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NT OF THE NORTHWEST TERRITORIES
SUBMISSIONS TO THE BEAUFORT SEA
ENVIRONMENTAL ASSESSMENT PANEL -

Sector: Mining/Oil/Energy

6-1-83

Reference Material

VOLUME TWO

Government of the Northwest Territories
Submissions to the
Beaufort Sea Environmental
"Assessment" Panel"

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GOVERNMENT OF THE NORTHWEST TERRITORIES PARTICIPATION
IN THE NORTHERN OIL AND GAS ACTIVITIES PROGRAM: (NOGAP)

LORNE E. MATTHEWS

NOVEMBER 1983

A. INTRODUCTION

The Northern Oil and Gas Activities' Program (NOGAP) is a Federally funded, joint Territorial/Federal program to prepare the Government of the Northwest Territories, Yukon Territorial Government and Federal Government departments for hydrocarbon development in the north by funding research and planning projects. The information gained from the research and planning projects is intended to provide government.. with the basis for making sound decisions related to hydrocarbon development in the Beaufort. The program is coordinated by the Department of Indian Affairs and Northern Development.

Since its inception, NOGAP has been criticized by GNWT because of its preoccupation with only the development or production phase of hydrocarbon activity and its complete disregard for the exploration phase, - the phase that is occurring right now and the phase that has since the early 1970's continued to place real demands on GNWT programs.

The NOGAP program rationale appears to be based on the beliefs that either there are no impacts created by hydrocarbon activities until the development or production stage occurs; or that if you focus on and solve the impacts which occur in the development phase then all previous exploration impacts are **nullified** or ameliorated. The rationale is wrong because both beliefs are wrong; the GNWT program departments recognize it and the communities of Tuktoyaktuk and Inuvik certainly recognize it.

The GNWT has felt from the outset that there are no panaceas; no grand solutions; when it comes to dealing with the impacts of hydrocarbon development. It does believe that the decisions made and lessons learned early on in the exploration stage create a solid base for dealing with the increased problems brought on during latter stages of hydrocarbon development. Without going through an iterative process it may in fact be unrealistic to expect workable solutions to the problems and impacts of the hydrocarbon development phase.

GNWT and other participants attempted to have the scope of NOGAP broadened to include much more than hydrocarbon development and therefore to have research and planning funds made available to address the broader issues of resource development in the north. We have instead one more segmented approach to dealing with the issues of northern development, where the need for action and decision is based upon pressure from a particular project rather than on the active desire to develop good workable solutions to very complex problems and a range of issues.

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NOGAP is therefore certainly not the ideal planning and research vehicle but within the stated limitations the GNWT departments and regions support its thrust and will continue to participate fully in order to ensure that future government decisions on hydrocarbon development decisions can benefit to the greatest degree possible from GNWT and northern input.

B. STATUS

Under the NOGAP program, in fiscal year 1982-1983 the GNWT received \$320,000, only a small portion of the total requested. This funding was received late in the fall of the year and was allocated to fund a NOGAP coordinator, located in the Energy, Mines and Resources Secretariat and to undertake six wildlife studies proposed by the Department of Renewable Resources. The projects were approved by Federal officials, without benefit of consultation with GNWT staff and with no reference to GNWT project priorities. In December 1982, under the guidance of the newly funded NOGAP Coordinator, a list of GNWT projects for the years 1983-1984 to 1986-1987 was prepared and submitted.

Early in 1983, through the efforts of individual NOGAP Coordinators and the NOGAP (SARB) Secretariat within DIAND, major improvements in NOGAP began to take shape. A management structure and multi-year funding mechanism were devised. The management mechanism would see GNWT project proposals presented with those of other participants to a Committee of Coordinators who would openly and collectively decide; based on criteria developed at the Senior Policy Committee; which projects should be

recommended to the Senior Policy committee for support. The resulting program of projects would then move up through the system via Cabinet and Treasury Board for funding approval, and finally execution by the sponsoring agency or territorial government. It should be pointed out that GNWT Executive Council priorities would be reflected in the package of GNWT projects forwarded to the Coordinators Committee thus ensuring the highest levels of GNWT support and commitment for the proposed projects.

