

New Zealand Land Search and Rescue Incorporated

Annual Report



For the year ending 30 June 2004

Cover photograph

Search operation for two missing trampers. Arthurs Pass 30.12.03. Photographer Brian Holland.

NZLSAR gratefully acknowledges the support provided by the New Zealand Police

Contents

Annual Report	Page
Committee Membership	
Chairman's Report	3
National Field Officer's Report	8
New Zealand Police Report	10
Region One Report	10
Region Two Report	11
Region Three Report	12
Region Four Report	13
Region Five Report	15
Region Six Report	16
Region Seven Report	18
Aviation Subcommittee Report	19
Communications Subcommittee Report	19
Specialist Subcommittee Report	20
Training Subcommittee Report	23
Underground Subcommittee Report	27
Treasurer's Report	28
Financial Report	30
SAR Statistics	40
Performance Report	40
Awards	50
Publication	50
Library	51
Affiliated SAR organisations	53

NEW ZEALAND LAND SEARCH AND RESCUE INCORPORATED.

**PO Box 12081
Thorndon
WELLINGTON**

**Phone. 04-470-7247
Facsimile. 04-498-7406
Cell. 025-267-1214**

**E-mail. tristram.nzlsar@xtra.co.nz
<http://www.nzlsar.org.nz>**

Voting Members of New Zealand Land Search and Rescue Inc

Seven Regional Representatives
New Zealand Mountain Safety Council
New Zealand Police
Associate Member (Non voting)
Amateur Radio Emergency Communications

N Z Federated Mountain Clubs
Department of Conservation
New Zealand Speleological Society

New Zealand Land Search and Rescue Committee Personnel Position and Residence

Officers of the organisation.

Roscoe Tait	Chairman	Auckland
John Walsh	Deputy Chairman	Auckland
Phil Rundle	Treasurer	Lower Hutt
Paul Dale until November 2004	Secretary	Christchurch
Joe Hayes from February 2004		Nelson

Regional Representatives.

John Walsh	Region One	Auckland
Bruce Sandford	Region Two	Tauranga
Graham Thorp	Region Three	Taradale
Tony Macklin until February 2004	Region Four	Wellington
Joe Hayes	Region Five	Nelson
Brian Holland	Region Six	Waikari
Russell Carr until February 2004	Region Seven	Queenstown

Deputy Regional Representatives.

Dave Erson	Region One	Auckland
Brent Martin	Region Two	Tauranga
Warrick Price	Region Three	
John Scobie	Region Four	Levin
Rod Laurence	Region Five	Blenheim
Alan Gillespie	Region Six	Christchurch
	Region Seven	Wanaka

Subcommittee Chairmen.

In abeyance by Committee decision	Aviation	
Steve Davis	Communications	Christchurch
Tric Moller	Specialist	Dunedin
Barry Were	Training	Hamilton
Martin Grinsted	Underground	Nelson

Representatives of Organisations.

Laurie Gallagher	FMC Representative	Raumati South
Paul Dale until November 2003	Dep. of	Christchurch
Wayne Hutchinson from June 2004	Conservation	Christchurch
Gerard Prins until February 2004	New Zealand Police	Tawa
Geoff Logan from February 2004		Lower Hutt
Martin Grinsted	NZ Speleological Society	Nelson

Chairman's Report

It is my privilege to present the tenth annual report of New Zealand Land Search and Rescue Incorporated [NZLSAR]. In the ten years since the formation of NZLSAR in November 1994, the organisation has grown rapidly and achieved a tremendous amount during a relatively short period of time. NZLSAR is now at the stage where it is entering into a period of consolidation and needs to review its structure and operation.

The past year has been another busy year for NZLSAR. The number of operations during the year increased by 15% compared to the previous year. Members have responded to these callouts with their usual dedication and enthusiasm. Using their skill knowledge and experience they have provided a professional service to those who have become lost and/or injured in the outdoors. More and more our SAR organisations are being used in suburban search operations.

Committee Highlights

The national Committee held its May committee meeting at the venue for the North Island SAR Dog Assessment course at Waiotapu School Camp near Rotorua. This was the first time the Committee had held a meeting outside Wellington. It proved to be very successful as it gave the Committee members the opportunity to observe some of the SAR dog assessments and to meet members of SAR organisations from the surrounding area for a meal and social evening on the Saturday night.

A very successful combined meeting of the national Committee and Regional Chairs and Secretaries was held in August 2003 at the Police College. Traditionally this seminar has been held every on a two yearly cycle and usually in November. However, due to the success of this meeting, it was decided that it should be an annual event. This will improve communication between the regions and the national Committee and provide an excellent forum for the discussion of ideas and ways to improve the organisation as a whole.

Committee Membership

There were several changes to the membership of the national Committee during the year. Bruce Sandford joined the Committee as Region Two Regional Representative, replacing Ian Newman who resigned in the previous year. Tony Macklin resigned as Region Three Regional Representative in February 2004 and the Region has yet to appoint a replacement. Russell Carr resigned as Region Seven Regional Representative in December 2003 and the Region has yet to appoint a replacement. Stewart Cameron resigned as Chairman of the Aviation Subcommittee in August 2003. Paul Dale resigned as the Department of Conservation (DoC) representative and Secretary in November 2003 as he has resigned from DoC to pursue opportunities in the olive industry. Joe Hayes (Region Five Regional Representative) was elected Secretary at the May 2004 Committee meeting.

Police Support:

The continued support of the Police is a major contributor to the success of NZLSAR. We are grateful for their continued support and encouragement at all levels of SAR across the country. Geoff Logan, the Police National SAR Coordinator, and our Field Officer, John Tristram, work along side each other at Police National Headquarters. This close liaison and the fact that John Tristram is regarded as part of the Operational Support team at the Office of the Commissioner, has arisen from the good working relationship between the two organisations.

There were also several changes in the police staff in the Operations Group of the Office of the Commissioner. The Operations Group is the NZLSAR Committee's main point of contact with the police and this is where our Field Officer, John Tristram, resides. This close liaison is an essential element that contributes to the strength of NZLSAR.

Superintendent Neville Matthews has taken up a NZ Police Liaison position in Washington DC, USA. Tony McLeod has been appointed to the position as National Operations Manager and has been promoted to the rank of Superintendent. Tony has a background in SAR and we welcome him back into the SAR fold. Inspector Paul Brennan accepted a post with AusAid in the Pacific and Gerry Prins was appointed to his position as Manager, Emergency Management and has been promoted to Inspector. Senior Sergeant Geoff Logan has been appointed as the Police Representative on the national Committee. We offer our congratulations to the above and wish them all the best as they take up their new roles. We have a long and successful relationship with the Police and look forward to continuing this with the new team at Police National Headquarters.

Regional Committees and Representatives:

The strength of the land SAR organisation lies in the membership of the local SAR organisations around the country and in the relationships between these organisations within regions. The regional committees play a vital role in this by communicating, coordinating training, etc with the SAR organisations within their region and the adjacent regions.

As mentioned above, two Regional Representatives resigned during the year due to work commitments and replacements have yet to be selected by the respective regional committees. Regional representatives are also heavily involved in SAR at both district and local level and being a regional representative puts additional pressure on their time. The NZLSAR Committee has taken up the suggestion to have deputy regional representatives appointed to regions to assist in spreading the workload and a number of regions have appointed deputies.

The national Committee is very keen to support and strengthen the relationships between SAR organisations, especially within regions and adjacent regions. Some regions are very large and this can make it extremely difficult for members of the regional committee to get round the

regions to visit the local SAR organisations. To assist in this process, NZLSAR is allocating additional funds in the 2004/2005 budget to cover the cost of travel and accommodation for regional committee members to travel around their regions.

The Constitution of NZLSAR established five standing Subcommittees, the Chairs of which are members of the NZLSAR Committee. These Subcommittees take on the bulk of the workload of NZLSAR and generally each Subcommittee meets two or three times a year. The details of the activities of these Subcommittees over the past year are contained in the reports by the respective Chairs further on in this annual report. Without the dedication of the Chairs and members of these Subcommittees for the work that they undertake, NZLSAR would not be in such a strong position that it is at present. A summary of the activities of these Subcommittees is as follows:

Aviation Subcommittee:

With the resignation of Russell Cameron as Chairman of the Aviation Subcommittee, the national Committee considered a recommendation made by the outgoing chair that this Subcommittee should be put into abeyance as there is insufficient work to justify the position. Having considered the suggestion, the national Committee agreed to do so. Russell has agreed to maintain a watching brief on aviation issues for the NZLSAR Committee.

Communications Subcommittee:

This Subcommittee, chaired by Steve Davis, also acts as a technology Subcommittee as it becomes more involved in areas outside pure radio communications. Significant additional funding was allocated to this Subcommittee the previous year for research into GPS and Mapping Software Systems and to trial a HF Sel-Call system. This funding was separate from that allocated to the SAR research fund. Equipment has been purchased and the evaluation work is well underway. However, there is still further work that needs to be done to complete these projects. Work has also been done in developing a tracking system for dementia patients

Specialist Subcommittee:

This Subcommittee, which is made up of four working groups: Medical, Search Dogs, Swift Water Rescue and Vertical Rescue, made significant progress in a number of areas during the year under the chairmanship of Tric Moller.

Medical: As stated in last year's annual report, this group has done a tremendous amount of work in developing a number of standards and a SAR First Aid course under the leadership of Terry Patterson. Carey Dobbs has agreed to pick up the reins from Terry. The start with appointing Medical Advisers across the country has the potential to have a significant impact in lifting, even further, the standard of care that NZLSAR members can give to people injured in the outdoors. An introductory workshop was held to facilitate the appointment of Medical Advisers across the country.

Search Dog: Assessment courses were held at Tapawera (near Nelson) and Waiotapu (near Rotorua). The opportunity was taken at the South Island Assessment course to recognise the work of the members of the Search Dog Working Group by make NZLSAR Awards to Marcus Milne, Larry Charles, Andrew Peeling and Linda Pike for the tremendous amount of work they have done and their dedication to the development of Search Dogs in New Zealand. The national Committee held its May committee meeting at the North Island venue. The number of assessed search dogs has increased to seventeen, with four in the North Island.

Swift Water: This group has been reviewing the recommendations made in Graham Charles' report.

Vertical Rescue: A draft of the Helicopter Rescue Standard has been circulated. Don Bogie has generously offered to facilitate the Rescue Needs Analysis for the South Island regions.

Unfortunately Tric Moller has indicated that she will not be standing again as Chair of this Subcommittee at the August 2004 meeting. Tric has done a sterling job in keeping the four working groups enthused and motivated and on track. It has been, at times, a difficult and time consuming job. I would like to pass on my personal thanks, as well as that of the national Committee, for the tremendous work she

has done while chair of the Specialist Subcommittee.

The structure of the Specialist Subcommittee as a number of Working Groups has proved to be an extremely successful model. However, given the work load that it imposes on the Specialist Chair and the fact that these groups are now firmly established, perhaps it is time to re-examine the structure of this subcommittee.

Training Subcommittee:

The finalisation of the arrangement with SARINZ and Tai Poutini Polytechnic at the beginning of the financial year resulted in the instructor cost for approved training courses being met by the Polytechnic through the training providers. This resulted in a significant reduction in the budgeted training costs as, in the past, training consumed almost half of the NZLSAR budget. With course fees now covered by the Polytechnic, NZLSAR was able to release funds to the regions to cover the associated course casts that the regions incur when running approved courses.

There has also been a significant improvement in the courses that are offered through Tai Poutini Polytechnic. SARINZ, as the major course provider, has put in a considerable amount of work in developing a robust framework for the courses it provides, which includes:-

- Comprehensive course work books
- An assessment process
- Pre-course requirements and work

SARINZ has been able to expand the number of instructors and as a result they now have the ability to run several courses on the same weekend as well as offering a much wider range of courses. This change allows the training subcommittee to focus on broader issues such as policy, course development and content, etc. The Training Subcommittee has a direct input into the development of the Tai Poutini Polytechnic (TPP) courses with three members on the TPP Programme Advisory Committee.

Underground Subcommittee

This Subcommittee, under the chairmanship of Martin Grinsted, ran a very successful three-day national deep

cave SAREX in Bulmer Caverns, Mt Owen at the end of February 2004. A national Cave SAREX is held every three years, with the next one scheduled for 2007.

There are a number of other Subcommittees that have been established by the NZLSAR Committee to carry out specific tasks or reviews from time to time. The membership of these Subcommittees varies from only NZLSAR Committee members to a mixture of Committee members and people with an expertise in the task being undertaken. Details of these Subcommittees and their membership can be found at the back of the Annual Report. Some of the Subcommittees meet more frequently than others, depending on the need at the time.

Adviser Review:

The results of the Adviser Review survey and the recommendations of the Adviser Review Group were presented at the combined meeting of Regional Chairs and Secretaries that was held at the Police College in August 2003. The meeting accepted the recommendations presented and resolved that existing Advisers be given a period of two years to meet the criteria.

Review Group:

NZLSAR has been operating for ten years and during that time has achieved a tremendous amount, especially in the areas of training and the development of standards. The implementation the Health and Safety in Employment Amendment Act in May 2002 has put additional requirements on SAR organisations, mainly with the requirement to maintain good records of the training, assessment and experience of their members to ensure that they are capable and competent to undertake SAR operations. This raised the question about what support NZLSAR can or should provide to local, district and regional committees. The recommendation of the Review Group to the NZLSAR Committee was that a review should be undertaken of the management structure of NZLSAR, taking into account the needs of regional, etc committees. It was also recommended that this review should be undertaken by an outside agency. This recommendation was considered by the NZLSAR Committee at the November meeting and

accepted, and a provision was made for this in the budget. Preliminary discussions have been held with an organisation who could carry out the review.

SAR Statistics

Each year the SAR Statistics are published by the Police. As our end of year and the Police reporting period coincide and it takes a little while to collate and check the numbers, only some interim figures are available for this annual report. However, an analysis of the figures that are available for the past year and a comparison with previous years gives some interesting results. While the number of operations each year has been steadily rising (see chart on page 36) over the last eight years the number of hours per operation (see chart on page 37) has decreased and has been below the seven year average for the last three years. In NZLSAR's view this is a direct and real result of the training and standards for both searchers and management that NZLSAR has been promoting since its inception.

Finance:

We now appear to have reached the limit with regard to the amount NZLSAR receives from the Police as our grant each year. In the 2002/2003 we received \$239,000 plus a \$ 31,000 special once only top up. However, it was indicated to NZLSAR at that time that the figure of \$239,000 was the limit and consequently that is what was received for the 2003/2004 year against a request of \$253,950.

