	NSW-NSW
17-Nov	12.32	Damian Ogburn	Dean Gilligan	VHS	NSW-NSW
17-Nov	12.33	Andrew Sanger	Nick Rayns	Exercise Tethys update	NSW-NSW
17-Nov	12.38	Matt Landos	Damian Ogburn	AAHL Samples	NSW-NSW
17-Nov	12.44	Andrew Sanger	Max Hertlein	Exercise Tethys (disinfection/bird proof?)	NSW-NSW
17-Nov	12.56	Andrew Sanger	Allan Lugg and Peter Joyce	exercise tethys - predator control at fish farms	NSW-NSW
17-Nov	12.59	Allan Lugg	Allan Ticer	Exercise Tethys - Message for Ticer Fish Farm	NSW-Industry
17-Nov	13.05	Andrew Sanger	Nick Rayns and Eric Aubert	ET - Staff Update	NSW-NSW
17-Nov	13.08	Allan Lugg	Aquaculture licensing branch (TC)	ET: Msg for aquaculture licensing branch	NSW-NSW
17-Nov	13.11	Andrew Sanger	Peter Joyce	Exercise tethys (verbal report)	NSW-NSW
17-Nov	13.16	Ian Lyall	Nick Rayns and Andrew Sanger	re: ET - questions from planning tech coord	NSW-NSW
17-Nov	13.20	Dean Gilligan	Damian Ogburn	re: VHS	NSW-NSW
17-Nov	13.34	Ian Lyall	Andrew Sanger	exercise tethys questions from planning tech	NSW-NSW
17-Nov	13.57	Andrew Sanger	Max Hertlein and Peter Joyce	et: personal disinfection procedures	NSW-NSW
17-Nov	14.10	Allan Lugg	Andrew Sanger	Exercise tethys - on movement of fish	NSW-NSW
17-Nov	14.11	Andrew Sanger	Max Hertlein and Peter Joyce	re: et personal disinfection procedures	NSW-NSW
17-Nov	14.15	Nick Rayns	Annette Healy	NSW media brief	NSW-CW
17-Nov	14.18	Ian Lyall	Andrew Sanger	Fwd:re: ET questions from planning tech coord	NSW-NSW
17-Nov	14.22	Ian Lyall	Wendy McPherson	Exercise Tethys (noise from shooting birds)	NSW-NSW
17-Nov	14.40	Wendy McPherson	NSW Police	Culling of birds in the condobolin area	NSW-NSW
17-Nov	14.48	Allan Lugg	Andrew Sanger	ET: mvt of product re bait supply	NSW-NSW
17-Nov	14.48	Matt Landos	Ian Lyall	re: ET - ticer farm issues	NSW-NSW
17-Nov	14.53	Matt Landos	Tim Gippel	protocol for collections	NSW-NSW
17-Nov	15.00	Wendy McPherson	Andrew Sanger and Ian Lyall	updated information re condobolin	NSW-NSW
17-Nov	15.10	Andrew Sanger	Nick Rayns	fwd: ET on movement of fish	NSW-NSW
17-Nov	15.17	Andrew Sanger	Allan Lugg	ET: tracing movement of equip onto ticers	NSW-NSW
17-Nov	15.32	Allan Lugg	Allan Ticer	ET: Manager Ticers Perch Farm	NSW-Industry
17-Nov	15.38	Allan Lugg	Andrew Sanger	ET: movement of fish interstate	NSW-NSW
17-Nov	16.07	Allan Lugg	Andrew Sanger	Exercise tethys - Vic equipment	NSW-NSW
17-Nov	16.32	Andrew Sanger	Allan Lugg	ET: movement of stock to Narrandera Fish Centre	NSW-NSW

<b>DATE</b>	<b>TIME</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>TYPE</b>
17-Nov	16.36	Andrew Sanger	Ian Lyall, Peter Joyce and Max Hertlein	ET (security at fish farms)	NSW-NSW
17-Nov	16.36	Damian Ogburn	Matt Landos (fwd nick rayns, c nelson)	Fwd: re: expanding sampling program	NSW-NSW
17-Nov	15.14	Matt Landos	Damian Ogburn	re: expanding sampling program	NSW-NSW
17-Nov	15.15	Tim Gippel	Ian Charles	re; Tethys - industry questions	NSW-Industry
18-Nov	8.46	Allan Lugg	Allan Ticer	ET - attention Allan Ticer	NSW-Industry
18-Nov	8.58	Allan Lugg	Andrew Sanger	fwd: ET information on fish food ltd	NSW-NSW
18-Nov	9.06	Andrew Sanger	Nick Rayns and Damian Ogburn	fwd: ET information on fish food ltd	NSW-NSW
18-Nov	9.08	Matt Landos	Allan Lugg	Increased tracings	NSW-NSW
18-Nov	9.12	Andrew Sanger	Damian Ogburn, Matt Landos Rayns	ET - updated information	NSW-NSW
18-Nov	9.17	Allan Lugg	Andrew Sanger	FWD: increased tracings	NSW-NSW
18-Nov	9.32	Allan Lugg	Allan Ticer	re: exercise tethys attention allan ticer	NSW-Industry
18-Nov	9.33	Damian Ogburn	Andrew Sanger	fwd: equipment movment - exercise tethys	NSW-NSW
18-Nov	9.39	Damian Ogburn	Matt Landos, Andrew Sanger	Broodstock at Ticers	NSW-NSW
18-Nov	9.39	Matt Landos	Andrew Sanger, Damian Ogburn	re: ET - updated information - delgated	NSW-NSW
18-Nov	9.41	Ian Lyall	Kevin Cooper	Exercise Tethys - NSW Ag Support Staff	NSW-NSW
18-Nov	9.46	Nick Rayns	A-1 stock feed analysts and assessors	Information of fish food treatment kills virus	NSW-Industry
18-Nov	9.46	Ian Lyall	Andrew Sanger, Wendy McPherson	disinfection protocols	NSW-NSW
18-Nov	9.53	Andrew Sanger	Max Hertlein	Broodstock at Ticers - sampling	NSW-NSW
18-Nov	9.57	Nick Rayns	Steve Dunn	Memo to D-G and NSW ministers office	NSW-NSW
18-Nov	10.01	Damian Ogburn	Nick Rayns	Destruction of stock	NSW-NSW
18-Nov	10.03	Ian Charles	Matt Landos	Tethys - hypothetical scenario	NSW-NSW
18-Nov	10.03	Andrew Sanger	Allan Lugg	Tracing duties	NSW-NSW
18-Nov	10.06	Damian Ogburn	Laurie Derwant	Movement controls	NSW-NSW
18-Nov	10.06	Ian Lyall	Eric Aubert	Media information to be sent to premiers dept	NSW-NSW
18-Nov	10.08	Andrew Sanger	Ian Lyall	relief staff	NSW-NSW
18-Nov	10.08	Allan Lugg	Andrew Sanger	Fish to Lake George	NSW-NSW
18-Nov	10.14	Andrew Sanger	Ian Lyall, Wendy McPherson	Update for Wendy	NSW-NSW
18-Nov	10.26	Kevin Cooper	Ian Lyall	re - NSW Ag Support Staff (offer)	NSW-NSW
18-Nov	10.40	Andrew Sanger	Julian Granger	Julian Granger - concern re LG inconsistency	NSW-NSW
18-Nov	10.42	Allan Lugg	Hugh Millar	seeking info re Thompsons hatchery	NSW-Vic