In June 1983 the Senior policy Committee (SPC) recommended that the target date for government preparedness be shifted from 1987 to 1991; thus greatly extending the NOGAP time frame to seven years. The SPC also decided that the development scenarios to be used as the basis for the NOGAP program were; a small diameter oil pipeline from the Delta to Norman Wells and a demonstration oil tanker route from a production well in the Beaufort, east through the Northwest Passage.

In order to identify the critical near-term priorities of the GNWT in light of the scenarios, a priority setting exercise was undertaken involving the line departments, Inuvik Region, the Priorities and Planning Secretariat and the Energy, Mines and Resources Secretariat. The Exercise consisted of dividing all proposed projects into one of four categories identified by the DIAND coordinator; socio-economic, infrastructural, environment and archaeological. The GNWT chose to further categorize the

The projects into one of three groups to help identify the degree of the importance of that particular project to the ultimate task of decision making. This exercise included considerations such as: required lead time before development; Executive, Regional and Departmental priorities and the potential for application of the results of the proposed projects to the problems experienced during the exploration phase of development.

Group 1 projects were those near-term and late near-term projects essential for policy development and preparation of recommendations for project terms and conditions.

Group 2 projects were projects which should be undertaken in the mid-term to enable government to meet its regulatory and policy responsibilities.

Group 3 projects were all those remaining projects which would enable government to meet its other less essential regulatory and policy responsibilities.

The proposed projects were categorized under near, late-near, mid and late-term and the twenty one projects in the near and late-near-term categories were prioritized according to the ratings received, while the remaining projects were not prioritized.

This package, representing a GNWT request for \$13.6 million over the 7 year NOGAP program time frame, received Executive Council support in early September 1983 and was

subsequently presented for vetting at the NOGAP Coordinators Committee on September 8th. (See Appendix 1 GNWT Submission and letter of transmittal).

The NOGAP Coordinators, each representing their respective department and governments concluded that, with a few minor deletions, and amalgamations of several programs the GNWT submissions should be allocated \$12.3 million over the 7 year Program (See Appendix 2 for revised summary of GNWT NOGAP programs as approved by the Coordinator's Committee).

The various submissions approved at the NOGAP Coordinators meeting are in the process of being aggregated into a single Cabinet Submission by the DIAND SARB Secretariat.

Although the GNWT is not privy to the final Cabinet Document because of its Secret classification, we are told that the document could be completed and a decision made by Cabinet by early December.

c. RECOMMENDATIONS

Given that the NOGAP system is the system chosen by the Federal Government to address the planning and research requirements for hydrocarbon development in the Beaufort:

-The GNWT, within the concerns stated earlier, supports the present systematic approach of developing, vetting, formalizing and funding research and planning projects on a multi-year planned basis.

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-The GNWT charges DIAND to continue with this system and to make further improvements in it to increase its responsiveness to participating agencies/territorial governments.

-The GNWT supports DIAND's role as coordinator of Federal departments and territorial governments on NOGAP issues.

-The GNWT calls upon the EARP Panel to urge the Federal Government to support and encourage the present multi-agency, multi-governmental/departmental mechanism and provide funding over the program time span to enable effective program management to be carried out.

-The GNWT calls upon the EARP Panel to urge the Federal Government to continue to follow systematic approaches (such as NOGAP in the Hydrocarbon area) to address national problems and issues in the future and to be more responsive to regional concerns.

-The GNWT calls upon the Federal Government to further support GNWT in carrying out its program responsibilities related to resource development and to take the necessary actions to ensure that funding is available to carry out these responsibilities.



Northwest
Territories Energy, Mines and Resources Secretariat

2 September 1983

Mr. David Head,
Secretary,
NOGAP Senior Advisory and Review Board,
Department of Indian & Northern Affairs,
10 Wellington Street,
HULL, PQ.
K1A 0H4

Dear Mr. Head:

GNWT Submission: 1984-85 to 1990-91 Inclusive NOGAP
Research and Planning Requirements

Please find attached the GNWT submission under NOGAP for research and planning requirements for the 7 year period 1984-1991 inclusive. The projects submitted and their relative priorities have been approved by the Executive Council.