The limit on the amount of the grant available from the police has, fortunately, coincided with the development and implementation of the training funding arrangement with Tai Poutini Polytechnic and the training relationship with SARINZ. This has resulted in a significant reduction in training costs to NZLSAR (which had been budgeted for) as the course fees for approved courses are now met by Tai Poutini Polytechnic. Some of this saving has been made available to regions to assist with the payment of associated course costs, rather than been met from the limited funds that SAR organisations and regions have available to them. Despite this, expenditure was down for the year as illustrated in the chart on page 32

In the past, targeted training costs have made up around half of NZLSAR's expenditure. With the reduction in training costs the split has altered as illustrated in the chart on page 33.

External Audit

Slow, but steady progress has been made in working through the recommendations contained in the Brewer report on the Audit that was carried out in 2002. In an effort to make more progress, the recommendations have been re-prioritised, with those that may impact on operational capability being given a higher ranking. This will hopefully allow us to concentrate on a smaller number of items and thus make some progress over the coming year.

Conference

Planning is well underway for the second NZLSAR Conference, which will be held at Hopuhopu on the weekend of 2/2 October 2004. With the assistance of SARINZ, a number of overseas speakers have been invited to attend and give papers at the conference as well as presenting a series of pre-conference courses during the week prior to the conference. The proposed pre-conference courses and conference programme cover a wide range of topics and provide the basis of what, I am sure will be another very successful NZLSAR conference.

New Zealand Search and Rescue Council

Laurie Gallagher is our representative on the Consultative Committee of the NZ Search and Rescue Council. The SAR Council, through the SAR Secretariat is working on developing a ten year National Strategic plan for all search and rescue in New Zealand. This will provide a coordinated approach for Class III and Class II operations. The move of the National Rescue Coordination Centre to a 24/7 manned operation under the MSA with the new title of Rescue Coordination Centre New Zealand (RCCNZ) is part of this strategy.

SARINZ:

SARINZ Ltd has had a considerable impact on training over the year and provides many of the NZLSAR approved courses. They have also provided

assistance with the development of standards. A MoU with SARINZ has been drafted and is under discussion. This will formalise the arrangement between NZLSAR and SARINZ Ltd.

The SARINZ Trust has approached a number of members involved in SAR to provide input to develop a process for the SARINZ Trust to distribute funds for the benefit of SAR.

NZLSAR Awards:

Twenty five nominations were made to the NZLSAR Committee for NZLSAR Awards during the year. These were all passed by the Committee and I would like to congratulate the recipients and to thank them for their contribution to SAR. The NZLSAR Awards are important in that they are way for SAR organisations to acknowledge and recognising the significant contribution that certain members of the organisation have made to SAR, usually over a long period of time.

Thanks:

There are numerous people and organisations that deserve thanks for the help and assistance that they have given to NZLSAR over the past year. It is impossible to mention them all by name, but they have all made a valuable contribution that is very much appreciated. However, there are some who deserve special mention.

Firstly, the members of the NZLSAR Committee who not only give their time and input as members of the Committee but are also active within their Local, District and Regional SAR organisations. My sincere thanks to every one of you for your continued dedication and commitment.

To those who Chair the Subcommittees and Working groups and the members of these groups. We are grateful for your efforts in developing programmes, standards, training, etc. Without this work the organisation would not function at the level it does. It is through your work and dedication that we have managed to make such a tremendous improvement in the skills levels of our members. Thank you for a job well done.

The five organisations that assisted in the formation of NZLSAR: Department of Conservation, Police, Federated Mountain Clubs, New Zealand Speleological Society and the New Zealand Mountain Safety Council, should be commended for their continued support and assistance. The Police, in particular, continue to strongly support NZLSAR. Apart from providing an office and associated facilities for our Field Officer they also support all the SAR organisations around the country.

Thanks to our Field Officer, John Tristram, who keeps the wheels turning and spends a significant proportion of his time encouraging and cajoling busy volunteers with limited time to complete the various tasks they have undertaken for the organisation.

Thanks also to the Police from the National Operations Group, Neville Matthews, Paul Brennan, Gerry Prins and, more latterly, Geoff Logan for the support and encouragement they provide to

NZLSAR and, in particular, to John Tristram. It is this close working relationship between our two organisations that is one of the major strengths of land search and rescue in New Zealand.

The strength of our organisation lies with our volunteers, the many people who give freely of their time and energy for SAR. Each person's contribution is different, depending on their ability, skills, other commitments, etc. All contributions, no matter how small, are welcomed and valued. They all go to make up what is a unique organisation that we can all be proud to belong to. To all these people, I wish to record a very special thanks for their efforts and contributions during the past year. Without your input NZLSAR would not be able to provide the high level of service it does to the public of New Zealand.

Roscoe Tait
Chairman

National Field Officer's Report

Another full year with many "out of office" activities. A number of Regional meetings have been attended and I have found these interesting and the information I sometimes have to winkle out of people helpful. A number of letters that I send out require consideration by Regional Committees and a reply sent back. A number may have questions that need canvassing further than the people at the meeting. Accordingly if the letters I send out and the information I request is not given an appropriately wide distribution then the replies will reflect the narrowness of the considerations given. Having a Committee mailing list and sending out a few letters I would have thought no real problem. To cover the cost NZLSAR even provides a sum of money for administration.

Liaison with other NGO's has continued with regular attendance at the meetings of Mountain Safety Council and the Annual General Meeting of Federated Mountain Clubs,

Attendance at a number of SAREX's was planned. It was disappointing that three of the four SAREX's I had arranged to attend

early this year were postponed. A fifth involved a clash of dates with two other meetings and had to be forgone.

My involvement with the Bush Wilderness Search Dog Courses has continued. I spent two days at the South Island course and attended the North Island extra training weekend. I think NZLSAR can feel a real sense of achievement with the outcomes from the North Island Bush Wilderness Course held in May this year. People arrived Wednesday afternoon and the course ran through to Sunday afternoon. In attendance there were nearly 35 people from big and small towns and all walks of life. As in previous years they were again committed in their contribution to search and rescue to come for two or more work days as well as another weekend. The results with four dogs being assessed as operational were really great.

I have attended each of the NZLSAR Committee meetings held over the last year. This included the combined NZLSAR Committee/Regional Officers meeting held last August. As noted this is for Regional Officers, that is the Chairmen

and Secretaries. If a Region has issues these are the people who should best be able to present them. Conversely if there is widely held different opinion they are in the most authoritative position to present that to back their Region.

What I thought worked really well was the Committees decision to hold its May meeting at the North Island Dog Course. This was an ideal occasion for the Committee members to meet the handlers and observe an assessment taking place. A social function was arranged for Saturday evening and this was attended by some of the senior Region Two SAR personnel, which allowed further discourse for all in a convivial social setting.

Meetings of the Communication and Training Subcommittees and Search Dog Assessors have been attended. So have activities of Area SAR Organisations in places such as Hamilton, Levin, Taupo, Palmerston North, Masterton, Wellington and Motueka.

NZLSAR News continues to be published every two months. I see this as very much the SAR managers and practitioners publication. I try not to write too much as I think that it would fail if it became "a one man band". What you people submit as copy is what is printed. I have had sufficient material for each edition to have eight pages and for that I thank all who have put pen to paper and written an article or provided a photo.

In the office the last year has brought big changes. Superintendent Neville Matthews the officer in charge of the Operations Group took up a post in Washington DC. Inspector Paul Brennan in charge of Emergency Services took up a position in Samoa. Gerard Prins as National SAR Coordinator gained promotion and took over from Paul. All these people have played a substantial part in my recent working life and I would like to express my gratitude and extend my best wishes to them. Tony McLeod gained promotion to the rank of Superintendent and picked up the reigns from Neville. Some years ago when I first started in this job Tony was the Inspector I could go to when I had a problem. We both went on one of the early TCA1 courses and he may have been a great help behind the scenes in

gaining Police acceptance of the EML courses. Geoff Logan has the job of National SAR Coordinator. Geoff has spent a number of years involved in SAR and has recreational interest in the outdoors. I believe both Tony and Geoff are understanding and sympathetic to the contribution given by and the needs of the volunteers

This year has seen the resignation of four Committee members. Stewart Cameron with a very young family felt the understandable need to spend more time with them and so resigned from the position of Aviation Subcommittee Chairman. Tony Macklin due to work pressures has stood down from all involvement with SAR including the role of Region Four Representative as well as the position of being one of the Wellington Advisers. I spent quite a lot of time driving up to the Regional meetings with Tony Laurie Gallagher in the car solving many of the problems of the SAR world. Russell Carr has stood down as Region Seven Representative but with all the operations that seem to occur will still be heavily involved at the Area level. Paul Dale, the Department of Conservation Representative, resigned from the department; I heard to take a deeper interest in growing olives. I think NZLSAR is going to miss his good sense approach to SAR, I know I am. To all four I would thank them all for their past help and wish them all the best for the future

As well this year a number of Police have stood down from the SAR portfolio. At the risk of missing out others from around the country, three in Region Four who I had frequent contact with and who I will miss are Andy Warnes, Phil Pollero and Robbie O'Keefe.

Finally to all the others in the Office of the Commissioner who make each day even brighter and to all the SAR people around the country who I have got on so well with this last year - great. To those with whom the relationship has got a bit bumpy - it may not be my fault it could be that I was doing as I am told. To you all, many, many thanks and I look forward to continuing the working relationship.

John P Tristram
National Field Officer

Police Report

This is my first annual report as the Police Coordinator for Search and Rescue.

The annual statistics are being compiled for the 2003/2004 business year. I will be presenting a copy of the annual statistics at the Annual General Meeting.

Police see NZLSAR as the agency with the prime responsibility for volunteers, training and standards. The MoU between Police and NZLSAR clearly sets out our relationship and responsibilities. SARINZ are now the principal provider of training for NZLSAR. They also advocate a role in research and development. NZLSAR, as an organisation, are benefiting from the relationship with SARINZ. I hope NZLSAR members will be able to avail themselves of training offered and will find some spare time to be in the hills for R & R as well as SAREX's and SAROP's.

It has been a busy year for the police in search and rescue and the relationship with NZLSAR. Highlights include:

- In the last Police Annual Report the issue of Standards was raised with a request for the Team Member and Team Leader Standards to be developed. This has now occurred. Discussions with the Department of Labour have facilitated a better understanding of their expectations and our joint efforts will continue to ensure we maximise the safety provided for the people who are involved in SAR
- A new era in search and rescue governance has occurred with the development of the New Zealand SAR Council. The strategic plan for the

Council is currently being ratified and we should see greater cohesiveness throughout the greater SAR community.

- The Police statistics form, the P130 has been revised and is now an electronic document. We should be able to use the forms to retrieve data of interest and relevance to us more readily than in the past.
- As I write we're counting down to the RCCNZ becoming operational and see the beginning of a new era in Class III searches. The RCCNZ will now be staffed 24/7 with two persons, in a high tech environment. Whilst we have new systems and procedures to work with, the new environment should enable an efficient and effective SAR response that keeps pace with technology.

Police appreciate the extra time and effort volunteers put into SAR. From those who search in operations, those who form part of Incident Management Teams, those who do research and training in their specialist fields and the numerous other tasks that are completed to provide an efficient and effective service to those who require assistance.

I have enjoyed meeting people over the past five months and hope to meet those who I have not yet met in the months to come. Hopefully we can work together to ensure we continually improve our response to those in need of SAR.

Geoff Logan

Police Coordinator, Search and Rescue

Region One Report

The members of the Region One Committee are:-

John Walsh, Auckland, Chairman, Regional Rep.

Roscoe Tait, Auckland, Secretary/Treasurer.

Grant Conaghan Whangarei.

Mark Hall, Auckland.

Glen Hawke, Whangarei.

Roger Ladd, Kerikeri.

Cliff Metcalfe Whangarei.

The membership of the three SAR Groups is as follows: Auckland (FIRST and Line Rescue Team) 54, Northland 25, and Far North 18.

The year has seen a steady flow of SAR incidents for the three Groups at times, with more urban searches noted than in previous years. Probably the highlight for the year was the involvement of the Auckland Group in the Cure Kids charity Great Adventure Race through the Waitakere Ranges. This was an exciting opportunity to parade the team's skills and challenge the IMT with the sheer scope of the event.

No Regional meetings occurred over this year, but the two northern Groups have been contacted by phone and email on a regular basis.

Training has been constant throughout the Region, although attendance at training is not always as good as the organisers would hope for. There is a problem in maintaining the interest of more experienced members who are happy to attend callouts, but not necessarily all training offered. The Region is planning a Regional SAREX later in the year, for which there is a lot of interest.

The appointment of a deputy Regional Representative (Dave Erson) has helped spread my workload, and fits the succession principle very well.

The principal issues over the year have been:

- the need to maintain enthusiasm over periods of SAR inactivity due to the more proactive role of the Police SAR squads,
- the habit of some rest home managers of "sitting" on the news of a missing patient for too long before notifying the Police,
- the problem, particularly in the Far North of not being able to recruit people with good basic skills,
- attendance at training sessions could be improved.

In conclusion, I offer my grateful thanks to all of the SAR people and their partners and families, for the magnificent efforts and successes over the last year.

John Walsh
Region One Representative

Region Two Report

The members of the Region Two Committee are:-

Tiena Jordan, Whakatane, Chairman
Brent Martin, Tauranga, Secretary/Treasurer.
Bruce Sandford, Tauranga, Regional Rep.
Roger Bates, Turangi
Kevin Cannell, Opotiki
Jim Corbett, Thames
Rob Duncan, Thames
Steve Hayman, Hamilton
Gary Hose, Waihi
Cliff Jones, Turangi
Hoann Katting, Rotorua

Russell Lamb, Hamilton
Colin McKenzie, Waitomo
Max McLean, Waihi
Debbie Robertson, Taupo
Audrey Sandford, Tauranga
Barry Shepherd, Taupo
Charlie Smart, Waitomo
Dave Thompson, Tauranga
Barry Were, Hamilton
John Wilson, Rotorua

After a rough start (health wise) to my position as the Region Two Regional Representative I am now starting to come to grips with the role (I hope) and the where fore's and what fore's needed to get information in and out of the Region's Area Organisations. I am continuing to have feedback problems with three Areas within Region Two. For reasons known only to

themselves these areas very rarely reply to emails or phone call requests when I require information regarding training, callouts and member numbers etc. as requested by NZLSAR, or our Region.

The areas concerned are Opotiki, Whakatane and Rotorua. I have recently sent an email stating that until I receive

this information they are now not entitled to claim reimbursement from NZLSAR for any training costs. I realise this may seem a little heavy handed but I get rather tired trying to liaise with these areas and getting no response.

As a whole the Region has been busy with searches, training, the up and coming Conference in October this year, and a display at the National Field Days in Hamilton. Turangi and Taupo are the areas getting the most callouts, averaging about 1 a week.

I have also taken on the role as Region Two's Training Coordinator. There are a few bugs in this job as well and I hope to sort these out at our next Regional meeting.