<b>DATE</b>	<b>TIME</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>TYPE</b>
18-Nov	10.51	Allan Lugg	Allan Ticer	Allan Ticer - water source for farm	NSW-Industry
18-Nov	10.51	Matt Landos	Damian Ogburn (cc Ian Charles)	re Tethys - hypothetical (scenario reponses)	NSW-NSW/Ind
18-Nov	10.55	Allan Lugg	Andrew Sanger	Fish kills in Lachlan	NSW-NSW
18-Nov	11.02	Allan Lugg	Allan Ticer	Attention Allan Ticer - use of fertiliser/live food	NSW-Industry
18-Nov	11.03	Damian Ogburn	Tim Gippel	re Tethys - hypothetical (scenario reponses)	NSW-NSW
18-Nov	11.31	Tim Gippel	Ian Charles, Matt Landos	re Tethys - hypothetical scenario - some answers	NSW-Industry
18-Nov	11.36	Cassandra Nelson	Janine Sakker	seeking details aquaculture permit holders	NSW-NSW
18-Nov	11.37	Andrew Sanger	Allan Lugg	details of Ticers farm from Feds	NSW-NSW
18-Nov	11.43	Allan Lugg	Andrew Sanger	re Attentional Allan Ticer- use of fertiliser/live food	NSW-NSW
18-Nov	11.43	Ian Lyall	KC, AL, AS, DO, DG, TG, WM	Sitrep 0318	NSW-NSW
18-Nov	11.45	Ian Lyall	Damian Ogburn	Water in Lake George	NSW-NSW
18-Nov	11.47	Tim Gippel	Ian Charles	Sitrep 0318	NSW-Industry
18-Nov	11.56	Andrew Sanger	Nick Rayns	chasing further info, no live food/fertilisers	NSW-NSW
18-Nov	12.00	Andrew Sanger	Ian Lyall	Lake George - Q order, security	NSW-NSW
18-Nov	12.04	Matt Landos	Ian Lyall, Nick Rayns, Damian Ogburn	Chlorinating Lake George? (rant)	NSW-NSW
18-Nov	12.16	Ian Lyall	Wendy McPherson	fwd: Chlorinating Lake George	NSW-NSW
18-Nov	12.26	Allan Lugg	Andrew Sanger	responses from Allan Ticer	NSW-NSW
18-Nov	12.30	Ian Lyall	Andrew Sanger	Lake George - Q order, security response	NSW-NSW
18-Nov	12.33	Allan Lugg	Andrew Sanger	fwd: details of thompson's hatchery	NSW-NSW
18-Nov	12.40	Matt Landos	KC, DO, IL, NR	Chlorine calcuations	NSW-NSW
18-Nov	12.44	Wendy McPherson	Ian Lyall	Brief for premiers department (for info)	NSW-NSW
18-Nov	12.47	Andrew Sanger	Nick Rayns	fwd: responses from Allan Ticer	NSW-NSW
18-Nov	12.50	Damian Ogburn	Matt Landos	re chlorine calcuations: use rotenone instead	NSW-NSW
18-Nov	12.51	Allan Lugg	(tethys control)	list of poultry/pig farms in lachlan catchment	NSW-NSW
18-Nov	12.56	Andrew Sanger	Ian Lyall	Lake George - notify ACT government?	NSW-NSW
18-Nov	13.03	Ian Lyall	Andrew Sanger	re LG - nick to give update when CCEAD done	NSW-NSW
18-Nov	13.05	Ian Lyall	Wendy McPherson	Updates to premiers brief	NSW-NSW
18-Nov	13.15	Ian Lyall	Kevin Cooper	contacting locals re clean up	NSW-NSW
18-Nov	13.23	Matt Landos	Damian Ogburn	re chlorine calcuations: use rotenone instead	NSW-NSW <b>DATE</b>

DATE	TIME	FROM	TO	CONTENT	TYPE
18-Nov	13.27	Nick Rayns	KC AS CN; DO; IL	Activation of Animal Health Plan u/ DISPLAN	NSW-NSW
18-Nov	13.31	Damian Ogburn	Andrew Sanger	Quarantine Order (issued under EDA)	NSW-NSW
18-Nov	13.34	Andrew Sanger	Allan Lugg	SFM records	NSW-NSW
18-Nov	13.36	Allan Lugg	Andrew Sanger	farms upstream of ticer - worth investigating?	NSW-NSW
18-Nov	13.55	Allan Lugg	SFM Manager	confirm consignments from Mitchemn	NSW-Industry?
18-Nov	14.13	Wendy McPherson	Nick Rayns	advise of human health impacts	NSW-NSW
18-Nov	14.14	Matt Landos	Peter Whittle	VHS epidemiology/water temp	NSW-QLD
18-Nov	14.18	Kevin Cooper	Ian Lyall	re contacting locals re clean up	NSW-NSW
18-Nov	14.26	Allan Lugg	Andrew Sanger	fwd details from SFM re mitchem consignment	NSW-NSW
18-Nov	14.44	Ian Lyall	Kevin Cooper	use of extension officers in Ag emergencies	NSW-NSW
18-Nov	15.00	Andrew Sanger	Ian Lyall	security at farms and LG, help with disposal etc	NSW-NSW
18-Nov	15.06	Ian Lyall	Kevin Cooper and Andrew Sanger	need timeframe for staff on ground,	NSW-NSW
18-Nov	15.06	Damian Ogburn	Andrew Sanger, Ian Lyall	Chlorination of LG proceeding smoothly	NSW-NSW
18-Nov	15.06	Andrew Sanger	Bob Heard	list of tourist anglers at Ticers	NSW-CW
18-Nov	15.14	Andrew Sanger	Kevin Cooper, Ian Lyall	PR with Locals at LG would be useful	NSW-NSW
18-Nov	15.18	Kevin Cooper	Ian Lyall	Actioned items re assistance under DISPLAN	NSW-NSW
18-Nov	15.19	Andrew Sanger	Allan Lugg	check growth and mort rates at Ticers since 03/03	NSW-NSW
18-Nov	15.33	Ian Lyall	Andrew Sanger	fwd details from NSWAg	NSW-NSW
18-Nov	15.38	Andrew Sanger	Peter Joyce	please arrange photograph/video of operation sites	NSW-NSW
18-Nov	15.39	Allan Lugg	Allan Ticer	change in growth/morts/ since intro of broodstock?	NSW-Industry
18-Nov	15.46	Andrew Sanger	Allan Lugg	fwd msg from bob heard, for action	NSW-NSW
18-Nov	15.50	Allan Lugg	Andrew Sanger	fwd details from Allan Ticer re broodstock	NSW-NSW
18-Nov	15.52	Andrew Sanger	Matt Landos	Increased tracings - only just read your suggestions	NSW-NSW
18-Nov	15.55	Allan Lugg	Allan Ticer	info on broodstock, fishing licenses, mvts last month	NSW-Industry
18-Nov	15.56	Andrew Sanger	Colin Johnston	advice re vic farm sending stock to SFM	NSW-SA
18-Nov	16.15	Matt Landos	Andrew Sanger	re increased tracings	NSW-NSW
18-Nov	16.20	Allan Lugg	Andrew Sanger	responses from Allan Ticer - all dead ends	NSW-NSW
18-Nov	16.25	Bob Heard	Andrew Sanger	responses from Allan Ticer - all dead ends	NSW-CW

QUEENSLAND

DATE	TIME	FROM	TO	CONTENT	TYPE
17-Nov	1.44	Karen Skelton	Qld Team	location of details for interstate contacts	QLD-QLD
17-Nov	9.55	Kevin Dunn	Qld Team	Notice of CCEAD 1 meeting	QLD-QLD
17-Nov	10.37	Kevin Dunn	Qld Team	Circulation of VHS info (US -FWS)	QLD-QLD
17-Nov	11.19	Tiina hawkesford	Kerod Beattie	Info on timing of CCEAD meeting	QLD-QLD
17-Nov	12.22	Ron Glanville	Qld Team	Responsibility and timetable for contacting industry	QLD-QLD
17-Nov	13.09	Rod McMahon	Qld Team	Action Items from QLD IMG 1	QLD-QLD
17-Nov	13.15	Tiina hawkesford	Rod McMahon	Introduction of mapping officer	QLD-QLD
17-Nov	13.19	Terry Hallam	DPI Exec Directors	Initial Briefing	QLD-QLD
17-Nov	13.23	Rod McMahon	Tiina Hawkesford	Acknowledgment of Email about mapping officer	QLD-QLD
17-Nov	13.25	Kevin Dunn	Qld Team	Circulation of CCEAD 1 Action list	QLD-QLD
17-Nov	13.32	Karen Skelton	Qld Team	Info on QLD silver perch industry	QLD-QLD
17-Nov	13.38	Karen Skelton	Qld Team	Wider circulation of CCEAD 1 Action List	QLD-QLD
17-Nov	13.43	Rod Thompson	Qld Team	Details of Qld call centres	QLD-QLD
17-Nov	13.53	Rod Thompson	Russell Rogers	Review Comments on Ministerial	QLD-QLD
17-Nov	14.14	Rod Thompson	Annette Healy	Request for info to ensure consistency across juris	QLD-CW
17-Nov	14.25	Ron glanville	Rod McMahon	Request to finalise ministerial	QLD-QLD
17-Nov	14.31	Karen Skelton	Qld Team	Clarification re details of Ministerial briefing note	QLD-QLD
17-Nov	14.35	Ron glanville	Rod McMahon	Confirming Correction to Ministerial briefing note	QLD-QLD
17-Nov	14.49	Cameron Tree	Julienne Sandefeur	Request for technical info on fish food pelleting	QLD-Industry
17-Nov	14.50	Karen Skelton	Nick Rayns	Initial Contact	QLD-NSW
17-Nov	15.47	Eric Gall	Ron glanville	Draft Declaration for Emergency quarantine	QLD-QLD
17-Nov	16.05	Rod Thompson	Qld Team	Circulation of Cwealth Comms plan and FAQs	QLD-QLD
17-Nov	16.08	Ron glanville	Rod Thompson	Request for status on industry briefings	QLD-QLD
17-Nov	16.14	Rod McMahon	Qld Team	Circulation of action items from IMG 2	QLD-QLD
17-Nov	16.17	Karen Skelton	Nick Rayns	Request for NSW sitrep	QLD-NSW
17-Nov	16.21	Rod McMahon	Qld Team	Circulation of QLD SDCHQ sitrep 1	QLD-QLD
17-Nov	16.27	Rod Thompson	Annette Healy	Request for status on industry briefings	QLD-CW