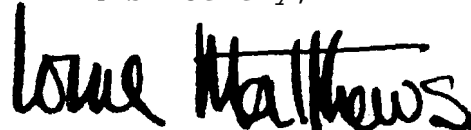
The emphasis of the Government of the Northwest Territories in the near-term, will be on projects which provide critical information for policy development and decision-making for recommending terms and conditions under which development projects should proceed to protect the physical and social environment and increase the benefits to Northerners from hydrocarbon development. This category of projects will assist in developing guidelines for both industry and government planning, and includes guidelines for collecting baseline data for monitoring developments, policy development related to new communities, identifying issues related to boom-bust cycles and identifying mitigative measures to alleviate the negative aspects of such cycles, and assessing decision-making requirements related to environmental and social services responsibilities. In addition, certain projects which are critical to meeting major legislated responsibilities may be required to be undertaken in the near-term to meet an early target date of government preparedness, or are required early because they are particularly relevant to addressing issues in the exploration as well as construction and production phases of development.

The mid-term emphasis of the GNWT within the NOGAP program is on projects related to planning to meet significant regulatory and policy responsibilities which are likely to require substantial innovation because of hydrocarbon development and the collection of baseline data in accordance with established guidelines. This category includes projects to provide information for adjustments in the social services program to cope with a changing social environment, and baseline data and mitigative measures for addressing socio-economic environmental, infrastructural and archaeological concerns. Generally, these projects will be planning initiatives and are therefore appropriately considered after guidelines are established. The target date for government preparedness that is chosen will influence the number of projects in the mid-term category that must be started in the early years.

The emphasis in the latter part of the program will be on preparing to meet other regulatory and policy responsibilities where the consequences of lack of preparedness are less severe or do not require long lead times. This will include planning to meet, in an efficient and effective manner, volume increases in demand for public services due to the rapid increase in population.

While NOGAP is clearly oriented to research and planning for the production phase of hydrocarbon development many of the impacts which the GNWT anticipates in that phase are being experienced now during exploration. It must be stressed however that the GNWT has requested but not received additional funding to cover these impacts which create extraordinary demands on existing GNWT resources. Instead the GNWT is forced to reallocate its already limited resources resulting in reduced effectiveness of the host programs in trade for only the most rudimentary capability in actually meeting or defining those impacts.

Yours sincerely,



Lorne Matthews, "
Regional Planning Advisor

SUMMARY - TOTAL GNWT 7 YEAR PROGRAM
 NOGAP RESEARCH AND PLANNING REQUIREMENTS

1984-85 TO 1990-91

GOVERNMENT OF THE NORTHWEST TERRITORIES	RESEARCH & PLANNING RESOURCE REQUIREMENTS						
	1984-85	1985-86	1986-87	1987-08	1988-89	1989-90	1990-91
REQUIREMENT BY PROJECT NPE:	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S
NEAR TERM PROJECTS (PERSON YEARS) (\$000'S)	14.5 1733.9	13.5 1630.6	11.5 1274.8	11.5 1276.1	9 1096.3	7 1016	4.5 696
LATE NEAR TERM PROJECTS (PERSON YEARS) (\$000'S)		6 735	6 657	5 464	3 319		
MID TERM PROJECTS (PERSON YEARS) (\$000'S)		2.6 304.5	3.3 573	4.3 434	4.3 507.5	3.5 445.5	85
LATE TERM PROJECTS (PERSON YEARS) (\$000'S)			1 64			1 67	.7 45
TOTAL PROGRAM REQUIREMENT (PERSON YEARS) (\$000'S)	14.5 1733.9	22.1 2870.1	21.8 2568.8	20.8 2176.1	16.3 1922.8	11.5 1528.5	5.2 826
TOTAL PERSON YEAR REQUIREMENTS WER THE 7 YEAR PROGRAM = 112,2 (many of these are contracts/consultants)							
TOTAL DOLIAR REQUIREMENTS WER THE 7 YEAR PROGRAM = \$13,626,209							