Courses run in the Region over the last year are:- TCA 1 & 2, SM, MLSO, 4x4, F

Rope TUMONZ, Team Leader and refreshers on most of the above. Most courses have been full, except for a problem with two courses run by Rotorua where within the same week both courses had only about 5 attending. The Areas are starting to liase better within the Region to fill the courses.

The 2004 Conference is coming together nicely even though there have been some concerns as to the venue, cost of registration and accommodation, but these are all being reviewed to make the event as cost effective for the NZLSAR members as possible. Sponsorship and display stands are filling up with a large variety of different companies. The conference committee has done lots of great work.

Bruce Sandford
Region Two Representative

Region Three Report

The members of the Region Three Committee are:-

Dave Withers, Chairman, Wairoa
Tom Dalton Secretary Wairoa
Ross Berry Treasurer, Napier
Graham Thorp Regional Rep, Napier
Moera Brown, Gisborne
Brian Burgess Gisborne
Brian Cochrane, Gisborne
Nick Coyne, Tolaga Bay
Chris Flood, Wairoa

Dennis Foster, Gisborne
Frank Martin, Wairoa
John Montgomery, Napier
Maurice Morton, Wairoa
Jock O'Connell, Wairoa
Peter Renshaw, Gisborne
Luke Shadbolt, Hastings
Nigel Stilwell, Napier
Mike Wright, Napier

The above is a list of the people who have represented the Region in respect to SAR matters over the past year. I trust that I have included all those who have participated in the organisation and apologise to anyone that may have been missed. We are indebted to all these people for the extra time and effort they have put in to enable the system to continue to work efficiently

The main event for the year was a weekend training course that was organised by Wairoa SAR and attended by sixty people from throughout the Region. It proved to be an effective way of providing refresher training in what is regarded as the key elements of SAR. A couple of areas were also covered that haven't been part of NZLSAR's approved courses. Wairoa courses have the added

advantage, that you also get to learn many of the basics of non SAR related outdoor skills. Living off the land can take on a whole new meaning when you have experienced one of these exercises.

It was good to have a first rate turnout on the Wairoa exercise especially when you consider we ended up having a clash of courses on the same weekend. Rachel Heywood, a very keen dog handler from Central Hawkes Bay, did a great job of organising and running a North Island search dog training and refresher course. It was held at Riverlands Station on the banks of the Mohaka River in Northern Hawkes Bay. The course was developed with encouragement by the Specialist Subcommittee Chairman Tric Moller to maintain the impetus for the North Island people who needed support to undertake

an on going training programme. Tric also persuaded the NZLSAR Committee to provide some funding for the event. One course in 12 months was considered to be insufficient to maintain an effective programme for new dogs in their early development.

The course was well attended with representatives from many parts of the North Island. Trainers were brought in from around the country and a couple of us provided some local support during the doggy rest periods on the first day.

From a different perspective, each Group within the Region has been looking at their needs based on the work (current & historical) that may be required in their operational area. The process still needs some fine tuning and understanding of what a needs analysis really means (some overseas views have confused the definition) but it has helped to crystallise our thoughts on what is important to the Region and what isn't. It has definitely highlighted which aspects of NZLSAR's training courses and programmes are pertinent and which are of less importance.

In terms of the results of a needs analysis, it must be stressed, that each Area must have skills based on their needs. It should be acknowledged that, the skills that may be required for an Area or Region may, or may not, be required for other Areas and vice versa. Fortunately it is helping to confirm our long term view of where our focus needs to be. Having completed all the approved courses offered by NZLSAR we are once again concentrating on the tried and true methods that have worked

so well for us in the past, albeit with some fine tuning to cover the needs of 2004 and beyond.

The most pressing problem in the Region is not SAR related or skill related it's the availability of people at a moments notice. Having a relatively small rural urban mix, most people are multi-skilled and are heavily involved with their day to day work. Local businesses have cut overheads and staff to a minimum and there are few people around who have the ability to front up as soon as the balloon goes up. I guess it stands to reason that the key people required for SAR are also the key people in so many other areas of life and hence, they can't immediately stop work and run out the door when some one decides to get lost.

Overcoming this problem will require a lot of work on our part but we can't do it without strong support from both NZLSAR and the Police. Much has been written on the subject from this Region but to date no initiatives have been forth coming. I have looked at solutions but recent trends in NZLSAR's development have not been helpful. A two fold approach is needed. The first requires some guarantees from the system that people will not be rejected in the future if they put the effort in now and the second is the development of partnerships between Police, volunteers and key employers. The situation is close to critical in parts of the Region and we look forward to support both on the ground and with the practical application of policy.

Graham Thorp
Region Three Representative

Region Four Report

The members of the Region Four Committee are:-

Warrick Price, Levin Chairman
Rod Smillie, Taranaki, Secretary
Sheryl Turner, Levin Treasurer
Tony Macklin, Regional Rep.
Wellington, resigned 02-04
Darcy Forester, Wanganui
Peter Finucane, Waimarino
Laurie Gallagher, Wellington Training
Coordinator

Jean Garman, Palm North
Murray Johnston, Masterton
Dave Kerwin, Wanganui
Bill Nicholson, Palm. North
Robbie O'Keefe, Taranaki resigned 01-04
Matt Prendergast, Taranaki

Committee membership. Due to work pressures Tony Macklin felt obliged to step down as Regional Representative in February. It was with regret the Committee accepted his resignation as he had worked hard for those involved in SAR both on the national Committee and within the Region. Robbie O'Keefe also stood down as the Taranaki SAR Coordinator and he is another whose wisdom we will miss at the Regions meeting.

Region meetings. The Committee after considering a number of options decided to change from four meetings a year to three. These are now held after the national Committee meetings as the information flow is far greater and it allows matters to be dealt with quicker. A disappointment of the meetings has been the attendance. The volunteers from some SAR Organisations have not taken the opportunity of attending and there has been a Police presence at only one meeting. I believe the meetings have been a vital conduit for the dissemination of information both from the national Committee and for the Regional Representative to take back. A full attendance at the meetings can only be to the advantage of the Region.

Training. The 2003-2004 year saw major changes to our training opportunities. The development of a partnership between SARINZ and Tai Poutini Polytechnic allowed SARINZ courses to attract government funding through the polytechnic, resulting in a significant income stream for SARINZ so that they did not need to charge NZLSAR for their training services. This left NZLSAR with a surplus over budgeted training costs, which could be used to subsidise Regional courses and offset costs of venue hire, accommodation, and catering. And thirdly, SARINZ has been increasing its number of trainers, so that a much greater number of courses can now be run in a 12 month period. With the Region no longer restricted to four courses per year Region Four ran 13 SARINZ courses between July 1 2003 and June 30 2004.

Many SAR Organisations within the Region have taken advantage of the opportunity, and booked additional courses with SARINZ. This has effectively reduced the workload of their traditional

volunteer instructors. Some organisations are yet to take up this opportunity, and we will encourage this in the next year. The lack of participation is possibly due to poor communication about the available courses, and would be improved if those organisations were better represented at Regional meetings.

With NZLSAR now reimbursing up to \$30 per head per day for attendees on Regional courses, the workload in sending out invoices and collecting money from participating SAR Organisation has reduced considerably. In addition, Districts needing particular training are able to book it directly with Tai Poutini Polytechnic, and set up their venue and facilities themselves, which has made the task easier for the Regional Training Coordinator. However, organisations were reminded that to be eligible for NZLSAR funding, courses must be approved by the Regional Committee, so it is important they discuss their requirements with the Training Coordinator before booking their courses. This has not happened with all courses run this year, and possibly not all courses were reimbursed.

Dogs. Training of both the search dogs and their trainers has continued but at a faster pace than previously. Handlers are become more involved operationally and non operationally in SAR activities in Taranaki, Manawatu and Wellington and a TCA1 course was organised by members of Central Search Dogs themselves just to get up to speed on this requirement. A real highlight was Nathan Field and Nix becoming operational at the North Island Assessment Course held in May this year.

Appreciation. I would like to thank all the members of the Region Four Committee for the time, expertise and energy that they contributed. In particular I would like to note the contribution of Laurie Gallagher as the Regional Training Coordinator. His efforts made many of the 13 Regional training events the success they were. Rod Smillie our Secretary. Timely writing up of the meeting minutes and the distribution of them and the various papers that arrive at his post box is vital to the success of the Regional Committee. Sheryl Turner who as Treasurer keeps our accounts in such a professional manner. Many thanks to you all.

Region Five (Tasman) Report

The members of the Region Five Committee are:-

John Scobie , Blenheim, Chairman	Bill Dowle , Kaikoura
Leanne Edwards , Secretary, Nelson	Mike Fitzimmons , Nelson
Eric Macdonald , St Arnaud, Treasurer	Hugh Flowers , Nelson
Joe Hayes , Nelson, Regional Representative	Mike Irvine , Blenheim
Ian Watts , Nelson, Regional Training Coordinator	John Jellyman , Motueka
Paul Rennie , Blenheim, Communications Coordinator	Robin Manera , Haast
Peter Adams , Kaikoura	Keith Morfett , Hokitika
Sarah Brewer , Motueka, Cave	Greg Pickford , Nelson, Cave
Ross Cocker , Westport	Ian Selwood , Greymouth
Wouter de Maat , Takaka	Russell Tucker , Nelson
Sean Judd , Reefton	

During the year, we held four Regional meetings in Reefton which is central to the large geographical area the Region encompasses. These were face to face meetings which start midday on Saturday and finish midday on Sunday. This allows people to attend the meeting to deal with issues and mix socially with fellow SAR people from other areas. Region Five has found this a winning formula in bringing excellent cooperation between groups. The Region pays for accommodation and meal costs.

Training has been a big part of the Regions endeavours to bring both efficiency and safety to our volunteers and a speedy and successful location of our customers.

During the last year we held three Alzheimers courses with Bob Koester, TCA1 and TCA2 courses, Search Methods, Vertical Rope courses for the Cavers and Alpine people, Foundation Rope, Search Methods, several 4WD driver training courses for the volunteers and Police SAR Squads and two 40 hour MLSO courses.

Russell Tucker has been instrumental in developing a tracking device for Alzheimers sufferers which is nearly finalised. Funding for this is will be through local community groups. Searches for these people are occurring more and more each year.

The South Island SAR dog training and assessment course was held in Tapawera, near Nelson late last year. This was attended by dogs and handlers from around the South Island and was very successful. The Chairman of NZLSAR Roscoe Tait and the National Field Officer John Tristram attended. Roscoe presented NZLSAR awards to four Assessors at the end of the course. Tric Moller, Chairman of NZLSAR Specialist Subcommittee, was also on hand to view the great work she does in this field. This course assessed another two dogs as operational in our Region giving a total of five operational dogs. A highlight was Larry Charles gaining operational status for his second dog Wulf.

A big thank you goes to Karen King and Linda Cook (and team) from Marlborough for their development and drive in moving Tasman forward in the technology world. These ladies are tops in their field and are very willing to share their knowledge and train other people in the Region.

Another valuable resource we have is the White Water Rescue Team located in Hokitika. These are a group of highly skilled people ready to respond willingly to any water incident when required. The higher the river level the bigger the smile. Thanks Keith, Andy, Sam and team.

We now go further south to Fox Glacier to the soon to be recognised Tasman Alpine Cliff Rescue Team. Another group of highly skilled people who are ready to

respond anywhere when required. Several members of this group were used in a search behind Nelson late last year to locate and retrieve a tramper missing for seven days. He was found injured in a very steep bluff environment, described by an experience SAR Sergeant as "tiger country"

Operations during the year total approximately 146 land SAR operations with most having less than a 24 hour operational period.

A couple of these turned into significant searches involving a big commitment of time from volunteers and Police. At one point early this year, on the West Coast, there were seven searches in five weeks. Unfortunately three resulted in fatalities with a kayaker drowning, an elderly male falling in the bush and hitting his head and a tourist leaving the road and going into the sea. We also had some great success stories and the one mentioned earlier in Nelson is a true testament to the determination and training of both the Field and Management Teams.

Again I thank the cooperation of the Tasman District Police for their input and support. It is this close working relationship we have that is one of the strengths of search and rescue in Region Five. The SAR squads are always willing

to work and attend local training with the volunteers, the District Commander knows and values the volunteer input. The SAR Coordinator Insp Hugh Flower and Assistant SAR Coordinator Russell Tucker are very mindful of the searchers welfare and needs when an operation is on. Region Five looks forward to continuation of this close association and team work.

It is hard to know where to stop when thanking people. Earlier I mentioned some skilled resource groups but the major resource we have are the volunteers who willingly accept the phone call during the night or early hours of the morning and turn up equipped to enter the hills to help someone in distress. To you people, I thank you sincerely for the time and commitment you put into SAR in the Region. Also to your families who allow you the time to help others in distress and also to the many generous employers who allow their workers time to attend to these incidents.

To the people involved both at local and regional committee level, thank you very much for your input. It is recognised as one of the reasons Tasman is moving forward in the industry that serves the community.

Joe Hayes
Region Five Representative

Region Six Report

The members of the Region Six Committee are:-

Rod Lawrence, Christchurch. Chairman.
Brian Williams, Tekapo. Dep. Chairman
Dave Saunders, Christchurch. Secretary
Gordon Hassle, Timaru. Treasurer
Brian Holland, Waikari. Regional Representative
Don Geddes, Methven. Regional Course Coordinator

Gary Brehaut, Timaru
Steve Davis, Christchurch
Dave Gaskin, Timaru
Phil Simmonds, Christchurch
Peter Summerfield, Christchurch

Another year has passed and we are building on the recent changes that have taken place with the advent of SARINZ, Tai Poutini Polytechnic provided training, training standards in most fields of SAR, IMT training and with the introduction of new I & T for running searches. Our Region is comprised of the North Canterbury Area centring around

Christchurch and the South Canterbury Area which is based from Timaru.

Meetings: Meetings are now being held in Ashburton with the venue being the Ashburton District Council. This is very central with most of the Committee being at Timaru and Christchurch except for a couple whom have to travel a little further. Thanks to the Council

and Don Geddes for making the venue available. Council meeting rooms are very comfortable.

The meetings held were:

- Ashburton 08 July 2003 (AGM and Ordinary meeting)
- Ashburton 09 December 2003
- Ashburton 09 March 2004.
- Ashburton 06 July 2004 (Postponed because of SAROP)

We were about to hold our AGM on the 06 July 2004 at Ashburton when a SAROP intervened and this meeting was postponed. This was the successful operation where two trappers were rescued from the alpine area of Temple Basin in Arthurs Pass.

Rod Lawrence was elected to the chair for the past year and the immediate past Chairman Gordon Hasell coincidentally took over Rods old job as Regional Treasurer. Otherwise the Committee remains much the same. Thanks too, for the attendance of National Field Officer John Tristram at couple of our meetings.