<b>DATE</b>	<b>TIME</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>QLD-QLD TYPE</b>
17-Nov	16.32	Rod Thompson	Rod McMahon	Draft Comm Strategy and FAQs	QLD-QLD
17-Nov	17.13	Cameron Tree	Allan Lugg	Technical detail from Fish Food Pty Ltd	QLD-NSW
17-Nov	17.17	Russell Rogers	Qld Labs	warning of incident and impact on work load	QLD-QLD
17-Nov	17.55	Cameron Tree	Julienne Sandefeur	Confirmation of visit to Fish Food Pty Ltd	QLD-Industry
17-Nov	17.56	Cameron Tree	Qld Team	NSW Quarantine and relevance to QLD	QLD-QLD
17-Nov	17.57	Peter Whittle	Qld Team	Circulation of risk analysis	QLD-QLD
17-Nov	18.14	Rod McMahon	Rod Thompson	Comms Strategy and FAQs installed on intranet	QLD-QLD
17-Nov	18.23	James Planck	Qld Team	Circulation of draft surveillance plan	QLD-QLD
18-Nov	11.13	Ron glanville	Qld Team	Circulation of Vic Sit Rep 3	QLD-QLD
18-Nov	11.4	Karen Skelton	Facilitators	Request for details of sitreps	QLD-Fac
18-Nov	11.44	Karen Skelton	Facilitators	Request for tracing details	QLD-Fac
18-Nov	11.48	Rod McMahon	Qld Team	Minutes of QLD IMG 3	QLD-QLD
18-Nov	11.55	Mike Ashton	Kevin Dunn	Draft Sitrep 3 for approval	QLD-QLD
18-Nov	12.08	Karen Skelton	Colin Johnston	Request for movement details SA-QLD	QLD-SA
18-Nov	12.57	Rod Thompson	Qld Team	request for email addresses	QLD-QLD
18-Nov	13.05	Karen Skelton	Qld Team	Circulation of SA tracing info	QLD-QLD
18-Nov	13.59	Peter Whittle	Matt Landos	Request for epidemiological info	QLD-NSW
18-Nov	14.04	Rod Thompson	Annette Healy	Request for talking points	QLD-CW
18-Nov	14.05	Qld Regional Officers	Peter Kind	No other fish kills reported	QLD-QLD
18-Nov	14.15	Rod Thompson	Rod McMahon	Posting of talking points on website	QLD-QLD
18-Nov	14.31	Ron glanville	Karen Skelton	Request for action on reported fish kill	QLD-QLD
18-Nov	14.44	Rod Thompson	Qld Team	Request to copy all Email traffic to list server	QLD-QLD
18-Nov	14.48	Rod Thompson	Qld Team	Briefing on second CCEAD	QLD-QLD
18-Nov	14.52	Rod McMahon	Qld Team	Circulation of QLD SDCHQ sitrep 3	QLD-QLD
18-Nov	14.54	Kerrod Beattie	Qld Team	Responses to task list for QLD (from CCEAD???)	QLD-QLD
18-Nov	15.01	Peter Kind	Qld Regional Fish Officers	Notification of fish kill in Fitzroy River	QLD-QLD
18-Nov	15.04	Rod Thompson	Annette Healy	Request for info re talking points	QLD-CW
18-Nov	15.09	Peter Whittle	Qld Team	Website with silver perch info	QLD-QLD
18-Nov	15.27	Rod McMahon	Qld Team	CCEAD summary on DPI intranet	QLD-QLD
18-Nov	15.36	Karen Skelton	Greg Conescu	Provision of fish sampling protocols	QLD-QLD

<b>DATE</b>	<b>TIME</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>TYPE</b>
18-Nov	15.39	Rod McMahon	Kevin Dunn	Risk analysis posted on intranet site	QLD-QLD
18-Nov	15.42	Karen Skelton	Qld Team	Circulation of SA tracing info	QLD-QLD
18-Nov	15.43	Peter Kind	Qld Team	No other fish kills reported	QLD-QLD
18-Nov	15.46	Karen Skelton	Greg Conescu	Acknowledgment of message re fish kill	QLD-QLD
18-Nov	15.49	Karen Skelton	Qld Team	Fish kill is isolated incident/samples being collected	QLD-QLD
18-Nov	15.53	Rod Thompson	Annette Healy	Supply of Newspaper articles	QLD-CW
18-Nov	15.56	Rod Thompson	Annette Healy	Acknowledgment of Email re lack of NSW briefings	QLD-CW
18-Nov	16.04	Karen Skelton	Bob Biddle	Notification of fish kill in Fitzroy River	QLD-CW
18-Nov	16.05	Rod Thompson	Annette Healy	Discussion re newspaper articles	QLD-CW
18-Nov	16.11	Karen Skelton	Russell Rogers	Notification of fish kill in Fitzroy River	QLD-QLD
18-Nov	16.22	Rod Thompson	Qld Team	Request for review of draft press release	QLD-QLD
18-Nov	16.24	Peter Whittle	QLD Team	Circulation of revised risk analysis	QLD-QLD
18-Nov	17.14	Rod Thompson	Annette Healy	Qld Press release for info	QLD-CW
18-Nov	17.22	Chris Adriaansen	Qld Team	Feedback on review of draft press release	QLD-QLD
18-Nov	17.43	Karen Skelton	Facilitators	Acknowledgement - fish kill outcome	QLD-QLD

### SOUTH AUSTRALIA

<b>DATE</b>	<b>TIME</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>TYPE</b>
17-Nov	10.31	Colin Johnston	Aquaculture Licensing	Request for details on suspect properties	SA-SA
17-Nov	10.41	Colin Johnston	Dept hierarchy	Initial notice of event	SA-SA
17-Nov	10.41	Colin Johnston	Regional Staff	Initial Briefing and activation	SA-SA
17-Nov	11.11	Colin Johnston	PIRSA Aquaculture	Request for details re movement from suspect farm	SA-SA
17-Nov	11.31	Colin Johnston	State Vet Lab	Warning re possible increased sample load	SA-SA
17-Nov	13.17	Helen Croft	Kay Noske	Input info for press release	SA-SA
17-Nov	13.19	Helen Croft	Will Zacharin	Minute for Minister	SA-SA
17-Nov	15.41	Colin Johnston	Nick Rayns	Request for tracing details re transport	SA-NSW
17-Nov	16.23	Helen Croft	Will Zacharin	Briefing for Minister	SA-SA