PROJECT: NEAR TERM

PRIORITY: 1

TITLE: GNWT NOGAP COORDINATOR

RESPONSIBLE AGENCY: GNWT - Energy, Mines and Resources Secretariat

OBJECTIVE:

To establish, pursuant to Cabinet request and DIAND's established coordinating process for the Northern Hydrocarbon Planning Strategy and GNWT's mandate and responsibility for design and implementation of social, economic and environmental policies and programs for the NUT, a process and structure to coordinate and GNWT departmental and regional involvement in the seven year NOGAP socio-economic, environmental and technical planning and research program; to support governmental responsibilities; and, to ensure its preparedness to deal with northern hydrocarbon production during the early 1990's.

The program will ensure the provision of information critical to effective decision making on northern hydrocarbon proposals.

DESCRIPTION:

The program will require the establishment of a position to coordinate GNWT participation in NOGAP. The position will be based in Yellowknife, and will report to the Regional Planning Advisor, Energy Mines and Resources Secretariat who in return reports to the Secretary. The Secretary of the GNWT on the Senior Policy Committee (SPC) and the Senior Advisor? and Review Board (SARB).

The Coordinator will:

- coordinate and evaluate priorities, work plans and submissions for program and funding requests to Treasury Board through the DIAND Secretariat;
- monitor and evaluate program implementation and operations;

coordinate the preparation of quarterly reports on the status of GNWT programs sponsored under the strategy and the application of approved funds;
- coordinate the preparation of annual reports summarizing the results of the program;
- identify and update the ongoing programming and budgetary requirements and submissions to support effective GNWT involvement for inclusion in annual Cabinet submissions;

- keep the GNWT Executive Committee, Senior Management structures, departments and Regions informed of the Northern Hydrocarbon Planning Strategy;
- advise and recommend on program requirements to ensure GNWT concerns on Northern Hydrocarbon development are addressed effectively;
- liaise with DIAND secretariat staff and other federal departmental and territorial coordinators as required to ensure optimum GNWT participation; and
- coordinate GNWT involvement in NOGAP by utilizing and reinforcing existing GNWT decision making mechanisms for priority setting, program approvals, budget approvals, and policy development to ensure that approved work plans are consistent with GNWT priorities and objectives.

MILESTONES:

- individual GNWT project submission identifying departmental and regional research and planning requirements under NOGAP,
- an annual submission which represents comprehensive GNWT research and planning requirements in support of NOGAP.
- a comprehensive package of interim and final reports for each project funded under NOGAP,

EXPECTED RESULTS:

- a broad objective GNWT approach is taken which accommodates the concerns of participating departments and regions in preparing, implementing and evaluating work programs and budgets.;
 - overlaps and/or gaps in work programs are eliminated;
 - the GNWT is kept up to date on the total federal government program and that changes or adjustments in the federal priorities can be clearly articulated and accommodated;
 - resulting information and decisions are made available in a timely and consistent manner to appropriate interests;
 - the work programs proceed and funds are expended within the constraints of the policy; and
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- in line with the intent of the Resource Development
Policy, the GNWT participates as an active partner
in developing useful and necessary input required
for future decisions on Northern Hydrocarbon
production.

RELATIONSHIP TO OTHER PROJECTS:

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is
The funding of a coordinator is critical to the identification,
operation and evaluation of all subsequent GNWT projects under
NOGAP. Without a coordinator the GNWT cannot participate
adequately in the research and planning required for effective
decision making on northern hydrocarbon issues.