Training

Regional Courses held over the last year:

Date	Training	Venue
05/06 July 2003	SAR CIMS 2 day	Glentui
20 July 2003	Alzheimers	Ashburton
27/28 Sept 2003	Tracking Refresher	Oxford
18/19 Oct 2003	Search Methods	Oxford
22/23 Nov 2003	TCA	Methven
14/15 Feb 2004	Suburban SAR	Kaiapoi
13/14 March 2004	TCA	Glentui
20/21 March 2004	TUMONZ	Christchurch
03/04 April 2004	Intermediate Ropes	Timaru
17/18 April 2004	Search Methods/ Alzheimers	Methven
08/09 May 2004	Search Methods	Mt Hutt
09/09 May 2004	TCA	Mt Cook
12/13 June 2004	TCA	Glentui
26/27 June 2004	TCA	Glentui

With recent changes in training with SARINZ and Tai Poutini the availability of courses has increased and the above table indicates a marked increase in the number of courses compared to the last year.

SAREX's were held in both Areas and are a valuable training weekend for both field team members and management personnel. The

SAREX in the Arrowsmith's in Mid Canterbury was the first time that we had really applied the new technology and it also advanced our Regional IMT training. We were fortunate enough to have Karen and John King visit from Marlborough who both assisted the SAREX with their knowledge and expertise.

Land Operations: 02/03 60, 03/04 85

Significant Operations for the 2003–2004 year.

Date	Location	Reason
25.10.03	Mt Cook	Injury – trapped for three days
24.12.03	Mt Cook	Four Latvian climbers fall to death
27.12.03	Arthurs Pass	Two women found after long search
31.12.03	Mt Cook	Four climbers died – two survive
05.02.04	Mt Cook	Romanian climber falls to death
30.03.04	Mt Cook	Australian climber falls to death

Mt Cook as usual figures high in the Region Six statistics with quite a number of fatalities this year. The operations involving injuries were also quite significant. The longest operation this year was the search for two missing women in the Arthurs Pass area. This

search duration was about five days with a very successful outcome after the lost party had been stranded on a very steep rocky face for about nine days. Most other ops were of a short duration and resolved themselves after initial response.

General.

The SAR organisation is only as strong as the effort the members put into it. On the whole SAR is in the main made up of volunteers. SAR cannot survive without the input of volunteers. It would greatly assist the volunteers if we were to get the concept of paid employees into action as proposed some years ago. The model demonstrated and proved by the Tasman area works well and should be copied in other Regions.

I would like to thank the Regional and District Committee for their support, especially Rod Lawrence our Chairman, Dave Saunders our Secretary and Gordon Hasell our Treasurer and for the input of the rest of the Committee. Thanks to the National Committee and especially John Tristram who is an excellent administrator. There is many hours of keen voluntary effort made by a core of dedicated personnel that makes land search and rescue in New Zealand what it is today.

Brian Holland
Region Six Representative

Region Seven Report

The members of the Region Seven Committee are:-

Dave Robertson, Dunedin, Chairman
Alan Gillespie, Wanaka, Deputy Chairman
Glenn Mitchell, Dunedin, Secretary/Treasurer
Russell Baird, Alexandra, AREC
Bruce Calder, Dunedin
Russell Carr, Queenstown
Tony Chittock, Balclutha
Snow Dance, Roxburgh
Mark Davies, Balclutha Police

Peter Garden, Gore
Fraser Jackson, Te Anau Police
Bill Olsen, Area Manager AREC
Cyril McFadgent, Gore
Andrew Pealing, Dunedin
Dave Rowan, Ambulance
Terry Richardson, Police
Bruce Smart, Invercargill Police
Jon Von Tunzelman, Fiordland SAR

The Southern Regional Committee has met three times during the year, with good representation from throughout the Region. A sign of the good health of the Region is that almost every local committee is represented, and a further sign is the high level of support given to the Regional Committee by the Police, and St John's Ambulance.

While final statistics are not yet available, the Region has performed an estimated 177 significant operations during the year. The bulk of these occur in the Wanaka, Queenstown, and Te Anau areas. There were two major operations that attracted considerable media interest. These were the unsuccessful search for a helicopter and two crew missing in the Upper Hollyford area of Fiordland which involved 2260 searcher hours and 250 helicopter hours, and the extended search for an overdue tramper in Mt Aspiring National Park.

Over the year a full complement of training courses and exercises have been operated within the Region, and these have occurred on top of the regular workload of SAR operations. Of note is our first four-day Managing Land Search

Operations within the Region. This allowed us to get sixteen SAR managers through the course without having to sacrifice a week to attend the same course in Wellington.

SAR Operations in the Region continue to make extensive use of helicopter support and as a number of observers have commented, it is a credit to the professionalism of all concerned that so many multi-agency operations run so smoothly. We are fortunate to have other agencies supporting us by offering non-operational helicopter time, as NZLSAR still does not have the means to provide this essential safety training. The publication of a national standard for helicopter operations is a highlight of the last 12 months, as this is the first step towards forming a national strategy regarding helicopter operations.

The Region reluctantly accepted Russell Carr's resignation as our Representative to the National Committee. Russell is one of the most experienced SAR Advisers in the country and his input to the national decision making process was invaluable.

The Region appreciates the efforts made by the National Committee to enable our elected Representative to attend its meetings.

The Committee's thanks goes to all those throughout the Region who contributed

their time, experience and skills in order to provide an effective SAR service.

Dave Robertson
Region Seven Chairman

Aviation Subcommittee Report

In abeyance by a decision by the NZLSAR Committee

Communications Subcommittee Report

The members of the Communications Subcommittee members are

Steve Davis, Christchurch, Chairman.
Rex Aubrey, Wellington, Police.
Ian Gardiner, Christchurch, NZLSAR/Mountain Radio Service.
Matthew Lloyd, Lower Hutt.

Jeff Sayer, Upper Hutt, AREC.
Ross Thompson, Auckland, FMC.
Graham Thorp, Taradale, NZLSAR.
John Tristram, Lower Hutt, NFO.
Terry Waghorn, NZLSAR.

The Subcommittee awaits a new representative from the Department of Conservation.

In the past year the Communications Subcommittee has continued to review communications equipment and policies for NZLSAR and maintains a watch on technologies that could be useful operationally. My thanks go to the team on the Subcommittee for their continuing efforts for NZLSAR.

Meetings

We have held two face-to-face meetings during the past year. The first meeting was in August last year, and the next was February this year. Full agendas and active discussion ensures a full and productive day at these meetings, which is also the focal point of much of our activities.

Radio Equipment

We again did not get an allocation of funds for Radio Equipment for SAR from the Police budget for this year, so our plan for new Ground-to-Air equipment, a small number of additional hand-helds and some HF equipment could not be purchased. We are hoping that this year we will get the allocation from the entire three year plan we submitted.

As a consequence of the Police having indicated that the old VHF Frequencies

based on CD12 will no longer be licensed after March 2004 we have been working on plans for replacement channels and a fixed repeater policy. The new channel plan is available elsewhere in this Annual Report. This channel plan also takes into account the fixed repeater policy and a move toward CTCSS access for fixed and portable repeaters. The Police SAR Handheld radios are currently going through a reprogramming and maintenance program, and in the near future the repeaters will also be reprogrammed for the new channels, and to allow use with CTCSS On or Off. More details will be available soon. As CD12 is no longer licensed, all SAR radios and Repeaters should be moved off of the CD12 channels ASAP. The fixed repeater policy and application forms are available on the NZLSAR Web page – see <http://www.nzlsar.org.nz/comms/vhfradios.html>

An audit and maintenance check of Police SAR HF radio equipment is underway to determine what equipment is still operational and where it is located. From that we can make plans for future purchases. The older TR-105 and Condor/Codan radios are no longer available and spare parts are only available from other radios in the pool. Police IT will arrange for repairs out of the pool of spares where possible. If there is an urgent need for additional HF radios in

any area then let us know and we can try and get some replacements from other areas until new radios can be tendered for and ordered. While use of HF may not be so popular due to the success of the VHF Portable Repeaters and Handhelds, it is still the primary means of communications for SAR in the back-country and should be issued at all searches in the back country at least as a backup.

Work continues on evaluating and developing systems for tracking search teams automatically using GPS via radio. Some trials have been done with portable Direction Finding systems for locating PLB/EPIRB/ELT and also for tracking dementia patients wearing a transmitter pendant.

See <http://www.nzlsar.org.nz/comms> on the NZLSAR web site for various communications and technology information relating to SAR.

Electronic Maps

NZLSAR supports TUMONZ as a useful Mapping tool for Search Management. It has many useful features, and NZLSAR are working with the developers to get special deals for a SAR package and provision of updates. We are working with the developers and government agencies to see if we can make the 260 series topo map images available in TUMONZ for Police/SAR use. The updates in Version 2 include a number of features that have been added specifically for Search and Rescue. Image files of Topo Maps and Ortho Photos for use with GIS software are available to SAR groups for SAR applications. For more details or to request files send an email to sarmaps@z12ucx.gen.nz

Conference

There will be a number of presentations at Conference relating to communications and technology, so it will be a great time to catch up on more details of some of the advances that are being made.

World Wide Web and Email

We are still keen to see a greater use of the NZLSAR Web Pages to provide more details of NZLSAR activities at the national Committee, and Subcommittee level to members with Web Access. Much information is available there now and we encourage all members to check it from time to time. We would also like to encourage more information from Regional, District and Area Committees or Groups published on the site as well. Please keep me posted with any material that may be suitable for publication to our wider membership and to the public at large to raise the profile of NZLSAR and its activities.

Further updates to the Web Pages are planned for the near future, including some provision for Special Interest Groups and Email Discussion Lists.

We also encourage the use of the sar@yahoogroups.com email list as a forum for discussion of SAR topics and dissemination of news and items of interest. It has been lively from time to time, but is quite dormant at other times. It would be good to see this active at all times.

Steve Davis

Chairman, Communications Subcommittee

Specialist Subcommittee Report

It is with mixed emotions that I am compiling my final annual report as Chairman of the Specialist Subcommittee. With increasing demands on my time outside of SAR I will not be seeking re-election in August. Over the last three years the working groups within the Specialist Subcommittee have established themselves into enthusiastic, focussed, committed groups of talented individuals who are a credit to NZLSAR and whose

projects will have significant positive outcomes for the SAR community.

All groups have met formally at least once, with regular electronic and telephone communication ensuring an optimal team approach to activities.

Search Dogs

Bush/Wilderness Dog Courses have been successfully conducted in both the North and South Islands. Open invitations to

local SAR personnel and National Committee members to attend these courses to observe has resulted in an increased awareness of the level of commitment and professionalism search dog personnel undertake to become operational. With a policy of rotating venues for these courses, ongoing liaison with the NZ Police Dog Section is also being developed nationally.

With course participant numbers doubling over the last two years an increase in the number of national assessors has also been necessary. Currently the National Assessor Panel stands at seven with a further appointment to be made at the August National Committee meeting.

The level of dedication in terms of instruction, advice and support freely given by senior dog handlers and assessors can not be understated. NZLSAR Awards received by Markus Milne, Linda Pike, Larry Charles and Andrew Pealing in November 2003 were recognition of their outstanding commitment and contribution to SAR dogs over the last 10 years.

Currently the national total of approved operational dogs for ground and air scent stands at seventeen. Four of these dogs are North Island based (a one hundred percent increase in twelve months).

National Search Dog Assessors

Larry Charles, Murchison, Tracking
Mathew Dodd, Nelson, Wilderness
Brian Heward, Wanaka, Avalanche
Markus Milne, Dunedin, Wilderness
Linda Pike, Christchurch, Wilderness

Medical

The primary focus for this group has been the development of the Medical Adviser concept with an introductory workshop being held for interested Medical Practitioners in March 2004.

From the limited number of nominations from Regions it appears there are barriers to SAR personnel approaching Medical Officers to assist as Medical Advisers. Initiatives planned to better facilitate this relationship include a presentation at the National Conference and interested medical personnel making approaches to SAR Districts.

Avalanche Dog Courses continue to be held annually. Due to inclement snow conditions courses were held in both the North and South Island last year with seven dogs achieving operational status. One of these dog teams has subsequently moved to Canada where over the northern winter they were reassessed and graded operational for avalanche search and rescue. A positive affirmation of the NZLSAR Dog Team Performance Standard reflecting international practice.

A list of operational dog teams including protocols for requesting dog teams from other Regions is available on the NZLSAR web site and is distributed to Regional Secretaries.

The development of NZLSAR Dog Team Performance Standards, national training and assessment courses have all assisted to improve the national image of search dogs however there is still room for improvement in terms of a national identity. While often referred to informally, no formal group "NZLSAR Search Dogs" exists as such but it could and it may have as many advantages to NZLSAR as it would for NZLSAR Search Dogs. Developing this concept will be the challenge for the next 12 months.

Andrew Pealing, Dunedin, Wilderness
Simon Trotter, Christchurch, Avalanche
Brent McDonald, Arrowtown, Avalanche, Tracking
Iain Watson, Palmerston North, Tracking

Currently there are several medical officers fulfilling the role of Medical Adviser in their respective Districts. Districts and Regions are encouraged to formalise this process as per the Medical Adviser Standards so a database of Medical Advisers can be compiled for use at an Area, District, Regional and National level.

As a resource available to SAR, Medical Advisers will not replace medical initiatives that have historically been utilised. However, their involvement can promote positive outcomes for both the missing or injured parties and the SAR personnel

planning and delivering patient care in the field.

During the year Terry Patterson resigned as Chair of the Medical Working Group. His enthusiasm, passion and attention to detail have been major influences in the

Members of the Medical Advisory Working Group

Carey Dobbs, Auckland Chairman
Dr Mike Brewer, Motueka
Dr Hamish Dunn, Christchurch
Glenn Mitchell, Dunedin
Dr Dick Price, Timaru

tasks undertaken and completed by this group over the last three years and he will be sorely missed. Carey Dobbs has agreed to take over the Chair of the Medical Working Group with Drs Jenny Visser and Dr Dick Price coordinating the Medical Adviser Panel.

Tric Moller, Dunedin
Terry Patterson, Wellington – resigned
Dr Charmaine Tait, Auckland
Dr Jenny Visser, Wellington

Technical Rescue

A further key component of the Back Country Technical Rescue Standards, the Helicopter Rescue Standard is well advanced. This comprehensive document will outline best practice for both search and rescue personnel, from basic awareness to winch and strop recovery. With the increased utilisation of helicopters particularly in the rescue scenario the development of this document is timely.

In liaison with the Training Subcommittee who are developing Team Leader Standards the Technical Rescue Group are currently developing Rescue Team Leader Standards

Mindful of the increasing workloads for Regional personnel, the Rescue Needs Analysis, which was anticipated would be performed by Regions, will now be facilitated by a member of the Technical Working Group. Don Bogie has generously offered to do this for the South Island Regions in the first instance. While Regions will need to collect some data based on a template that he will develop, analysis of this data and facilitation of the

needs analysis will be performed by Don. The outcome of this analysis will give Regions in summary and topographical format an overview of their current rescue resource capability, an indication where other resources may be needed and the status of neighbouring Regions rescue resource capabilities.