DATE	TIME	FROM	TO	CONTENT	TYPE
18-Nov	11.01	Helen Croft	IPOT	Clarification of species stocked on suspect premises	SA-SA
18-Nov	12.35	Helen Croft	SA team and QLD	Tracings to and from QLD	SA-SA,QLD
18-Nov	14.31	Helen Croft	SA-EPA	Request Info on impact of chlorine treatment	SA-SA
18-Nov	14.35	Helen Croft	Kay Noske	Input info for press release	SA-SA
18-Nov	14.46	Colin Johnston	Will Zacharin	Proposed response plan for approval	SA-SA
18-Nov	15.06	Colin Johnston	Barry Windle(State Controller)	Briefing and CCEAD minutes supplied	SA-SA
18-Nov	15.13	Helen Croft	Exercise Control	Contact details for SA -NMG participant	SA-CW
18-Nov	15.17	Helen Croft	Colin Johnston	No movement off infected farms	SA-SA
18-Nov	15.23	Colin Johnston	other states	tracing details and request for their tracings	SA-All States
18-Nov	15.36	Helen Croft	Exercise Control	Request clarification re NMG meeting	SA-CW
18-Nov	15.48	Colin Johnston	Exercise Control	EPA permission received - destruction proceeding	SA-Other SA
18-Nov	15.51	Colin Johnston	Fisheries Officers - Renmark	Upgrade surveillance adjacent to farm sites	SA-SA
18-Nov	15.54	Colin Johnston	Owners - affected farms	Commencement of destruction and disposal	SA-SA

### TASMANIA

DATE	TIME	FROM	TO	CONTENT	TYPE
18-Nov	9.08	Bruce Jackson	Industry Representatives	Notification of incident	TAS-TAS
17-Nov	15.35	Mary Lou Conway	Industry Representatives	Notification of incident	TAS-TAS
18-Nov	12.25	Barry Calderbank	Tethys Control	Draft Tas press release	TAS-CW
17-Nov	17.21	Mary Lou Conway	All states	Establishment of Tas SDCHQ	TAS-All States

### VICTORIA

DATE	TIME	FROM	TO	CONTENT	TYPE
17-Nov	11.13	Hugh Millar	Richard Mcloughlin	Sit rep and request to brief dept heirachy	VIC-VIC
17-Nov	16.12	Hugh Millar	Nick Rayns	Request for NSW sit rep	VIC-NSW

<b>DATE</b>	<b>TIME</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>TYPE</b>
17-Nov	14.18	Hugh Millar	All States	Details of Vic SDCHQ	VIC-All States
17-Nov	16.06	Hugh Millar	Richard Mcloughlin	Sit Rep 1 and request to brief Secretary	VIC-VIC
17-Nov	13.39	Richard McLoughlin	Hugh Millar	Central Government Response Committee briefed	VIC-VIC
17-Nov	17.41	Hugh Millar	All States	Vic Sit Rep 1	VIC-All States
17-Nov	18.14	Patricia Zimmer	All States	Vic Media Release	VIC-All States
17-Nov	16.19	Anthony Forster	Vic DPI staff	Initial report	VIC-VIC
18-Nov	09.38	Hugh Millar	Nick Rayns	Seeking advice on NSW lab results	VIC-NSW
18-Nov	10.01	Hugh Millar	Bob Biddle	Advice on Vic Lab results	VIC-CW
18-Nov	11.05	Hugh Millar	All States	Vic Sit Rep 3	VIC-All States
18-Nov	11.42	Hugh Millar	Richard Mcloughlin	Briefing to hierachy	VIC-VIC
18-Nov	12.35	Hugh Millar	All States	Details of Vic Fish Farms	VIC-All States
18-Nov	15.16	Hugh Millar	Vic DPI staff	Relevant Vic Legislation	VIC-VIC
18-Nov	15.51	Patricia Zimmer	Vic DPI staff	Sit Rep and Industry release	VIC-VIC
18-Nov	16.06	Patricia Zimmer	Vic Team	Response Plan	VIC-VIC
18-Nov	16.16	Belinda grace	Vic Team	Media Release	VIC-VIC

### WESTERN AUSTRALIA

<b>DATE</b>	<b>TIME</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>TYPE</b>
17-Nov	13.52	Tina Thorne	Minister	Initial briefing on incident	WA-WA
17-Nov	14.04	Rob Tregonning	WAQIS	Institute ban on silver perch into WA	WA-WA
17-Nov	14.33	Roley Myers	Annette Healy	details of WA industry contacts	WA-CW
17-Nov	15.09	Tina Thorne	Tony Cappelutti	request to investigate Edwards exports	WA-WA
17-Nov	15.31	Tina Thorne	Hierachy, Industry, WA team	first sit rep	WA-WA, industry
17-Nov	15.43	Fiona O'Connor	Annette Healy	Draft Media Release for WA	WA-CW
17-Nov	15.46	Tina Thorne	Hierachy, Industry, WA team	Resend first sit rep	WA-WA, industry
17-Nov	15.49	Tina Thorne	All WA Fish staff	Initial briefing to WA Fisheries staff	WA-WA
18-Nov	10.46	Tina Thorne	Tony Cappelutti	request to resend documents	WA-WA

**TABLE 2 - LISTING OF ALL TELEPHONE AND FAX TRAFFIC DURING EXERCISE TETHYS****AUSTRALIAN FISH DISEASES LABORATORY**

<b>DATE</b>	<b>TIME</b>	<b>METHOD</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>TYPE</b>
17-Nov	11.10	phone	Anne Partridge	Ken McColl	CCEAD teleconference (no mention of Exercise Tethys)	CSIRO-CSIRO
17-Nov	12.45	phone	Ken McColl	Matt Landos	Sample details	CSIRO-NSW
17-Nov	12.50	phone	Ken McColl	EvaBernoth	Left message inquiring whether DAFF needed assistance with fact sheets	CSIRO-CW
17-Nov	12.55	phone	Ken McColl	Alex hyatt	Left message that samples coming in tomorrow for EM examination	CSIRO-CSIRO
17-Nov	13.00	phone	Ken McColl	John Young	Samples coming in tomorrow	CSIRO-CSIRO
17-Nov	13.00	phone	Ken McColl	Martyn Jeggo	Discuss link with NSW	CSIRO-CSIRO
17-Nov	13.04	phone	Nette Williams	Ken McColl	Confirmed culture requirements for samples arriving tomorrow	CSIRO-CSIRO
17-Nov	13.30	phone	Ken McColl	EvaBernoth	Discussed preparation of fact sheets	CSIRO-CW
17-Nov	14.05	phone	Ken McColl	David Boyle	Discussed number of samples to be processed for PCR	CSIRO-CSIRO
17-Nov	14.40	phone	Peter Daniels	Anne Partridge	Set up meeting to discuss AAHL resources following receipt of SA samples	CSIRO-CSIRO
17-Nov	15.00	phone	Martyn Jeggo	AAHL staff	Set up meeting to discuss AAHL resources	CSIRO-CSIRO
17-Nov	15.25	phone	Ken McColl	Robert Heard	Any assistance required for fact sheets	CSIRO-CW

**AUSTRALIAN CAPITAL TERRITORY**

<b>DATE</b>	<b>TIME</b>	<b>METHOD</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>TYPE</b>
17-Nov	10.45		Will Andrew	ACT team	inform that CCEAD will be held	ACT-ACT
17-Nov	14.32		Mark Lintermans	Andrew Sanger	could not get through	ACT-NSW
17-Nov	14.40		Mark Lintermans	NSW Fisheries	correct number for Andrew Sanger	ACT-NSW
17-Nov	14.41		Mark Lintermans	Andrew Sanger	Enquiries re surveillance for Lake George	ACT-NSW
17-Nov	15.30		Mark Lintermans	Will Andrew	draft outline of surveillance program	ACT-ACT
17-Nov	16.00		Rod West	ACT Minister	Initial briefing	ACT-ACT
17-Nov	17.15		Rod West	ESB	Initial briefing	ACT-ACT
17-Nov	10.35		Will Andrew	Rod West	Comments on draft ACT sitrep	ACT-ACT
17-Nov	10.45		Will Andrew	David Miles	info on media releases	ACT-ACT

DATE	TIME	METHOD	FROM	TO	CONTENT	TYPE
17-Nov	10.45		Will Andrew	Rod West	confirm time for CCEAD brief	ACT-ACT
17-Nov	11.10		Will Andrew	ACT team	to call briefing meeting	ACT-ACT
17-Nov	11.15		Will Andrew	ACT team	Vic Sitrep 3	ACT-ACT
17-Nov	11.15		Will Andrew	Bob Neil	confirm meeting time	ACT-ACT
18-Nov	11.15		Will Andrew	David Miles	confirm meeting time	ACT-ACT
18-Nov	11.15		Will Andrew	Rod West	re confirmed meeting time	ACT-ACT
18-Nov	11.30		Will Andrew	AFFA	request info re CCEAD meeting	ACT-CW
18-Nov	15.10		Will Andrew	David Miles	confirm press release	ACT-ACT
18-Nov	15.10		Will Andrew	ACT team	distribution of press release	ACT-ACT