RESOURCES REQUIRED:

This project would require a term position for the 7 years of the
NOGAP program. Other O & M requirements would be for travel,
accommodation, and communications.

annually 1984 - 1985 through 1990 - 1991	
salary -	\$45,000
O & M -	\$20,000
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total -	\$65,000(3)

PROJECT: NEAR TERM

PROGRAM: 2

TITLE: FUNDS FOR TUKTOYAKTUK AND INUVIK COUNCILS TO IDENTIFY IMPACTS AND PLAN FOR DEVELOPMENT

RESPONSIBLE AGENCY: LOCAL GOVERNMENT

OBJECTIVES:

To ensure that the Hamlet of Tuktoyaktuk and the town of Inuvik can prepare for and deal with the municipal impacts resulting from Beaufort development to permit the Hamlet and town to identify and plan for additional required infrastructure; to allow the Hamlet to put in place planning controls to regulate development within the community.

DESCRIPTION:

The Beaufort EIS anticipates Tuktoyaktuk could grow from 750 persons to 1,200 in 1990 and 2,000 in the year 2000 and while Inuvik could grow from 3000 persons to 10,000 in 1990 and 20,000 by the year 2000. Exploration activities have already had significant impact on both communities and increasing industrial activity will place additional service and expansion demands on them. Neither Tuktoyaktuk and Inuvik has the resources that are necessary to plan for the municipal impacts that will result from this type of growth. Both communities must undertake a great deal of research and planning if they are to be successful in dealing with the impacts and in controlling the growth resulting from hydrocarbon development. The Department does not have the resources that are required by the two communities. Funds must be made available to each community to hire new staff and undertake special studies so that the necessary planning can be done prior to the growth of the community. The following represents an estimate of the resources that are required by the Hamlet.

RELATIONSHIPS WITH OTHER PROJECTS:

This money will be treated as an inter-governmental transfer to both Tuk and Inuvik. The proposed local government projects to study Financing and Provision of Infrastructure in Rapidly Growing Communities (priority #7) and research into Land Development in Rapidly Growing Communities (priority #18) will complement the efforts of the Council to plan for and manage growth because GNWT policy will be clearly established in regard to municipal infrastructure. GNWT Policy will therefore reduce the uncertainty facing municipalities when planning for the future.

RESOURCES REQUIRED:

\$64,000 is required in both Tuk and Inuvik annually from 1984/85 to 1990/91 to fund a Community Development Coordinator for each. The positions would coordinate the analysis of industries, development plans and community impacts. They would also define areas requiring study and supervise the conduct of municipal planning studies and general development plan amendments. As well, they would provide advice and recommendations to council on general development options and specific development proposals. \$53,000 is required from 1984/85 to 1990/91 for Tuktoyaktuk to undertake special studies and research in order to plan, manage and regulate within the municipal boundaries. Example of such studies in Tuk include: the major question as to the relocation of the entire community to the other side of the harbour and the second major question as to the extent of population growth and expansion which the hamlet wishes to accommodate because of Beaufort development. \$53,000 is also required in 1984/85 for Inuvik to undertake a similar program of special studies and research in order to be in a position to plan, manage and regulate development within the municipal boundaries. Examples of such studies for Inuvik are the identification and integration of industrial and residential expansion requirements due to Beaufort development; planning for the development of the harbourfront on the Mackenzie River and regulation of river traffic; preservation of the cultural aspects of the community while progressive industrial expansion occurs due to Beaufort development; and assessment of the 25 year old utility system with recommendations for the most appropriate method of providing these services. In Inuvik funding requirements for the special studies program would increase according to the pace of development as follows:

\$ 53,000 in 1985/86
\$107,000 in 1986/87
\$107,000 in 1987/88
\$133,000 in 1988/89
\$160,000 in 1989/90
\$160,000 in 1990/91

\$80,000 is required for Tuk in 1985/86 to study how the municipality should best be organized in light of expanded responsibilities and staff levels. Community growth and expansion will bring with it a requirement for additional services, new staff, improved administrative procedures and streamlined handling of issues at council level. This study would permit changes to keep pace with development.

\$107,000 is required for Tuk in 1986/87 to undertake a program to update and revise the community land use plan in light of new development plans by industry and current priorities of the council.