Thanks to the generosity of the Otago Polytechnic a complimentary place on the week long Stage 1 Avalanche Course was made available to NZLSAR. Pim de Monchy from Christchurch was the successful applicant. A further complimentary position will hopefully be available for this coming year.

A note of appreciation must be extended to the Department of Conservation for their continued support of the Technical Working Group. The support for Aoraki Mt Cook Rescue Team members to attend meetings, the sharing of documentation intrinsic to development of NZLSAR standards and for the provision of venue and equipment for meetings has been greatly appreciated.

Members of the Technical Working Group

Grant Prattley (Chairman)
Dave Bergman
Don Bogie
Murray Cullen
Lindsay Main
Van Watson
Andrew Welsh

Swift Water

Feedback from SAR and technical swift water personnel reviewing recommendations in the Graham Charles report has been overwhelmingly in support of his comments and recommendations. The need for basic river awareness skills to be known by every person involved in

any search or rescue in New Zealand and the need for an integrated approach to operations involving swift water are two issues that have been identified as priority for implementation.

In areas with high numbers of swiftwater incidents considerable work has gone into

developing working relationships between the swiftwater community and NZLSAR. Adopted as a model nationally this interaction will have benefits both for individuals requiring assistance in water corridors and SAR personnel involved in planning and undertaking initiatives in this environment.

A swift water symposium planned in association with the National Conference later in the year will be an opportunity for personnel from the wider swift water community to share ideas, best practice, contacts and interface with NZLSAR in terms of its needs in relation to the swift water environment.

Acknowledgments

I should like to take this opportunity to give special thanks to all advisory working group members within the specialist disciplines who give so readily their time and expertise. NZLSAR is truly fortunate to have such a skill base and while we often look to overseas for examples of best practice in no way should this undervalue the talent and expertise we already have.

Finally a very special thanks must go to John Tristram whose significant support particularly in administration has been invaluable in ensuring meetings and courses have all run smoothly.

Tric Moller

Chairman Specialist Subcommittee

Training Subcommittee Report

Meetings

Two meetings were held during the year, one in Christchurch and the other in Nelson. The committee does review the

location options for the meetings from time to time with view to having more local involvement in the issues under discussion.

Membership

The Subcommittee membership at the end of the year.

Laurie Gallagher	FMC Rep on NZLSAR	Wellington
Brian Holland	Region 6 Rep on NZLSAR	Canterbury
Tric Moller	Chairman Specialist subcommittee	Dunedin
Geoff Logan	Police Rep	Wellington
Dave Saunders	Adviser	Christchurch
Roscoe Tait	Chairman NZLSAR	Auckland
Russell Tucker	Tasman Training Coordinator	Nelson
John Tristram	NFO	Wellington
Barry Were	Chairman	Hamilton

There were some changes to the membership of the committee during the year. Stu Thorne retired from the committee, Gerry Prins was replaced by Geoff Logan, Russell Tucker has been

added. Stu and Gerry both made an excellent contribution to the work of the committee over the years and we are grateful for their efforts.

SARINZ

The last twelve months has seen massive growth in SARINZ. The changes are especially noticeable in the number of instructors and courses provided. On some weekends there has been 4 or 5 courses running. The result is an increase in the total courses run from 27 search courses last year to 75 this year – a dramatic increase. Most of these courses gained the additional benefit of the current system of being run by two instructors rather than one.

In addition a complete rework of all course materials has commenced. The result of this on-going effort will be a professionally presented work-book for each course.

During this period of growth there has been a consolidation of the systems and processes aimed at improving the management and general running of the courses. Although there may still be some confusion in some regions as to how the system works, with on-going effort by

NZLSAR and SARINZ, this issue will be resolved.

The purchase of 24 high quality laptop computers and GPS units during the year represents a major capital investment by SARINZ in current and future computer based training. These computers are also available for operations anywhere in the country.

PAC

The Program Advisory Committee formed by Tai Poutini has critical role in approving the standards written for each course. This committee is responsible for ensuring that the course is appropriate for SAR and that the content reflects the requirements of our industry.

The fit of each course/standard to the overall framework of the qualifications is an essential consideration. Although there are not sufficient credits available yet for a diploma, at some stage in the future there will be. Meanwhile the courses remain as certificate based qualifications.

The committee met twice this year and, at each meeting, have gained a clearer understanding of the purpose and importance of the group.

The members are: Joe Hayes (Tai Poutini), Geoff Logan (NZ Police), Russell Tucker (Tasman Police), Roscoe Tait (NZLSAR), Laurie Gallagher (NZLSAR),

We are grateful for the tireless efforts of the SARINZ Ltd management team of Trevor Burgess (Acting Business Manager), Ross Gordon (Programme Manager – Search) and Grant Prattley (Programme Manager – Rescue). Special thanks also to Margaret Burgess who works away behind the scenes for SARINZ to ensure that the courses and administrative things happen.

Barry Were (NZLSAR), Peter Sutherland (TPP).

Tai Poutini Polytechnic

An excellent relationship has been maintained with Tai Poutini largely due to the energy and enthusiasm of Joe Hayes.

Thanks Joe for your tireless efforts to make things work throughout the year and also for getting out there to various SAR Groups to promote the system and benefits available.

Courses

The range of courses available to NZLSAR volunteers is growing new courses including the following: Alzheimers, Helicopters, 4 Wheel Drive, several ropes courses plus computer based TUMONZ and IMan courses. With the growth in SARINZ the courses provided by NZLSAR such as the Adviser courses have been discontinued. It is expected that this type of training will be replaced by SARINZ courses during the next year or two.

Number of Courses by Year

	94/9	95/9	96/9	97/9	98/9	99/0	00/0	01/0	02/0	03/0	
	5	6	7	8	9	0	1	2	3	4	
TCA	2	5	14	13	7	12	14	7	10	19	103
Tracking				3	3	6	9	10	8	9	48
MLSO 2 day	5		2	4	4	3	1	1	1		21
MLSO 5 day							3	5	2	4	14
Suburban											
Search				2		2	2			1	7
Search											
Methods			3	1	3	5	5	6	3	11	37
Team											
Leaders				1	3	1	3	2	2	1	13
Refresher						2	1	1	1		5
Alzheimers										7	7
Lost Person											
Behaviour								1			1

TUMONZ										3	3
Intermediate											
Ropes									5	9	14
Personal											
Ropes										3	3
Foundation											
Rope										3	3
Slope Rescue										2	2
Helicopter										2	2
Vertical Rope										1	1
Subtotal	7	5	19	24	20	31	38	33	32	75	284
NZLSAR											
Adviser											
Standards	4	11	3	1	2	1	1				23
Field											
Controller											
Standards				10	4	1					15
Search Dogs							3	2	2	2	9
CIMS								5			5
Vertical											
Rescue				1		1	1	3			6
Subtotal	4	11	3	12	6	3	5	10	2	2	54
Total	11	16	22	36	26	34	43	43	34	77	338

Number of Courses by Region

Course	Region							Total
	1	2	3	4	5	6	7	
TCA	1	5		4	3	4	2	19
Tracking	2	1		1	1	3	1	9
Search Methods		4		2	3	1	1	11
Team Leader				1				1
MLSO				2	2			4
Suburban Search						1		1
Alzheimers	1	1		1	2	1	1	7
Tumonz		1		1		1		3
Intermediate rope	1	1		2		1	4	9
Personal Rope		1		1		1		3
Foundation Rope						2	1	3
Slope Rescue				1		1		2
Helicopter					1	1		2
Vertical Rope						1		1
Total	5	14	0	16	12	18	10	75

Courses held during the 2003/2004 year by Region.

The 75 SARINZ courses comprised 55 Search courses with 1006 participants and 20 related to Rescue with 243 participants. The steady increase in numbers of

courses has been made possible by enabling Groups, Districts and Regions to run courses at close to zero cost through a subsidy on expenses from NZLSAR of up to \$30 per person per day.

The Regions are expected to be involved in the setting up of the courses. This is to ensure that numbers on each course are kept close to the maximum permitted. To assist this process NZLSAR regularly acquires future course lists from TPP and distributes them to key people.

Other Courses

Initial Response Course

The value of the simple 6 step process promoted by this course are recognised although these steps are included in the MLSO course. The committee is working on merging the best material from the 1 Day MSO course as run in Canterbury and the Initial Response course material. The result will be added to resource kit of material available to Groups to use to facilitate their own training.

Lost Person Behaviour and Alzeihmers

The courses run by Robert Koester during his visit last year were extremely well received. Although the course was primarily focused on LPB as it relates to Alzheimers sufferers the wide ranging experience and wisdom of the presenter was very apparent. The vision of SARINZ in bringing Bob to NZ should be applauded. Although the Alzeihmers LPB courses are still being run it is hoped that in time there will be a wider variety of LPB related courses available.

Operational Reviews

The committee remains convinced of the importance of Operational Reviews for certain operations which meet pre-determined criteria. The Police have received a formal submission from NZLSAR to this effect and we await their response. It is noted that Rural Fire has adopted a system similar to that which we are proposing.

Needs Analysis

The committee has reviewed the material from Dave Brewer but remains undecided as to the most appropriate means to progress this. The need for implementing a process for Needs Analysis is recognised but the urgency is not considered to be high.

Standards

Team Member and Team Leader

The team member standards have been completed and approved. These are recognised as being important as a base for the development of courses for Team Members.

The team leader standards are still being developed.

Adviser and Field Controller

The Adviser Standard needs to be reviewed to reflect the impact of CIMS.

The Field Controller Standard is no longer relevant and should be deleted.

A key outcome of the Adviser review was the adoption of specific minimum training requirements for Advisers. The period of grace for existing Advisers to meet the requirements expires on 30th June 1005.

CIMS

The lack of a detailed guiding document for all key roles within the CIMS structure during a SAR operation has been recognised. Consequently a special committee has been formed to produce the document as a joint initiative with SARINZ. The resulting document which is entitled **Search and Rescue Incident Management Guidelines; Position Descriptions and Operating Guidelines For Search and Rescue using the Coordinated Incident Management System In New Zealand.** The committee of Grant Prattley (SARINZ), , Geoff Logan (NZ Police), Russell Tucker, Roscoe Tait, John Tristram, Laurie Gallagher, John King, Brian Holland and Barry Were. This committee met twice and a completed document is expected by the end of August 2004.

Resources

Field Guide

The rewrite of the Filed Guide had not been completed at the end of the financial year although it is believed to be nearing completion.

SAR Workbook

The workbook will be revised and republished once the Field Guide is printed.

Forms and ToolMan

After reviewing the wide variety of forms made available from various groups around the country a selection of 27 have been adopted as the NZLSAR standard forms. These have been packaged in a

software product called ToolMan which will be available for free download from the NZLSAR web site. A system is to be put in place for receiving suggestions for changes with once yearly upgrades of the forms themselves.

ToolMan provides access to a number of resources such as checklist for each IMT member and hotlinks to run popular programs.

Our thanks to Karen King of Blenheim for her innovation and commitment to this project.

P130

Although the new Police system based P130 forms are collecting the data effectively there has been some concern regarding the lack of volunteer input to the data entered. It is intended that a Word based version of the P130 will be included in ToolMan so that the volunteers can record their perspective of the incident.

TUMONZ Mapping Software

The TUMONZ product has been adopted by NZLSAR as the preferred mapping product. The improvements made to the product during the last 12 months have been impressive and it is hoped that this rate of development will continue.

The courses run by SARINZ using TUMONZ staff assisted by NZLSAR personnel have been extremely well received.

IMAN Software

The IMan and GMan programs have also been adopted by NZLSAR and the courses approved to be run. The combination of IMan and TUMONZ provides a powerful tool to assist Incident Management Teams.

Search Assistants

With the adoption of the powerful software tools has evolved the concept of Search Assistants. Although it is expected that the name will be changed their role is clear and that relates to the management of **information** for the IMT. The Search

Assistants, led by Karen King, are developing systems, processes and methods for the effective management of information. These concepts have already proved invaluable for those incidents where they have been adopted. It is expected that as more groups adopt and apply the concepts the roles will continue to develop.

National Conference

The second NZLSAR conference, to be hosted by Region 2, in October 2004 has attracted at least 6 international speakers. It will be preceded by several courses and will certainly be an outstanding event.

Competitions

Not as many competitions held this year although the NZLSAR subsidy is still available for winning teams to travel between the islands. The Canterbury and Waikato competitions were run and the Hamilton Group, as winner of the Waikato event, performed creditably at the Canterbury event.

Conclusion

The commitment by SAR volunteers throughout the country is huge. Their determination to ensure their skill levels are right up there with the best is truly commendable. These are the people that make NZLSAR the great organisation it is – the people who are ready and willing to get out there and assist those in need.

I am pleased but humbled to be working with so many great people while assisting in the provision of training opportunities. My sincere thanks to the members of the Training subcommittee for your continued contribution and commitment.

There is still a lot of work to be done by this committee and I am confident that this group's achievements during the next twelve months will be commendable.

Barry Were

Training Subcommittee Chairman

Underground Subcommittee Report

The members of the Underground Subcommittee members are

Martin Grinsted
Dave Smith
Barry Were

Nelson, Chair
Te Kuiti
Hamilton

Kip Mandeno
Van Watson

Waitomo
Waitomo

Meetings

Two meetings were held, one in July 2003 at Waitomo and one in February 2004, after the Deep Cave SAREX. Six people attended to first meeting, and five attended the second meeting.

Training

Nelson and Grey Area Cave SAR Groups ran regular informal training sessions throughout the year. However the most significant training event of the year was the National Deep Cave SAREX run in Bulmer Caverns, Mt Owen over three days at the end of February. The SAREX was hosted by Nelson Speleological Group with local Police, RNZAF Iroquois Helicopter crew and over 80 cavers from all over New Zealand as participants.

Overall the National Deep Cave SAREX was a great success and nearly all the objectives set were achieved. These included:

- Using the full NZ Coordinated Incident Management System (CIMS) structure in the management of a major caving search and rescue exercise
- Applying the new Rope Rescue Standard underground during a rescue scenario involving stretcher hauling up multiple pitches
- Carrying out an extensive search in a big alpine cave
- Enhancing the search and rescue skills of cavers throughout New Zealand (many of whom have had no formal SAR training)
- Further enhancing the SAR management skills of selected cavers from around NZ
- Assessing the SAR training needs of the cavers involved in the exercise

- Using Iman and Gman software programmes to assist with exercise management

Attendees were very positive about their involvement, about the skills they had practiced and learnt, and about the way in which the event was organised. At the Management operational debriefing meeting a few days later, some things that could have been done better were identified and this learning will be built on in future operations, both in real situations and in SAREX's. The support provided by the Police, NZLSAR and the RNZAF was much appreciated.