### AUSTRALIAN GOVERNMENT

DATE	TIME	METHOD	FROM	TO	CONTENT	TYPE
17-Nov	10.29	Phone	Alistair Herfort	Facilitators	seeking industry contacts	CW-CW
17-Nov	10.55	Phone	Alistair Herfort	DAFF switch	to confirm phone conference booked	CW-CW
17-Nov	11.00	Phone	Alistair Herfort	DAFF switch	to discuss problems with contacting conference parties	CW-CW
17-Nov	11.31	Phone	Kristy Nelson	Peter Millington	to find contact number for CCEAD	CW-WA
17-Nov	11.33	Phone	Kristy Nelson	DAFF Switch	To advise Peter Millington's no	CW-CW
17-Nov	13.26	Phone	Eva Bernoth	Ann Partridge	to speak with Martyn Jeggoe	CW-CSIRO
17-Nov	14.00	Phone	Julie Goodchap	Nick Rayns	movement NSW-WA	CW-NSW
17-Nov	14.05	Phone	Julie Goodchap	Peter Millington	movement NSW-WA	CW-WA
17-Nov	14.07	Phone	Jill Mortier	Nick Rayns	request for NSW sitrep	CW-NSW
17-Nov	14.32	Phone	Jill Mortier	Cassandra Nelson	seeking NSW sitrep	CW-NSW
17-Nov	14.50	Phone	Annette Healy	Eric Aubert	re joint media approach	CW-NSW
17-Nov	15.00	Phone	John Talbot	Eva Bernoth	to obtain permission to contact industry	CW-CW
17-Nov	15.05	Phone	John Talbot	Nick Rayns	to confirm that industry briefed	CW-NSW
17-Nov	15.10	Phone	John Talbot	Eva Bernoth	to advise industry briefed	CW-CW
18-Nov	11.20	Phone	Robert Heard	Jillian Sandefeur	Details of fish food production	CW - Industry
18-Nov	11.45	Phone	Robert Heard	Jillian Sandefeur	Request for import permit no for fish meal	CW - Industry
18-Nov	15.00	Phone	Robert Heard	Christian Padua	Determining recent fishing activity	CW - Industry
18-Nov	15.10	Phone	Robert Heard	Neil Padua	Determining recent fishing activity	CW - Industry
18-Nov	15.20	Phone	Robert Heard	Cody Smith	Determining recent fishing activity	CW - Industry

DATE	TIME	METHOD	FROM	TO	CONTENT	TYPE
18-Nov	15.30	Phone	Robert Heard	Sam Bones	Determining recent fishing activity	CW - Industry
18-Nov	15.40	Phone	Robert Heard	Dean Trail	Determining recent fishing activity	CW - Industry
18-Nov	10.15	Phone	John Talbot	Simon Bennison	Update and request for assistance	CW - Industry
18-Nov	11.10	Phone	John Talbot	Simon Bennison	Update and request for assistance	CW - Industry
18-Nov	14.55	Phone	John Talbot	Simon Bennison	suspension of exports	CW - Industry
18-Nov	15.00	Phone	John Talbot	Ian Charles	left message	CW - Industry
18-Nov	15.10	Phone	John Talbot	Owen Carrington-Smith	left message	CW - Industry
18-Nov	15.40	Phone	John Talbot	Pheroze Jungalwalla	suspension of exports	CW - Industry
18-Nov	11.05	Phone	Alistair Herfort	Facilitators	determine industry rep attendance at CCEAD	CW - Industry
18-Nov	11.15	Phone	Alistair Herfort	Russell Rogers	determine FAX no for CCEAD material	CW-QLD
18-Nov	12.00	Phone	Belinda Hughes	Kelly Psaarros	Problems with R drive access	CW-CW
18-Nov	12.20	Phone	Belinda Hughes	Kelly Psaarros	Problems with R drive access	CW-CW
18-Nov	15.00	Phone	Belinda Hughes	Craig Chalton	Contact no for NMG meeting	CW-ACT
18-Nov	15.01	Phone	Belinda Hughes	Michelle	Contact no and person for NMG meeting	CW-QLD
18-Nov	15.03	Phone	Belinda Hughes	Ian Charles	left message re NMG meeting	CW - Industry
18-Nov	15.04	Phone	Belinda Hughes	Peter Millington	WA cant participate in NMG	CW-WA
18-Nov	15.05	Phone	Belinda Hughes	Simon bennison	Left message to call back	CW - Industry
18-Nov	15.24	Phone	Belinda Hughes	Simon Bennison	Left message to call back	CW - Industry
18-Nov	15.25	Phone	Belinda Hughes	Ian Charles	Left message to call back	CW - Industry
18-Nov	15.28	Phone	Belinda Hughes	Alistair Herfort	request for CCEAD minutes for NMG	CW-CW
18-Nov	15.29	Phone	Belinda Hughes	Simon Bennison	confirmed contact no and Email	CW - Industry
18-Nov	15.40	Phone	Belinda Hughes	Lorraine	inform that teleconf nos FAXed through	CW-CW

### QUEENSLAND

DATE	TIME	METHOD	FROM	TO	CONTENT	TYPE
17-Nov	10.10	phone	Mike Ashton	Eric Gall	options for controlling intoroduction of VHS vectors	QLD-QLD
17-Nov	12.00	phone	Cameron Tree	Julie Sandefeur	request for info on raw materials in fish food	QLD- Industry
17-Nov	12.00	phone	Karen Skelton	Commonwealth	request for NSW contact details	QLD-CW
17-Nov	12.15	phone	James Planck	Allan Lugg	Tracings NSW-QLD	QLD-NSW
17-Nov	12.15	phone	Karen Skelton	Nick Rayns	left ,message	QLD-NSW
17-Nov	1.55	phone	Cameron Tree	Andrew Sanger	discussion on quarantine measures	QLD-NSW

17-Nov	15.10	phone	Karen Skelton	Nick Rayns	looking for NSW Sitrep	QLD-NSW
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## NEW SOUTH WALES

DATE	TIME	METHOD	FROM	TO	CONTENT	TYPE
17-Nov	9.00	Phone	Nick Rayns	NSW Team	Discussed next steps, see email	NSW-NSW
17-Nov	9.25	Phone	Andrew Sanger	Laurie Derwant	Seek legal advice re quarantine of Lake Goerge	NSW-NSW
17-Nov	9.25	Phone	D Gilligan	Allan Lugg	Asking about who picked up fish from Tickers silver perch farm.	NSW-NSW
17-Nov	9.26	Phone	Ian Lyall	Ops Mgr/Albury	Discussing interagency closure of Lake George	NSW-NSW
17-Nov	9.35	Phone	Andrew Sanger	Lyall/PSFC	Left message re exercise instructions	NSW-NSW
17-Nov	9.41	Phone	Ian Lyall	A. Sanger	Discussing legal advice of closure	NSW-NSW
17-Nov	10.00	Phone	Damian Ogburn	K Cooper	45 inspectors & Exotic Diseases Act to control movement in NSW	NSW-NSW
17-Nov	10.00	Phone	Nick Rayns	Miller/Vic	Advised of Vic affected farms x 2	NSW-VIC
17-Nov	10.10	Phone	Nick Rayns	Johnston/SA	Advised of SA affected farms x 2	NSW-SA
17-Nov	10.10	Phone	W McPherson	Condo Ag. Centre	Rang to enquire facilities at the centre	NSW-NSW
17-Nov	10.20	Phone	Ian Lyall	A Sanger	Discussed conversation with Kevin Cooper re Exotic Diseases Act	NSW-NSW
17-Nov	10.25	Phone	W McPherson	Wagga Ag Dept	Rang to get some contact phone numbers	NSW-NSW
17-Nov	10.30	Phone	Ian Lyall	Kevin Cooper	Discussion of quarantine procedures and and best option	NSW-NSW
17-Nov	10.35	Phone	W McPherson	Condo Ag. Centre	Rang to get more information re facilities	NSW-NSW
17-Nov	10.40	Phone	Nick Rayns	Johnston/SA	Provided Ticer anem so double checks can be done	NSW-SA
17-Nov	10.45	Phone	W McPherson	CTC Centre	Rang to enquire about facilities	NSW-NSW
17-Nov	11.00	Phone	Damian Ogburn	K Cooper	MOU ACT with Agriculture so if spreads to Lake Burley Griffin	NSW-NSW
17-Nov	11.07	Phone	Ian Lyall	A Sanger	Discussed Dept. Ag. Resources and information	NSW-NSW
17-Nov	11.15	Phone	Ian Lyall	Landos	Status	NSW-NSW
17-Nov	11.39	Phone	Ian Lyall	A Sanger	Discussed access to resources, need to update brief	NSW-NSW
17-Nov	11.40	Phone	Andrew Sanger	Ian Lyall	Disinfection protocol.	NSW-NSW
17-Nov	11.49	Phone	Ian Lyall	Landos	contacting AAHL re samples plus email protocol and fish sampling protocol	NSW-NSW
17-Nov	12.15	Phone	Matt Landos	AAHL	Advise samples coming	NSW-CSIRO
17-Nov	12.15	Phone	Nick Rayns	Millington/WA	Bringing him up to speed	NSW-WA
17-Nov	12.25	Phone	Andrew Sanger	Laurie Derwant	Advise him that he was not needed further	NSW-NSW
17-Nov	12.30	Phone	Matt Landos	Damian Ogburn	Re AAHL shipment	NSW-NSW
17-Nov	12.35	Phone	Ian Lyall	A Sanger	Discussed need for an update	NSW-NSW
17-Nov	12.40	Phone	Matt Landos	AAHL	Re samples to be sent	NSW-CSIRO