\$53,000 is required for Inuvik in 1986/87 to study how the

municipal ity should best be organized and structured in light of expanded responsibilities and staff levels.

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Finally, Inuvik requires \$80,000 in 1987/88 to undertake a programme to update and revise the community land use plan in light of new development plans by industry and current priorities of the Council .

Resources required by both Tuktoyaktuk and Inuvik will therefore provide for a Community Development Coordinator and enable special studies, municipal organization studies and a community plan update to be carried out; all necessary activities in the face of hydrocarbon development.

As the result of current exploration activities and future Beaufort development the Tuktoyaktuk Council has a number of major issues currently before it. These include the possible relocation of the entire community to the other side of the harbour, to what extent does the Hamlet wish to accommodate expansion in the community because of Beaufort development, and what would the nature of and relationship between industrial and residential expansion be.

Until such questions are resolved, there will remain considerable amount of uncertainty and potential for conflict between industrial development plans and community desires and Priorities in Tuk.

The provision of adequate funding to the Tuk Council to undertake planning in the near term will resolve issues which may if left unresolved hamper Beaufort development . Funding the municipality to establish logical development policies and regulating mechanisms which will encourage controlled and orderly development.

Funding for Inuvik Council is marginally less critical than for Tuktoyaktuk because the Council has greater opportunity to raise local revenues to commence planning for Beaufort development.

Funding for Inuvik in 1983/84 is still very important! especially considering the funding for council's current technical advisor may end this year after the BSEAP hearings are completed. The advisor is currently funded by FEARO.

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PROJECT: NEAR TERM.

PRIORITY: 3

TITLE: SOCIAL SERVICES BASE STUDY

RESPONSIBLE AGENCY: GNWT- DEPARTMENT OF SOCIAL SERVICES

OBJECTIVE:

- assess the Department of Social Services' ability to cope with the effects of development;
- assess impacted communities' ability to handle effects of development;
- develop indices of social change in communities;
- establish baseline data using those indices;
- gather data on an ongoing basis;
- identify other research and planning required in future years.

DESCRIPTION:

This is a base planning project. We do not have baseline data of social change beyond Financial Assistance, Children in Care and data on persons in Correctional Centres, or on Probation or Parole. Other indicators for social change such as in the areas of mental health, alcohol use, drug use, must be identified and arrangements made to collect received data. The baseline data collection is already long overdue.

This data collection is part of a process of determining:

- what are the changing needs for Social Services in each impacted community, and
- how the Department can best deliver current services especially statutory services, to each impacted community, and
- develop a plan for meeting those needs.

In the course of this work, further research and planning requirements will become evident. It is anticipated that as development proceeds through its various stages, needs will change in various communities at different times since communities go through different stages of development at different times. Thus, this "community" and departmental planning effort will require updating and modification. It must be remembered that although the NOGAP exercise calls for a 1990

Target Date of Government Preparedness, impacts on community and people are already well underway.

This work will be carried out by term staff and consultants will work with senior regional Social Services staff Community Social Service workers and also draw on a variety of community input in identifying needs and planning services.

RELATIONSHIP TO OTHER PROJECTS AND PROGRAMS:

This project is basic to delivering Social Services under the rapidly changing social conditions of resource development. Such planning is required in order to avoid inadequate, inefficient and chaotic delivery of statutory services, let alone services that ameliorate the stress of rapid change.

MILESTONES:

within one month of funds becoming available - hire staff.

within nine months of funds becoming available - have data indices identified and data collection organized,

within one year of funds becoming available - have established study process with regional staff and reviewed communities' perceptions of recent developments in MacKenzie Valley, especially Norman Wells for application to the Beaufort.

within two years of funds available - have preliminary plan for deployment of Department of Social Services resources. Research staff will specialize in specific areas of program delivery.

within three years of funds available - have established communities' perceptions of needs and developed, with the communities, plans for meeting needs and solving problems. Identification of requirements for integration and modification of departmental delivery of services plan.

within four years of funds available, have identified other research and planning and identified short-term services delivery plan modifications to meet changing needs. Have identified long-term services delivery plan. Research projects will be developed and carried out within this mandate and will form the base for implementation in the Regions.