As a follow up to the above, Grant Prattley and Kip Mandeno ran, in Nelson, the first Intermediate Rope Rescue Standards (Vertical) Training Course specifically targeted towards cave search and rescue. Nine people attended.

Goals achieved

These include:

- The key contribution of Cave SAR personnel to successful outcomes to several SAR incidents during the year, including two at Harwoods Hole under Takaka Hill.
- The planning and running of the 2004 Deep Cave SAREX
- The revision by Nelson Cave SAR Group of the Guidelines for parties descending Harwoods Hole.
- The up-grading of the search and rescue dedicated caving equipment which is held in the Nelson Police Station SAR store.
- The training of key personnel in Vertical Rope Rescue techniques.

Martin Grinsted

NZLSAR Underground Subcommittee Chairman

Treasurer's Report

These financial reports do not record the true cost of activities for the year because of the volunteer work of Committee and Subcommittee members and the support received from the Police, additional to the Grant, in many ways including accommodation and associated services for the National Field Officer.

The budget for work to be done during the year to 30 June 2004 was \$310,500 and a grant of \$253,950 requested, the difference to be met from NZLSAR funds. The grant received was \$239,000. Following receipt of this reduced grant and to recognise that the cost of some regional

training courses would in future be paid by the Tai Poutini Polytechnic of Greymouth, the budget was reduced to \$261,500. In place of the course costs paid previously by NZLSAR, it was agreed to pay accommodation, catering and similar costs of approved courses.

To summarise the year;

- Original budget \$310,500
- Police grant \$239,000
- Revised budget \$261,500
- Actual expenses \$169,494

Thus the budget was under spent \$92,000 although after allowing for overestimates of expenses unpaid at 30 June 2003 and the payment of an advance to the November 2004 conference organisers, the under spending was approximately \$80,000.

Major areas of shortage against budget include;

- A major review of NZLSAR
- Adviser workshops, LPB/person profile course and CIMS courses
- Regional seminar support
- Regional training assistance.

In addition to actual expenses paid, \$8,000 has been reserved for the future supply of Iman/Gman search management software to Regions and \$10,853 has been reserved for the potential cost of a revised redundancy formula offered to the National Field Officer. Accumulated funds are now \$205,000 and thought must be given to the best use of this considerable resource of land search and rescue in New Zealand.

Phil Rundle
NZLSAR Treasurer

Financial Report

NEW ZEALAND LAND SEARCH AND RESCUE INCORPORATED STATEMENT OF FINANCIAL POSITION AS AT 30 JUNE 2004

	2004	2003
	\$	\$
Accumulated Funds	205,164	136,921
Publications Fund	26,456	23,895
Redundancy Provision	21,153	10,300
SAR Research Fund	35,000	35,000
ACR Training Fund	10,000	10,000
Regional Software	8,000	
	-----	-----
Total Equity	305,773	216,116
	-----	-----
Represented by:		
Bank accounts		
Westpac current a/c	3,563	5,012
Westpac call a/c	26,258	52,904
	-----	-----
	29,821	57,916
Term Deposits-Westpac	297,000	215,000
Debtors and prepayments	11,410	6,024
	-----	-----
Total Current Assets	338,231	278,940
Less Current Liabilities		
Creditors	32,458	62,824
	-----	-----
Net Current Assets	305,773	216,116
	-----	-----

The Notes 1 to 9 to the Accounts form part of these Accounts.

-----Treasurer

-----Chairman

NEW ZEALAND LAND SEARCH AND RESCUE INCORPORATED
STATEMENT OF FINANCIAL PERFORMANCE FOR THE YEAR ENDED 30 JUNE 2004

	2004	2003
	\$	\$
INCOME		
Police Department Contract	239,000	269,152
Interest	17,490	15,591
Donations	100	
	-----	-----
Total income	256,590	284,743
EXPENSES		
Audit Fees	1,500	1,590
Committee and Review Meetings	17,275	17,897
National Field Officer		
Salary and ACC Levy	55,215	51,867
Travel	3,543	6,290
Other Expenses	1,092	1,360
	-----	-----
	59,850	59,517
National Office		
Administration and Stationery	2,914	3,239
Travel, Publicity	3,858	3,074
Library	86	175
National Conference		4,639
SAR Systems Audit		5,226
Software Development	500	4,000
Communication Subcommittee	2,943	14,510
Specialist Subcommittee		
Courses and Activities	18,078	29,681
Subcommittee Expenses	1,447	808
	-----	-----
	19,525	30,489
Training Subcommittee		
Courses and Activities	7,625	26,454
Subcommittee Expenses	9,007	4,104
	-----	-----
	16,632	30,558
Underground Subcommittee		
Subcommittee Expenses	257	495
Underground SAREX	9,559	
	-----	-----
	9,816	495
Regional Com. Admin. Support	15,209	7,926
Regional Training Support	16,386	51,428
Regional Software	3,000	
	-----	-----
Total Expenses	169,494	234,763
Operating Surplus	87,096	49,980
Publication Fund Movements	2,561	
	-----	-----
SURPLUS	89,657	49,980
	-----	-----

These statements should be read in conjunction with the notes to these financial statements

NEW ZEALAND LAND SEARCH AND RESCUE INCORPORATED
STATEMENT OF MOVEMENTS IN EQUITY
FOR THE YEAR ENDED 30 JUNE 2004

ACCUMULATED FUNDS	2004 \$	2003 \$
Opening Balance	136,921	101,941
Surplus for the year	89,657	49,980
	-----	-----
Total Recognised Income for the year	89,657	49,980
Less Transfers (to) Reserves	<u>(21,414)</u>	<u>(15,000)</u>
Closing Balance	<u>205,164</u>	<u>136,921</u>
RESERVES		
Publications Fund		
Opening Balance	23,895	18,895
Transfers from Accumulated Funds	<u>2,561</u>	<u>5,000</u>
Closing Balance	<u>26,456</u>	<u>23,895</u>
Redundancy Provision		
Opening Balance	10,300	10,300
Add transfer from Accumulated Funds	<u>10,853</u>	<u> </u>
Closing Balance	<u>21,153</u>	<u>10,300</u>
SAR Research Fund		
Opening Balance	35,000	25,000
Add transfer from Accumulated Funds	<u> </u>	<u>10,000</u>
Closing Balance	<u>35,000</u>	<u>35,000</u>
ACR Training Fund		
Opening Balance	10,000	10,000
Closing Balance	<u>10,000</u>	<u>10,000</u>
Regional Software		
Transfer from Accumulated Funds	<u>8,000</u>	<u> </u>
Closing Balance	<u>8,000</u>	<u> </u>
TOTAL RESERVES	<u>100,609</u>	<u>79,195</u>
CLOSING EQUITY	<u>305,773</u>	<u>216,116</u>

These statements should be read in conjunction with the Notes to these financial statements

NEW ZEALAND LAND SEARCH AND RESCUE INCORPORATED
NOTES TO THE ACCOUNTS FOR THE YEAR ENDED 30 JUNE 2004

1. Reporting Entity:

The financial statements presented here are for the New Zealand Land Search and Rescue Inc. There are independent Regional and District land search and rescue organisations and they do not have their results included with these accounts of the New Zealand Land Search and Rescue Inc.

2. Statement of Accounting Policies

These Financial Statements are presented in accordance with the Incorporated Societies Act 1908.

General Principles:

These financial statements have been prepared on the basis of historical cost. Accrual accounting has been used to match income and expenses. Amounts are stated exclusive of GST, except for certain Debtor and Creditor balances, where appropriate.

Differential Reporting:

This entity qualifies for differential reporting under the Institute of Chartered Accountants of New Zealand's reporting framework as it not publicly accountable and it is not classified as being large. This entity has taken advantage of all available differential reporting exemptions.

Changes in Accounting Policies:

There have been no changes in accounting policies. All policies have been applied on bases consistent with those used in previous years.

Donated Services:

New Zealand Land Search & Rescue Inc. relies on the voluntary service of members. Since these services are not normally purchased and because of the difficulty of determining their value, donated services are not recognised in these financial statements.

3 Taxation:

No provision has been made for income tax as the Society, being a charitable body, has been granted exemption from income tax.

4. Debtors and Prepayments:

These are principally accrued interest, GST paid on expenses and recoverable from the Inland Revenue Department and prepayment of 2004/2005 expenses.

5. Creditors:

These are salary and holiday entitlements earned but not paid, the cost of employment offers to the NFO, a provision for the cost of auditing these accounts and for other expenses incurred but not paid.

6. Redundancy Provision:

While no redundancy is contemplated, the Committee has resolved to make this provision in case funding difficulties occur in the future. The Provision includes also the effect of an offer to increase redundancy in a revised remuneration package.

7. Contingent Liabilities:

There were no known contingent liabilities as at balance date. (2003 nil)

8. Capital Commitments:

There were no known capital commitments as at balance date. (2003 nil)

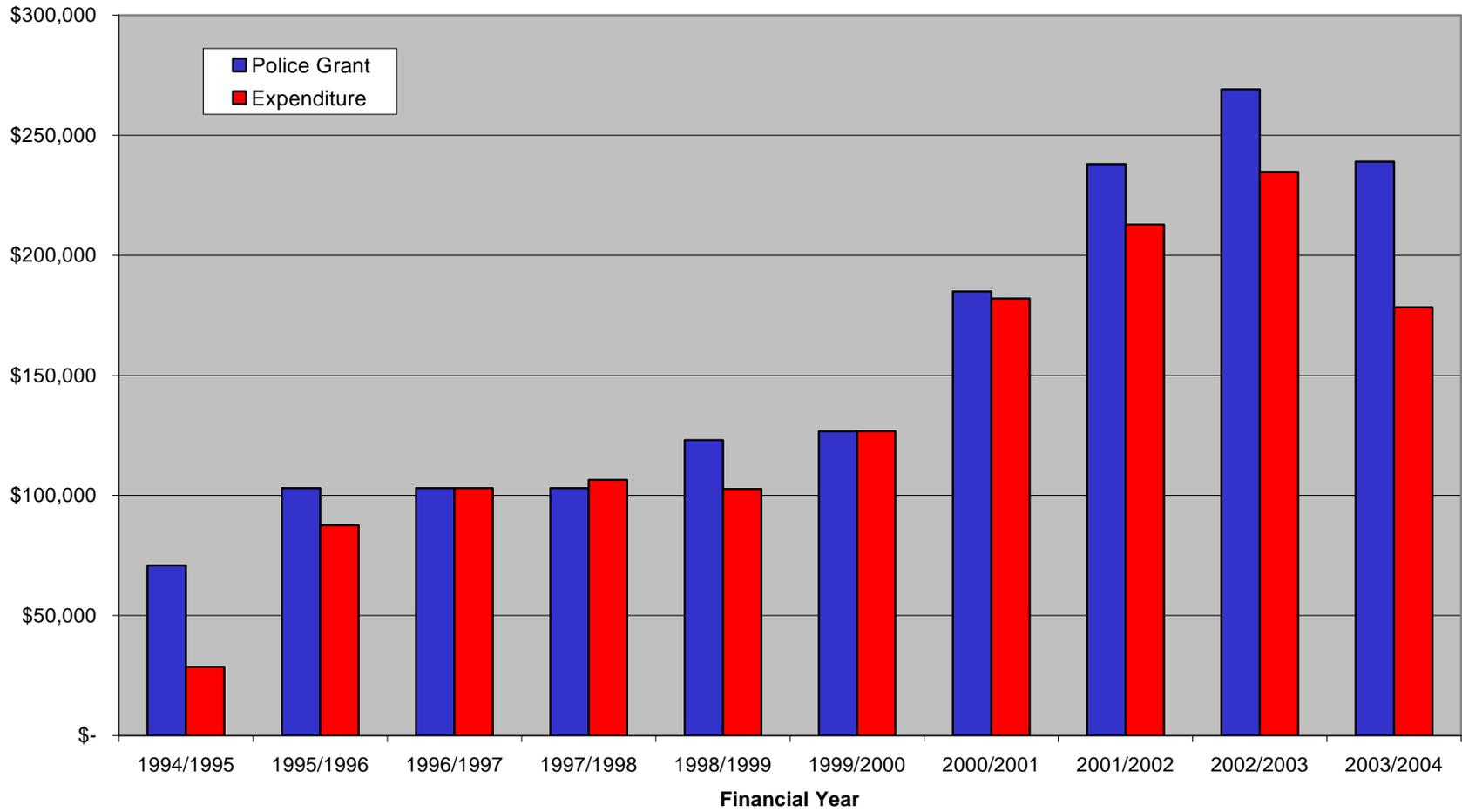
9. Related Party Transactions:

There were no transactions involving related parties during the year, other than those disclosed elsewhere in these Financial Statements.

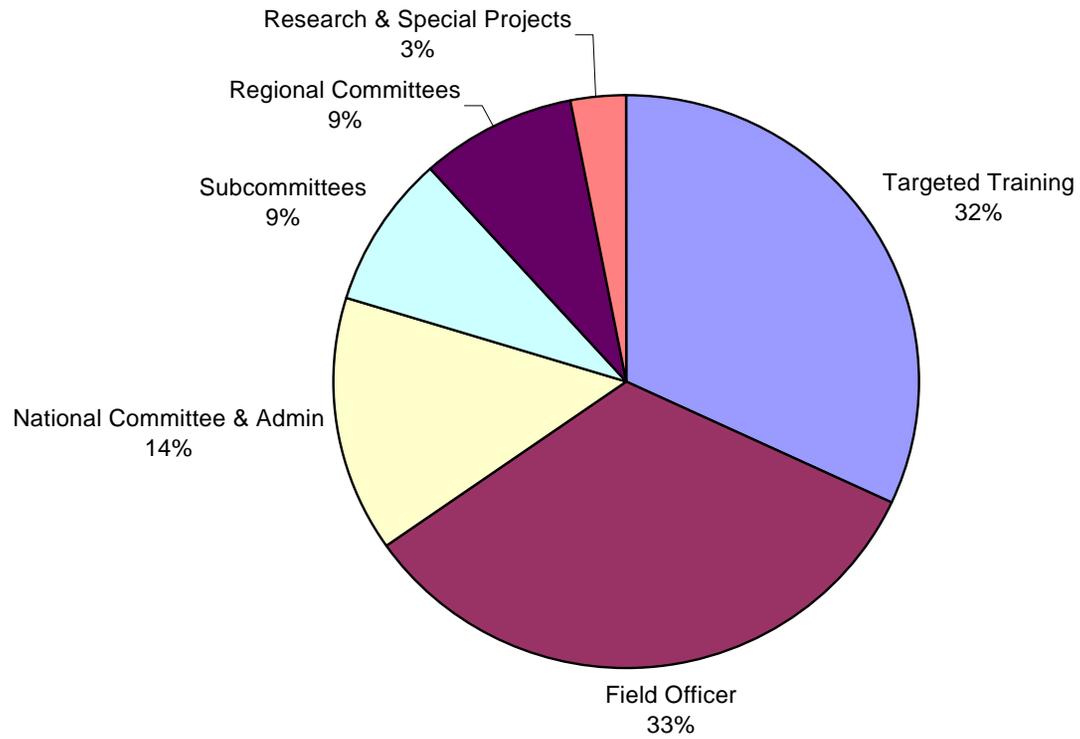
Auditors Report

Held in office. Copy available upon request

NZLSAR POLICE GRANT vs EXPENDITURE



NZLSAR
Expenditure - Percentage Split by Category
2003/2004 Financial Year



NZLSAR Search and Rescue Statistics for the 2003/2004 year

The 03/04 figures below are an interim assessment taken on 11 July 2004. The final and more comprehensive figures will be available in the Police SAR Annual Report to be issued shortly.