<b>DATE</b>	<b>TIME</b>	<b>METHOD</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>TYPE</b>
17-Nov	12.45	Phone	Allan Lugg	Sanger/Albury	Contacts for fish farms	NSW-NSW
17-Nov	13.00	Phone	Allan Lugg	Graeme Bowley	Who is Ag licensing	NSW-NSW
17-Nov	13.18	Phone	Ian Lyall	SDHQ	Emailed at 10.47 details of protocols	NSW-NSW
17-Nov	13.20	Phone	Allan Lugg	James Plank	Any trace forward to Qld	NSW-NSW
17-Nov	13.29	Phone	Ian Lyall	A Sanger	Discussed update	NSW-NSW
17-Nov	13.30	Phone	Matt Landos	Cass Nelson	Re SP only quarantine in RA. Expand	NSW-NSW
17-Nov	13.45	Phone	Allan Lugg	Seville & Sons	Details of any movement fish	NSW- Industry
17-Nov	13.50	Phone	Allan Lugg	McNelly	Details of any fish movement	NSW- Industry
17-Nov	14.00	Phone	Damian Ogburn	Ian Charles	Concerns over how quarantine enacted compensation and advisement	NSW- Industry
17-Nov	14.20	Phone	Nick Rayns	Julie/AQIS	Info on export SP for WA. She will try Peter Millington	NSW-CW
17-Nov	14.30	Phone	Damian Ogburn	Landos	Dangerous goods, hire a plane, chlorine and animal ethics	NSW-NSW
17-Nov	14.40	Phone	Allan Lugg	Worm Farm	No material back to Tickers	NSW- Industry
17-Nov	14.45	Phone	Ian Lyall	Ops Mgr/Albury	Discussed contamination	NSW-NSW
17-Nov	14.48	Phone	Ian Lyall	Cooper/SDCHQ	Discussed animal health subplan – activated State Emerg Man.	NSW-NSW
17-Nov	14.48	Phone	Ian Lyall	Cooper/SDCHQ	Need quick response – alert phase pre-emptive	NSW-NSW
17-Nov	14.55	Phone	Nick Rayns	Talbot	Advised we had Ian Charles & salmonoid farm advised	NSW-NSW
17-Nov	15.10	Phone	Allan Lugg	Matt Landos	Proactive collection of samples from other farms	NSW-NSW
17-Nov	16.15	Phone	Ian Lyall	Prem/Wagga	Update on Tethys	NSW-NSW
18-Nov	9.30	Phone	Allan Lugg	D Gilligan	Who is Julian Granger	NSW-NSW
18-Nov	9.30	Phone	Nick Rayns	A Sanger	Update of progress re tracing	NSW-NSW
18-Nov	9.40	Phone	Allan Lugg	J. Granger	Query re fish transported to Lake George	NSW-NSW
18-Nov	9.55	Phone	Ian Lyall	Prem/Wagga	Media release not received – general update	NSW-NSW
18-Nov	10.00	Phone	Matt Landos	A Sanger	Re Broodstock sampling	NSW-NSW
18-Nov	10.00	Phone	Matt Landos	A Lugg	Re: Sampling tracing	NSW-NSW
18-Nov	10.03	Phone	Ian Lyall	Eric Aubert	Not available	NSW-NSW
18-Nov	10.15	Phone	Nick Rayns	H. Millar	Discussed PCR results – Vic and NSW	NSW-VIC
18-Nov	10.17	Phone	Ian Lyall	A Sanger	Discussed update and tracing needs	NSW-NSW
18-Nov	10.25	Phone	Andrew Sanger	Allan Lugg	Tickers – organise ferts in fryponds. Line foods in broodstock	NSW-NSW
18-Nov	10.30	Phone	Nick Rayns	C. Johnston	Discussed PCR results Vic & NSW, SA no info yet	NSW-SA
18-Nov	10.35	Phone	Nick Rayns	B. Biddle	Fact Sheet & CCEAD and model	NSW-CW
18-Nov	10.40	Phone	Nick Rayns	K Cooper	Update on PCR results etc	NSW-NSW
18-Nov	10.45	Phone	Andrew Sanger	I Lyall	Clarify NSW Ag role and my role	NSW-NSW
18-Nov	10.50	Phone	Allan Lugg	Cass Nelson	Not available	NSW-NSW
18-Nov	11.03	Phone	Ian Lyall	A. Sanger	For broodstock and nursery pond inputs re State Emerg. Man. Committee	NSW-NSW

18-Nov	11.10	Phone	Allan Lugg	Cass Nelson	Supply list of fish farms in Lachlan catchment	NSW-NSW
18-Nov	11.48	Phone	Ian Lyall	M Landos	540mglt dosage rate for VHS	NSW-NSW
18-Nov	12.13	Phone	Ian Lyall	Prem/Wagga	Checking on update issue	NSW-NSW
18-Nov	12.20	Phone	Andrew Sanger	Allan Lugg	Return call. Re question from Feds. Direct them to Tethys	NSW-NSW
<b>DATE</b>	<b>TIME</b>	<b>METHOD</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>TYPE</b>
18-Nov	12.25	Phone	Allan Lugg	Andrew Sanger	Re: Poultry/pig farms in Lachlan catchment	NSW-NSW
18-Nov	12.40	Phone	Andrew Sanger	Allan Lugg	Clarify details on questions from Affa	NSW-NSW
18-Nov	13.15	Phone	Andrew Sanger	Kit Burton	Clarify	NSW-VIC
18-Nov	13.35	Phone	Andrew Sanger	ACT Govt	Advice on quarantine order for Lake George	NSW-ACT
18-Nov	14.00	Phone	Damian Ogburn	M Landos	Actins -clean up, continue to monitor, tracing-report mechanism	NSW-NSW
18-Nov	14.00	Phone	Ian Lyall	A Sanger	Liaising re status of assistance from Dept Ag.	NSW-NSW
18-Nov	14.05	Phone	Ian Lyall	A Sanger	Re discussions with Kevin for assistance	NSW-NSW
18-Nov	14.22	Phone	Ian Lyall	Landos	Trying to locate	NSW-NSW
18-Nov	15.06	Phone	Ian Lyall	K. Ellard	Fish to market from NSW to Tas – we could provide information in two days.	NSW-TAS
18-Nov	15.30	Phone	Andrew Sanger	Allan Lugg	Chasing up info for Affa	NSW-NSW