	03/04	02/03	01/02	00/01	99/00	98/99	97/98	96/97
Land operations	673	365	372	397	313	332	352	370
Operational hours contributed	N/A	18,156	20,587	41,512	17,620	14,368	20,146	15,812
Number of personal involved	N/A	2,785	2,762	3,362	2,262	2,108	2,829	3,139

NOTE. The seeming increase in operation numbers may be because Class I operations which was solely Police involvement and Class II involving volunteers as well, were previously counted separately but are now combined.

Total of NZ Residents, land and water – 1121 (1214)
Total Tourists – 188 (133)
Percentage of Tourists – 14% (10 %)

Performance Report

The Performance Report of the organisations activities is given below. It is in two parts, the first is a summary of the NZLSAR Committee and members activities plus an overview of the national SAR operational statistics. The second part considers the 2003/2004 budget, what items finance was allocated too, whether the work was done and if so was it within budget.

Part 1 NZLSAR Committee and Subcommittees activities during the 2003/2004 year.

Committee meetings held	4
Total person days of attendance by Committee members	63
Total person days of attendance by Deputies	7
Total attendance person days	70 (74.5%)
Possible total attendance (person days)	94

The August Meeting was for two days with the combined meeting of Regional Chairs and Secretaries held on the Saturday and the Committee Meeting on the Sunday.

The May Committee meeting was held over two days at the same venue as the North Island SAR Dog Assessment Course, which was held near Rotorua, with the Committee members staying overnight.

Aviation Subcommittee meetings held	In abeyance
--	--------------------

Communications Subcommittee meetings held	2
Total person days of attendance	14

Specialist Subcommittee

Medical Group meetings held	2
Total person days of attendance	14

Dog handler Group meetings held	3
Total person days of attendance	27
Swift Water Group	1
Technical Working Group meetings held	1 (2-day meeting)
Total person days of attendance	12

Training Subcommittee meetings held	3
Total person days of attendance	21

Underground Subcommittee meeting held	2
Total person days of attendance	10

Many of the Committee members serve on other Subcommittees and Working Groups, apart from those under the five standing Subcommittees as listed in the constitution. These groups have specific tasks or objectives to research and investigate with a view to reporting back to the NZLSAR Committee a suggested course of action. The membership of these Subcommittees and Working Groups is as below.

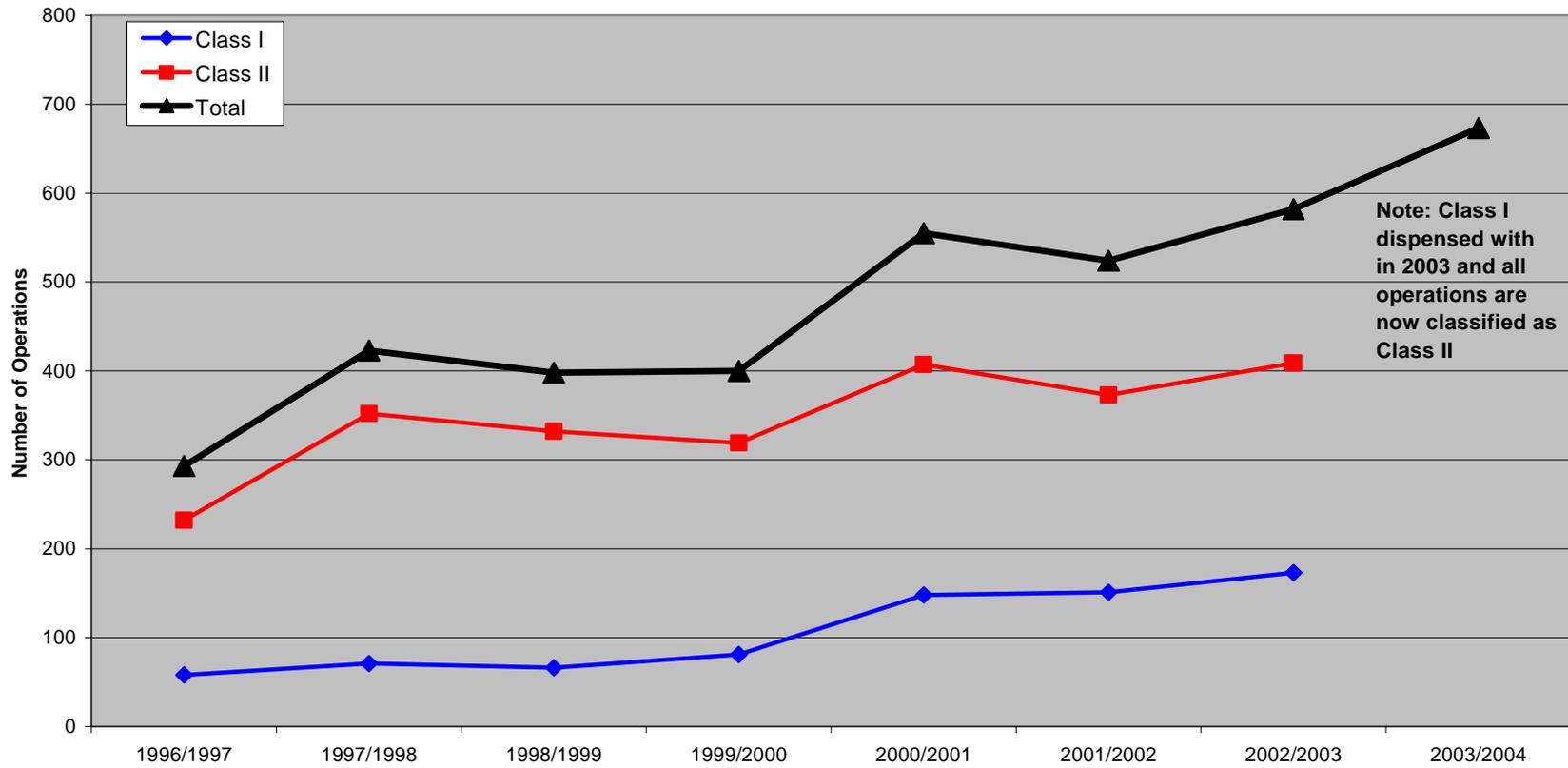
Finance	
Roscoe Tait, Chairman	Phil Rundle
Paul Dale resigned Nov 2003	Graham Thorp

Remuneration	
Roscoe Tait, Chairman	Gerard Prins
Paul Dale resigned Nov 2003	Phil Rundle

Review	
Roscoe Tait, Chairman	Brian Holland
Gerard Prins	Graham Thorp
Roger Barrowclough	Paul Dale resigned Nov 2003
Steve Davis	Barry Were

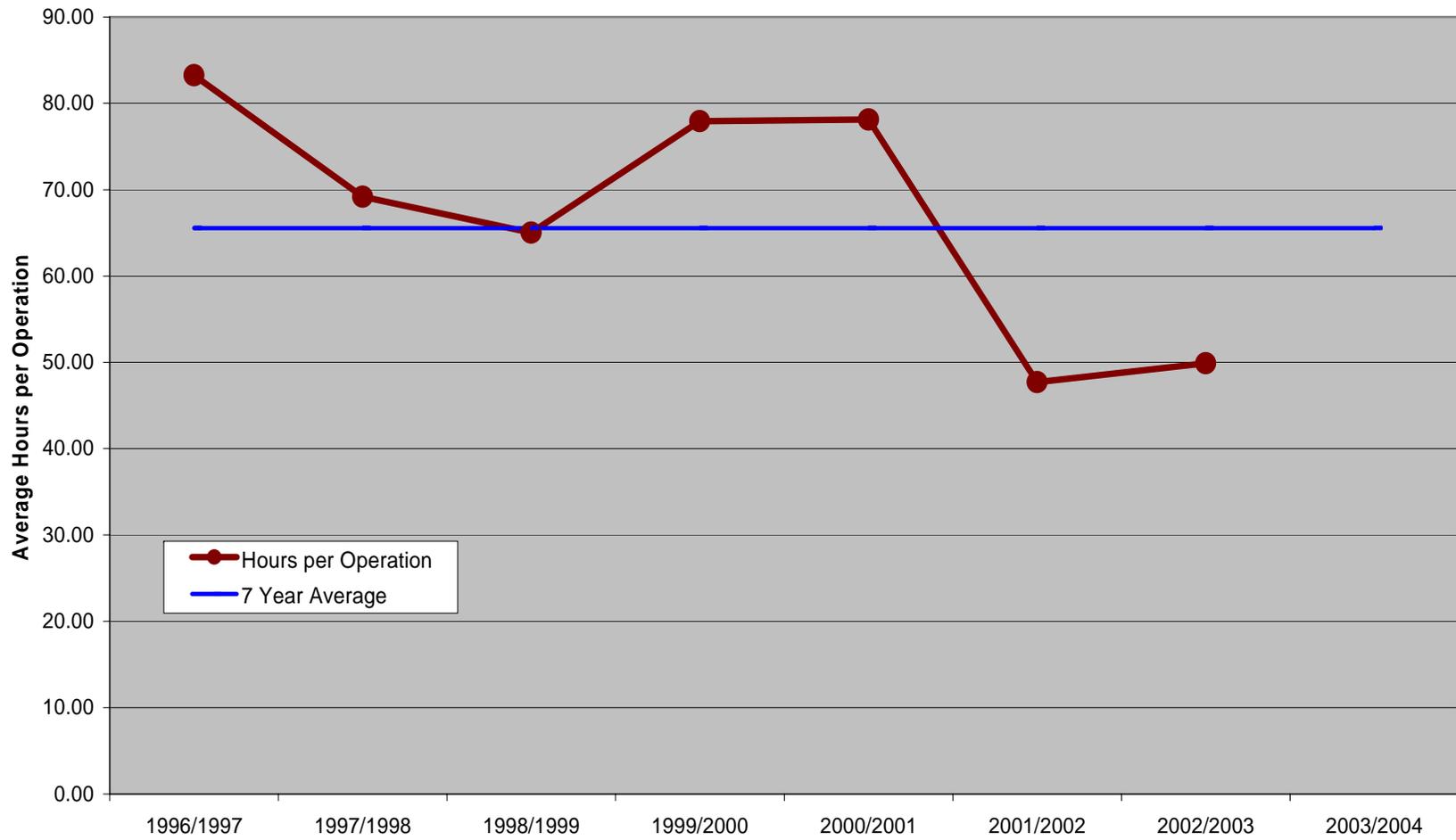
Advisers Review	
Roscoe Tait, Chairman	Peter Summerfield
Brian Holland	Russell Tucker
Gerard Prins	Barry Were
Dave Saunders	

LAND SAR OPERATIONS



NOTE: 2003/2004 figures are interim figures only and have yet to be confirmed

SAR STATISTICS Average Hours per Operation by Year



Part 2 - 2003 / 2004 Budget

The budget set for the year was for a total expenditure of \$310,500. For this we received a grant from the Police for \$239,000. Expenditure for the year was \$169,494 plus \$21,414 transferred to reserves which represents 61.5% of the budget and 80% of the Police grant. A detail of the individual budget items is given in the following table.

Notes:-

1. The Business case is developed in February of the previous year and submitted to the Police as a funding request.
2. The "budgeted amount" is the sum requested in the Business Case. When the funding allocation from the Police becomes known, the final plan is approved at the November Committee meeting.
3. A review of expenditure is held at each Committee meeting and, as costs become more apparent, reallocation of finances is made to items in the Business Case. These are then noted in the minutes.
4. \$71,000 was allocated as a "Contestable Fund" to be used by the Regions for a nominated range of SAR training courses at a maximum of \$2,000 per course for the instructors fee and up to \$1000 for the instructors costs. These amounts include GST. The Regions select those courses they felt would be of most benefit to the Region's training needs.

No.	Item	Budgeted amount	Actual expenditure exclusive of GST	Comments
1a	NZLSAR Committee meetings	\$21,000	\$16,465	Four meetings were held during the year, one of which was a two-day meeting. The Air New Zealand fare structure and the early purchase of tickets resulted in lower actual costs. The down side is that occasionally a fare is lost when a person is unable to travel or a meeting is changed at the last minute due to circumstances beyond NZLSAR's control. The Police no longer provide a minute secretary for the Committee meetings and a person is now employed to take minutes of meetings.
1b	Conference	\$5,000	Nil	\$3,000 was advanced to the subcommittee organising the conference in the 2002/2003 year to cover initial cost until registration fee are received. It is expected that the conference will be cost neutral

1c	Review Meetings	\$6,000	\$810	One meeting was held during the year. Additional funds have been budgeted for an external review of the management systems of NZLSAR, including administrative assistance for Regions.
1d	Chairman's travel and discretion	\$1,500	\$1,831	This covers any travel that the Chairman or Committee members may have to undertake for NZLSAR outside that for attending Committee meetings.
2a	Administration Costs	\$6,000	\$4,414	This covers necessary purchases such as stationary, the Post Box, etc as well as the Auditor expenses.
2b	NFO Salary + ACC	\$60,000	\$59,850	The covers the salary, travel and incidental costs of employing the NFO. The Police continue to very kindly cover the cost of an office and associated expenses for the NFO. In addition to the general administrative tasks that the NFO undertakes, he also maintains liaison with a number of associated organisations such as Mountain Safety Council and Federated Mountain Clubs; as well as attending meetings of the Committee and a number of Subcommittee, Regional meetings, Award presentations, District SAREX's, training courses and Regional seminars.
2c	Publicity/public relations	\$2,000	\$,2028	A number of plaques have been purchased for either presentation by the Committee (including NZLSAR Awards) or purchase by a SAR Organisation for them to make a presentation
2d	Library	\$500	\$86	As suitable items for the NZLSAR library are identified they are brought to the NFO's attention and acquired for the library. These items are available for members to borrow. A list of the publications available appears in this report.
3	Aviation Subcommittee	\$500	Nil	This Subcommittee, on the recommendation of the previous Chairman is in abeyance at present. The previous Chairman is keeping a watching brief of behalf of NZLSAR.
4	Communication Subcommittee	\$7,000	\$3,824	This Subcommittee has held two meetings during the year. Significant extra funding was allocated to this Subcommittee in the 2002/2003 year for research into mapping and GIS software, evaluation of a GPS tracking of teams by radio, GPS training package and HF SelCall trail. While work is progressing well on these projects, there is still more to be done before final reports are published. The Chairman continues to provide the Committee with regular updates.