### SOUTH AUSTRALIA

<b>DATE</b>	<b>TIME</b>	<b>METHOD</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>TYPE</b>
17-Nov	9.40		Colin Johnston	Helen Croft	Initial brief and request for quarantine on SA farms	SA-SA
17-Nov	9.55	Phone	Colin Johnston	Cass Nelson	Request for NSW farm details and health certificates	SA-NSW
17-Nov	10.05		Helen Croft	Fish Officers	Lock down farms	SA-SA
17-Nov	10.10	Phone	Colin Johnston	Kaye Noske	left message	SA-SA
17-Nov	10.40		Benn Gramola	Renmark Police	Assistance to attend farms	SA-Other SA
17-Nov	10.40		Colin Johnston	PIRSA Aq	Request to check health certificates for other movements from Ticers	SA-SA
17-Nov	10.45		Benn Gramola	Helen Croft	Only assistance from one police officer	SA-SA
17-Nov	10.50		Benn Gramola	National Parks	request staffing assistance	SA-Other SA
17-Nov	11.00		Colin Johnston	Vetlab	potential for increased no of clinical samples	SA-SA
17-Nov	11.05		Helen Croft	MCO	brief re incident	SA-SA
17-Nov	11.15		Benn Gramola	Helen Croft	details of staff visiting farm	SA-SA
17-Nov	11.40		Benn Gramola	Helen Croft	middlebrook secured	SA-SA
17-Nov	11.55		Benn Gramola	Helen Croft	Chapel's secured	SA-SA
17-Nov	12.00		Colin Johnston	Will Zacharin	ministerial brief for review	SA-SA



DATE	TIME	METHOD	FROM	TO	CONTENT	TYPE
17-Nov	12.00		Helen Croft	MCO	Advise farms secured	SA-SA
17-Nov	12.05		Benn Gramola	affected farms	request for stock records	SA-Industry
17-Nov	12.25		Benn Gramola	affected farms	Request for more stock records	SA-Industry
17-Nov	12.40		Benn Gramola	Helen Croft	for info and request directions for further action	SA-SA
17-Nov	12.40		Helen Croft	Colin Johnston	advice re stock records	SA-SA
17-Nov	12.45		Helen Croft	Benn Gramola	advice re discharge from farm	SA-SA
17-Nov	12.50		Colin Johnston	Will Zacharin	Request to take minute to Minister	SA-SA
17-Nov	13.00		Benn Gramola	Helen Croft	info re no discharge off properties	SA-SA
17-Nov	13.00		Helen Croft	Colin Johnston	request instructions re sampling	SA-SA
17-Nov	13.46		Colin Johnston	Helen Croft	Technical details for samples and response to disease	SA-SA
17-Nov	13.57		Colin Johnston	Vetlab	Notification of sample arrival	SA-SA
17-Nov	14.02		Colin Johnston	AAHL	Expect SA samples dispatched	SA-CSIRO
17-Nov	14.05		Benn Gramola	Fisheries .	Relief staff on duty	SA-SA
17-Nov	14.05		Colin Johnston	ACVO	notice samples to AAHL	SA-CW
17-Nov	14.07		Colin Johnston	Vetlab	carrier details for dispatch of samples to AAHL	SA-SA
17-Nov	14.23		Benn Gramola	Fisheries	request for information on clinical signs and mortalities	SA-SA
17-Nov	14.30		Benn Gramola	Helen Croft	info - no signs of disease at farm	SA-SA
17-Nov	14.35		Colin Johnston	CCEAD	check on progress of national media release	SA-CW
17-Nov	15.05		Colin Johnston	Nick Rayns	Query re mode of transport of fingerlings NSW to SA	SA-NSW
17-Nov	15.15		Helen Croft	Vetlab	advice that samples en route	SA-SA
17-Nov	16.00		Colin Johnston	Will Zacharin	updated briefing	SA-SA
18-Nov	9.30		Helen Croft	Fish Officers	Confirm stock report from Middlebrook	SA-SA
18-Nov	11.00		Colin Johnston	Nick Rayns	providing results of tests on SA farms	SA-NSW
18-Nov	11.08		Helen Croft	Benn Gramola	details for sampling of feed	SA-SA
18-Nov	11.13		Benn Gramola	Fish Officers	collect feed samples from affected farms	SA-SA
18-Nov	11.13	Phone	Benn Gramola	Fish Officers	Collect feed samples from affected farms	SA-SA
18-Nov	11.15		Colin Johnston	SA Heirachy	notice of AAHL results	SA-SA
18-Nov	12.05		Helen Croft	Karen Skelton	provide info on traces to/from QLD	SA-QLD
18-Nov	12.30		Helen Croft	Benn Gramola	Info re use of disinfectants and availability	SA-SA
18-Nov	12.40	Phone	Benn Gramola	Fish Officers	biosafety proecedures to be used on farms	SA-SA
18-Nov	12.50	Phone	Benn Gramola	Fish Officers	request for details of affected farms	SA-SA
18-Nov	13.00	Phone	Benn Gramola	Colin Johnston	Information re pond sizes of affected farms	SA-SA
18-Nov	13.15	Phone	Benn Gramola	Renmark council	Request for landfill site	SA-Other SA
18-Nov	14.00		Helen Croft	EPA	request advice on water disposal	SA-Other SA

18-Nov	14.00		Helen Croft	Media	media points update	SA-SA
18-Nov	14.15	Phone	Benn Gramola	Fish Officers	request to source chlorine	SA-SA
18-Nov	14.30		Benn Gramola	Renmark council	Arranging land fill for fish disposal	SA-Other SA
18-Nov	14.35	Phone	Benn Gramola	Colin Johnston	briefing re disposal site	SA-SA
18-Nov	14.40		Colin Johnston	Farm owners	info re diagnosis and destruction	SA-Industry
<b>DATE</b>	<b>TIME</b>	<b>METHOD</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>TYPE</b>
18-Nov	14.43		Helen Croft	NMG Secretariat	SA details for meeting	SA-CW
18-Nov	14.55		Helen Croft	Colin Johnston	technical advice re chlorine and tracings	SA-SA
18-Nov	15.06		Helen Croft	NMG Secretariat	inquiry whether meeting proceeding	SA-CW
18-Nov	15.30		Benn Gramola	Helen Croft	Approval for fish distruction	SA-SA
18-Nov	15.30		Helen Croft	Benn Gramola	provision of technical details for destruction	SA-SA
18-Nov	15.35	Phone	Benn Gramola	Fish Officers	Instructions for destruction process	SA-SA

### TASMANIA

<b>DATE</b>	<b>TIME</b>	<b>METHOD</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>TYPE</b>
17-Nov	12.15	phone	M Conway	Eric Brain	Initial briefing	TAS-TAS
17-Nov	12.20	phone	M Conway	Bob Lister	Initial briefing	TAS-TAS
17-Nov	12.20	Phone	M Conway	Bob Lister	Initial brief	TAS-TAS
17-Nov	13.10	Phone	B Calderbank	Annette Healy	requesting info on national media approach	TAS-CW
17-Nov	13.15	Phone	B Calderbank	C Anderson	advising CMU	TAS-TAS
17-Nov	11.47	Phone	Bruce Jackson	Rod Gobbey	initial briefing	TAS-TAS
17-Nov	13.05	Phone	Bruce Jackson	John Pauley	initial briefing	TAS-TAS
17-Nov	13.10	Phone	Bruce Jackson	TAS Heirachy	initial briefing	TAS-TAS
17-Nov	13.16	Phone	Bruce Jackson	M Conway	Ok to commence briefings	TAS-TAS
17-Nov	14.00	Phone	M Conway	Dir Nat HQ	supply contac details	TAS-CW
17-Nov	14.00	fax	M Conway	E Bernoth	Details of Tasmanian SDCHQ	TAS-CW
17-Nov	14.10	Phone	B Calderbank	C Anderson	briefing	TAS-TAS
17-Nov	14.10	Phone	M Conway	M Williams	Initial briefing and advice of increased sample submission	TAS-TAS
17-Nov	14.20	Phone	M Conway	R Chandler	Survey team availability	TAS-TAS
17-Nov	14.20	Phone	M Conway	K White	Survey team availability	TAS-TAS
17-Nov	14.20	Phone	M Conway	Pichmond Loh	Survey team availability	TAS-TAS
17-Nov	14.20	Phone	M Conway	P Jungalwalla	Notification of incident	TAS- Industry