5a	Specialist Subcommittee	\$1,500	\$1,447	The Specialist Subcommittee consists of a number of working groups with the Chair of the Specialist Subcommittee maintaining an overview and an encouraging hand to the work of these groups. This budget item is to allow the Chair to travel to meetings, courses, etc.
5b to 5g	Working Group – Technical Rescue	\$15,000	\$936	The Back Country Technical Rescue Standards (BTRS) are in place and draft Helicopter Rescue Standards have been written and circulated for comment. Expenses have been for meeting to develop these standards and the development of a Rescue Needs Analysis matrix. The ACR Team Review has been put on hold until these standards have been promulgated as have the ACR exercise, which was held every three years. ACR equipment is funded separately by the Police directly to the ACR Teams.
5h	Working Groups - Medical	\$8,500	\$3,665	This working group, has developed and presented Standards for Medical Advisers, Standards for Nominated Field First Aider, an Audit document for Nominated Field First Aiders and the course outline and content for a SAR specific First Aid course. Medical Advisers are being appointed and a workshop for interested medical practitioners was held in March 2004.
5i to 5l	Working Groups - Dogs	\$14,000	\$14,833	The majority of this funding is for the NZLSAR SAR Search dog and handler assessment courses. Some funding is also given to the South Island avalanche search dog course. Further funding was allocated during the year to get more dogs and handlers qualified. There are now 17 volunteer SAR dog teams holding operational status throughout the country.
5m to 5n	Working Group – Swift Water	\$2,000	\$1,443	This is a relatively new working group that is assessing the resources available and requirements for swift water rescue in NZ with the view to developing a national model
6a to 6f & 6j	Training Subcommittee	\$25,000	\$10,007	The Training Subcommittee has met on three occasions. The development of the relationship with Tai Poutini Polytechnic, which was finalised at the beginning of the year, resulted in the instructor cost for approved courses being met by the Polytechnic. This has made a dramatic difference to the costs incurred by NZLSAR and now allows for payment of the associated course costs that regions incur. ♦ No Adviser Standards Workshops have been held. With the

				<p>implementation of CIMS a set of Guidelines are being developed to replace the Adviser operational standards.</p> <ul style="list-style-type: none"> ◆ There has been no demand for Field Controller Workshops. ◆ Work is proceeding on the Training Modules for Trainers. Any major expenditure will come from the Publicity Fund. ◆ The development of a Lost Person Behaviour has been taken over by SARINZ. ◆ \$1,000 was allocated to subsidise the travel of the winning team at the Waikato competition to the Canterbury competition.
6g	MLSO Course	\$12,000	\$4,425	Two five-day MLSO courses were held at the Police College in August 2002. These are attended jointly by volunteers and Police with nine volunteers on each course. The instructor costs are now met through Tai Poutini Polytechnic.
6h	Initial Response Course	\$12,000	\$80	One course was held last year and on review it was decided that the "Six Step Process" had considerable merit. However, there is a considerable amount of duplication with the five-day MLSO course. The course is to being revamped as a one-day introduction to MLSO.
6i	CIMS Courses	\$10,000	\$2,120	Only one course was held during the year. It appears that most management people have attended this or an equivalent course.
7a	Underground Subcommittee	\$1,000	\$257	This Subcommittee met twice, once at the national cave SAREX. Minutes have been kept.
7b	National Cave SAREX	\$9,000	\$9,559	The national cave SAREX was held at Bulmer, Mt Owen at the end of February 2004. These are held every three years and the next major cave SAREX is due to be held in early 2007.
8	SAR Research	\$Nil	Nil	No money was transferred to this fund, which currently stands at \$35,000. While the purpose was to build up a fund as seed money for research projects, to date no projects have been identified.
9a	Regional Seminars	\$7,000	\$Nil	No Regional Seminars were held during the year. However, Regions will be able to apply to have this funding used to assist members from their Region to attend the NZLSAR Conference.
9b	Administrative Support for Regional Committees	\$9,000	\$10,500	Regions are offered two sums; \$500 to assist with administration of their Regional Committee and \$500 to assist with travel for the Regional Representative and/or Deputy Regional Representative and/or Chair of their Regional Committee. Regions are required to submit an annual

				financial statement to NZLSAR to qualify for these grants.
9c	Seminar for Regional Administrators	\$6,209	\$6,000	A seminar was held in August 2004 where It was decided that these should be held annually as they are a valuable communication exercise.
10a	Regional Training Grants	\$71,000	\$21,501	The introduction of the Tai Poutini Polytechnic SAR course at the beginning of the year resulted in the instructor training cost being covered by the Polytechnic resulting in much lower costs to NZLSAR. NZLSAR is now able to cover the associated course costs for the regional training.
	IMAN Program	Nil	\$3,500	Funds were allocated to encourage SAR groups to use computer based systems by providing them with a copy of the IMan and GMan programmes for both use and training. Funds were also provided to assist with the development of forms for the Toolman programme.
	Publication Fund	Nil	\$2,561	NZLSAR maintains this fund so that there is always money available to pay the cost of printing any publications that NZLSAR produces from time to time. This fund is topped up from time to time and with the revised Field Guide, the rewrite of the Alpine Rescue Techniques Manual in the next year, the Committee decided that a further top up was necessary.

NZLSAR Award

The NZLSAR Award is designed to show appreciation for an individual's contribution to land search and rescue. It is pleasing to note the increase in the number of Organisations who have sent nominations to NZLSAR this year. The NZLSAR Committee was pleased to approve NZLSAR Awards to the following people.

Brian Benn	31 August 2003
Lyn Manning	31 August 2003
Daniel O'Connell	31 August 2003
Paul Brennan	31 August 2003
Tom Hunter	31 August 2003
Markus Milne	15 November 2003
Linda Pike	15 November 2003
Larry Charles	15 November 2003
Andrew Pealing	15 November 2003
Alan Cross	23 February 2004
Terry Sweetman	23 February 2004
Tony McEnaney	23 February 2004
Mike DeLury	15 May 2004
Stephen Langridge	15 May 2004
Jim McIntosh	15 May 2004
Steven Neilson	15 May 2004
Rodney Perrin-Smith	15 May 2004
Barry Petrie	15 May 2004
Hacky Sims	15 May 2004
Paul Tinnelly	15 May 2004
John Torrance	15 May 2004
Ashley Shaw	15 May 2004
Tony Macklin	20 May 2004
Dave Kerwin	08 June 2004
Dave Brockway	08 June 2004

Roscoe Tait
Chairman NZLSAR

Publications

NZLSAR has and continues to provide the following publications.

- Memorandum of Understanding between NZLSAR and NZ Police Department
- Travel Policy
- NZLSAR News
- Standards
 - Advisers Standards Non Operational and Operational Roles. Published 1995
 - Field Controllers Non Operational and Operational Roles. Published 1997
 - Patient Care. Published 1999
 - Rescue Controller. Published 1999
 - Search and Rescue Dog Teams. Published 2001
 - Backcountry Technical Rescue. Published 2002
 - Communications Unit Leaders Non Operational and Operational Roles. Published 2003

Guidelines for the Nominated Field First Aider as per the Patient Care Standard
 (including individual skills assessment sheet). Published 2003
 Casualty Assessment Form for operational field use. Published 2003
 Medical Adviser Standard. Published 2003
 Patient Care Standard Audit Document. Published 2003

- Field Guide. Second printing 1999
- Workbook

- Communications in the Outdoors pamphlet (joint with MSC)

- Regional Secretaries Compendium
- Regional Representatives Compendium
- Policy Statements
 - Health and Safety Policy
 - Rehabilitation Policy
- Mission Statement Published 2002

It also provides free upon request Advisers ID cards, organisation ID cards, certificates of attendance and appreciation, NZLSAR explanatory pamphlet and a set of display boards for use and return.

Library

Two books have been purchased for the library over the past year. Usage has been modest but the numbers who have taken advantage of this resource is increasing. Overall there is much more potential for this

resource to be used and as last year the library list is included.

John P Tristram
 National Field Officer

NZLSAR/Police Library Contents

101 Great Tramps in NZ	PICKERING & SMITH
ABC of Avalanche Safety	LaCHAPELLE Edward
Advanced Search and Rescue	NASAR
Alpine Rescue Techniques	BOOGIE Don
Avalanche Accident in New Zealand (History)	IRWIN MCQUEEN OWENS
Avalanche Awareness (Video)	Mountain Safety Council
Avalanche handbook	McCLUNG David
Avalanche safety for skiers and climbers	DAFFERN Tony
Basic Ground SAR in Canada - Home study guide	MERRY Wayne
Becoming Track Aware (VIDEO)	UNIVERSAL TRACKING SERVICES
British Columbia SAR Review 2000	BC
Canadian SAR New Initiatives Fund	Canadian SAR Secretariat
Classic NZ Mountain Bike Rides	KENNETT Paul
Commission of Inquiry into Cave Creek	Department Internal Affairs
Cycling NZ	Lonely Planet
Dogs - Search and Rescue Dogs Training Methods	American Rescue Dog Association
First Aid Manual: Emergency procedures	Red Cross
Fundamentals of Mantracking	TAYLOR AB
Fundamentals of Mantracking	TAYLOR AB
Grid Search Techniques	SYROTUCK William

Grid Search Techniques	SYROTUCK William
Incident Command System Study Course	FEMA
Info Video on changes to Mapping	LINZ
Intro to Land SAR Probabilities	SYROTUCK William
It was just a tramp in the bush	Mountain Safety Council (VIDEO)
Land Search Operations - Handbook	Emergency Management Australia
Land Search Operations - Handbook	Emergency Management Australia
Lost Person Behaviour	SYROTUCK William
Lost Person Behaviour	SYROTUCK William
Managaing The Lost Person Incident	NASAR
Managing Land Search Operations - Handbook	STOFFELL Skip
National SAR Manual	Australia
New Zealand Land search and rescue guide	CURL Roger
NZ Guidelines for Avalanche Observations	Mountain Safety Council
NZ Guidelines for Avalanche Observations	Mountain Safety Council
On Rope - North American Vertical Rope techniques	PADGETT & SMITH
Orienteering, a way of learning navigation	Mountain Safety Council
Outdoor First Aid	Mountain Safety Council
Point Last Seen - Dog Tracking Story	NYALA Hannah
Probability of Detection (POD)	PERKINS Dave
Ready! The Training of the SAR Dog	BULANDA Susan
Risk Management in Outdoor Activities	Mountain Safety Council
River Rescue - Manual for whitewater safety	BECHER Les
SAR Guide to Tracking	CARSS Bob
Scent and the scenting dog	SYROTUCK William
Search is An Emergency - a Text	STOFFELL Skip
Search is an Emergency - Handbook	STOFFELL Skip
Search is an Emergency - Handbook	STOFFELL Skip
Search Management for the Initial Response IC	Emergency Response Institute International
Search Management Training Kit (2 sets)	Spectra Communications
Sixty Short North Island Walks	PICKERING Mark
Snow Sense, evaluating avalanche hazard	FREDSTON Jill
Sound Sweep	COLWELL Martin
Standards for SAR Tech & Crew Leader	NASAR
Stress, managing after traumatic incidents	TUNNECLIFFE Micheal
Swiftwater Rescue Field Guide	RAY Slim
Tactical Training Options - Guide for police trackers	SCOTT-DONELAN David
Tracking, a blueprint for learning how	KEARNEY Jack
Trampers Guide to NZ National Parks	BURTON & ATKINSON
Tramping in the South Island Arthurs Pass to Mt Cook	BRABYN Sven
Tramping in the South Island Nelson to Arthurs Pass	BRABYN Sven
Travelling Well - Guide to safe and healthy travel	MILLS Dr Debroah
Water Rescue, Basic Skills for responders	SMITH David
Wilderness Search and Rescue	SETNICKA Tim
Search and Rescue Manual - Victorian Bush Walkers	Victorian Walking Clubs
Standard Operating Procedures	Kananaskis County
Map Reading and Navigation	Emergency Management Australia
SFRITO Registered Assessors Guide	SFRITO
The Search and Rescue System	Queensland Police Department

Affiliated SAR Organisations

Due to some uncertainty with the overlap between Incident Management Team Members and Base personnel the sum of the members may not always be the total figure given which can be take as correct. Clearer definitions are being written.

Region One				
Organisation	Team Member Team Leaders	Management Team Members	Base personnel	Total
Auckland FIRST Team.				54
Far North				18
Northland				25
			Total	97

Region Two				
Organisation	Team Member Team Leaders	Management Team Members	Base personnel	Total
Hamilton	17	3	5	25
Taupo/Tokoroa	68	10	3	81
Tauranga	20	4	4	28
Thames	40	10	6	56
Turangi	62	7	10	79
Waihi	20	2	3	25
Waitomo	25	8	7	40
Whakatane	53	9	10	72
			Total	406

Region Three
Affiliation declined by Region Three Committee decision.

Region Four				
Organisation	Team Member Team Leaders	Management Team Members	Base personnel	Total
Horowhenua	30	4	4	38
Palmerston Nth	45	6		51
Taranaki	93	15	10	118
Wairarino	25	2	2	29
Wairarapa	60	8	4	72
Wanganui	24	3	1	28
Wellington	85	20	10	130
			Total	466

Waitomo Search & Rescue
CURRENT MEMBERSHIP IS 40
(Of these 3 are advisors, 4 are search managers, and the rest are all able to work either at base or in the field as required)

Region Five

Affiliation accepted by the Region Five Committee but there is some uncertainty with the figures.

Organisation	Team Member Team Leaders	Management Team Members	Base personnel	Total
Greymouth				52
Haast				
Kaikoura				
Hokitika				30
Marlborough				65
Motueka				
Murchison				
Nelson				
Reefton				8
South Westland				
Takaka				
Westport				
			Total	

Region Six

Organisation	Team Member Team Leaders	Management Team Members	Base personnel	Total
ACR	65			65
AREC	20			20
Ellesmere	13	5	5	18
Hanmer	17			21
Hurunui	22	4	4	34
Methven	27	8	8	40
Oxford	27			34
Pegasus	59	5	5	65
Rakaia	14			14
Sth Canterbury	81	3	6	90
			Total	338

Region Seven

Organisation	Team Member Team Leaders	Incident Management Team Members	Base personnel	Total
Balclutha	59	5	12	76
Dunedin	80	10	6	96
Gore	30	7	7	44
Invercargill	40	10	6	56
Milton	30	1		31
Oamaru	60	2	2	70
Owaka	63	4	6	73
Stewart Island	25	5	5	53
Te Anau	40	6	5	51
Tokanui/Waikawa	50	6	12	68
Wakatipu	65	10		75
Wanaka	12	5	5	22
			Total	715