17-Nov	14.52		M Williams	M Conway	Response re lab capacity	TAS-TAS
17-Nov	14.57	Phone	Bruce Jackson	Bob Biddle	Clarification re contact nos	TAS-CW
17-Nov	15.15	Phone	Eric Brain	Bruce Jackson	Confirmation of Stakeholder contacts	TAS-TAS
17-Nov	15.15	Phone	Bruce Jackson	Bob Biddle	clarification re communications	TAS-CW
17-Nov	15.20	FAX	M Conway	Ian Peebles	Details of Tasmanian SDCHQ	TAS-CW
17-Nov	15.20	Phone	M Conway	Ian Peebles	sort out contacts	TAS-CW
17-Nov	15.34	Phone	Bruce Jackson	Theresa ?	request for import authority	TAS-TAS
17-Nov	15.34	Phone	Bruce Jackson	P Jungalwalla	returning call	TAS- Industry
17-Nov	15.50	Phone	M Conway	Danny Reardon	Notification of incident	TAS- Industry
17-Nov	16.20	phone	M Conway	P Jungalwalla	Initial briefing	TAS-TAS
18-Nov	10.10	phone	M Conway	Sabatino	Action required - hold all fish	TAS-TAS
18-Nov	10.14	Phone	Bruce Jackson	S Sharman	request to return call	TAS-?
18-Nov	10.30	Phone	Kevin Ellard	Mike Manual	Request to take role of EO for FHACC	TAS-TAS
18-Nov	10.35	Phone	Bruce Jackson	John Pauley	request to return call	TAS-TAS
18-Nov	10.37	Phone	Bruce Jackson	Kelly Psarros	inquiry re Email on trade restrictions	TAS-CW
18-Nov	14.15	phone	Kevin Ellard	QDPI	requested details re fish food processing	TAS-QLD
18-Nov	14.30	Phone	Kevin Ellard	Colin Johnston	Discussion re tracings to SA	TAS-SA
18-Nov	15.00	phone	Kevin Ellard	Kit Button	inquiry re movement of silver perch Vic to Tas	TAS-VIC
18-Nov	15.10	phone	Kevin Ellard	Damian Ogburn	inquiry re movement of silver perch NSW to TAS	TAS-NSW
18-Nov	15.12	Phone	Bruce Jackson	Julie Goodchap	reached recorded message	TAS-CW
18-Nov		FAX	SDCHQ Dir	IFS	Details of recreational angler call-in	TAS-TAS
18-Nov		FAX	SDCHQ	John Pauley	NMG briefing	TAS-TAS

## VICTORIA

DATE	TIME	METHOD	FROM	TO	CONTENT	TYPE
17-Nov	9.30	Phone	Peter Appleford	Scott Boreham	provided details re location of farms	VIC-VIC
17-Nov	10.15		John Garvin	Dean Bellingham	request to produce map of vic farms	VIC-VIC
17-Nov	10.20	Phone	Hugh Millar	Richard McLoughlin	Advice re NSW call and CCEAD meeting	VIC-VIC
17-Nov	10.22	Phone	Patricia Zimmer	Commonwealth	Details - vic participants in CCEAD	VIC-CW
17-Nov	10.25	Phone	Hugh Millar	Bailey DQA	Initial briefing and reporting responsibilities	VIC-VIC
17-Nov	10.35	Phone	Peter Appleford	Scott Boreham	list not correct	VIC-VIC
17-Nov	10.40	FAX	Fern Hames	Ed Meggitt	Technical details of fish processing	VIC- Industry
17-Nov	10.43	FAX	Kit Button	Facilitators	Copies of information requested from field investigations	VIC-VIC

DATE	TIME	METHOD	FROM	TO	CONTENT	TYPE
17-Nov	11.19	FAX	Kit Button	Charlie Vanderkruk	Request to speed up investigations	VIC-VIC
17-Nov	14.40		Kate Taylor	Annette Healy	discussion on media strategy	VIC-CW
17-Nov	15.15	Phone	Belinda Grace	Nick Rayns	request for NSW press release	VIC-NSW
17-Nov	15.43	FAX	Kit Button	Charlie Vanderkruk	Request to send team to Lake Cullulleraine	VIC-VIC
17-Nov	15.45		Kate Taylor	Annette Healy	provide input on FAQs	VIC-CW
17-Nov	16.29	FAX	Kit Button	Charlie Vanderkruk	Request for EPA testing results	VIC-VIC
17-Nov	16.35	Phone	Belinda Grace	Daphne Cohen	request for website	VIC-VIC
17-Nov	16.49	FAX	Hugh Millar	Vic Animal Health Staff	Suspicion of VHS in Australia	VIC-VIC
17-Nov		Phone	Peter Appleford	Dean Bellingham	Information for mapping	VIC-VIC
17-Nov		FAX	Peter Appleford	Scott Boreham	Notification - maps sent	VIC-VIC
17-Nov		Phone	A. Fritus	Scott Boreham	contact list for farmers and industry organisation	VIC-VIC
17-Nov		Phone	A. Fritus	Marc Ainsworth	info on recreational fishing industry in Vic	VIC-VIC
17-Nov		Phone	A. Fritus	Marc Ainsworth	update on national fishing survey data	VIC-VIC
17-Nov		Phone	A. Fritus	Duncan Worsfold	seeking advice re Tasmanian industry inquiry	VIC- Industry
18-Nov	9.15	Verbal	Fern Hames	Mike Hosking	Request for details of RA and CA	VIC-VIC
18-Nov	9.30	Phone	Fern Hames	Marc Ainsworth	Request for contact details for rec fishing bodies	VIC-VIC
18-Nov	9.30	Phone	Fern Hames	Marc Ainsworth	request for details of recfish orgs	VIC-VIC
18-Nov	9.30	Phone	Belinda Crane	Ian Peebles	seeking info re media release	VIC-CW
18-Nov	9.40	Phone	Belinda Crane	Annette Healy	Discussion re media release	VIC-CW
18-Nov	9.45	Phone	Belinda Crane	John MacEachen	seeking sign-off on Vic DPI media releases	VIC-VIC
18-Nov	10.00	Phone	Hugh Millar	Nick Rayns	discussion re NSW lab results	VIC-NSW
18-Nov	10.00	Phone	Hugh Millar	Nick Rayns	Exchange of info re situation in each state	VIC-NSW
18-Nov	10.15	Phone	Hugh Millar	Bob Biddle	advice re declaration in Victoria	VIC-CW
18-Nov	10.15	FAX	John Harkin	Kit Button	Details re Lake Cullulleraine	VIC-VIC
18-Nov	10.16	FAX	Kit Button	John Harkin, LDCC	request for action and sitreps	VIC-VIC
18-Nov	10.25	FAX	Kit Button	John Harkin, LDCC	request for info on Thompsons hatchery	VIC-VIC
18-Nov	10.33	FAX	Kit Button	John Harkin, LDCC	request for info on Lake Cullulleraine	VIC-VIC
18-Nov	11.16	Phone	Patricia Zimmer	Telecom	Telecommunication arrangements	VIC-OUT
18-Nov	11.42	FAX	Kit Button	John Harkin, LDCC	request for stock movement details-mitchems	VIC-VIC
18-Nov	12.00	FAX	Kit Button	John Harkin, LDCC	Request for action by LDCC	VIC-VIC
18-Nov	12.03	Phone	Patricia Zimmer	Richard McLoughlin	CCEAD papers will be forwarded	VIC-VIC
18-Nov	12.35	FAX	John Harkin	Kit Button	movement of Mitchem Producers	VIC-VIC
18-Nov	13.39	FAX	Hugh Millar	Vic Animal Health Staff	VHS declared in Victoria	VIC-VIC

WESTERN AUSTRALIA

<b>DATE</b>	<b>TIME</b>	<b>METHOD</b>	<b>FROM</b>	<b>TO</b>	<b>CONTENT</b>	<b>TYPE</b>
17-Nov	9.45	Phone	?	Edwards Exports	keep fish in quarantine	WA- Industry
17-Nov	9.45	Phone	?	Nick Rayns	Asking for Communication plan	WA-NSW
17-Nov	10.20	Phone	Rob Tregonning	AQIS	ban on translocation of silver perch	WA-CW
17-Nov	10.30	Phone	Rob Tregonning	Various retail outlets	Translocation ban in place	WA- Industry