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RESOURCES REQUIRED:

		P.Y.	Salary	O & M	\$000's Total
the nc of	1984/85	1.5	75	135	210
	1985/86	3	150	220	370
	1986/87	3	150	220	370
	1987/88	4	200	330	530
	1988/89	4	200	330	530
	1989/90	4	200	330	530
	199e/91	1.5	75	135	210

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PROJECT: NEAR TERM

PRIORITY: 4

TITLE: GUIDELINES FOR PLANNING

RESPONSIBLE AGENCY: GNWT RENEWABLE RESOURCES

OBJECTIVE:

Background research and evaluation of land use programs and resource development scenarios is required to achieve the following objectives:

To develop policy guidelines which provide specific decision-making criteria for the use of land and defined renewable resource use options.

- To develop an integrated system for the management and coordination of required studies for planning and predictive impact assessment.
- To develop specific guidelines and mitigative measures for protecting renewable resource use potentials.

DESCRIPTION:

This activity is required to expand the governments policy base and decision making criteria related to environmental management issues. Policy guidelines and criteria specifically directed at the use of land and renewable resources are essential before management programs, which represent the broad array of interjurisdictional and public interest, can be implemented.

This project would ensure that current information is organized and analyzed for decision-making and that necessary information is collected in other NOGAP projects. A comparative analysis between other land use programs and the present development scenario's will assist in defining policy goals. This study will contribute to a sound understanding of those environmental management issues associated with Beaufort Sea Oil and Gas development and provide direction required in developing the necessary policy guidelines which will ensure that non-renewable resources development occurs in an acceptable manner.

MILESTONES:

While policy development activities are ongoing requirements? milestones will be determined through the preparation of those items identified in the objectives, their testing and application. It is anticipated that the required work outlined above can be completed over a four year period.

- discussion of the possible management strategies available to a community council to deal with community impacts;
- training in the implementation of management strategies and regulatory mechanisms, and;
- training to generally upgrade managerial and technical skills required to deliver improved and expanded services necessitated by development.

This training program could also be used to assist departmental and GNWT staff in the management of community impacts and issues that arise because of Beaufort development.

This project is needed in the near term to establish a solid foundation in which Council and municipal administrators can build for future years when dealing with resource development issues. Adequately trained municipal staff is a necessity; local governments are going to cope with Beaufort development. Since enhanced skills are required at the time that development occurs; it is essential that the training opportunities be provided well in advance of development.

RELATIONSHIP WITH OTHER PROJECTS:

This program when combined with the proposed project, to Community Councils and Staff to identify impacts and plan for development (priority 6) would result in a full person-year being located in the Inuvik region to assist community councils. Training opportunities for staff and councillors prior to development are essential for community governments to deal effectively and confidently with impacts. Failure to improve these skills will result in an increased reliance on the resources of senior levels of government and will erode the decision making capabilities of the community governments.

RESOURCES REQUIRED:

\$58,500 is required in 1984/85 and in 1985/86. This would provide \$30,000.00 for half a person year to deliver the training materials, \$20,000.00 in each of the first two years for production of training packages and presentation materials and \$8,500.00 per year for travel expenses.

\$43,000.00 would be required for each subsequent year from 1985/87 to 1988/89 comprising \$30,000.00 per year for half a person year for delivery of training materials and \$5,000.00 per year for training materials, and \$8,000.00 for travel expenses.

PROJECT: NEAR TERM

PRIORITY: 6

TITLE: TECHNICAL ASSISTANCE TO COMMUNITY COUNCILS AND STAFF
TO IDENTIFY IMPACTS AND PLAN FOR DEVELOPMENT.

RESPONSIBLE AGENCY: GNWT DEPARTMENT OF LOCAL GOVERNMENT

OBJECTIVES:

To ensure the Inuvik regional office of the Department of Local Government can adequately respond to the increasing needs of municipal i ties for technical advice and assistance to deal with community impacts.

DESCRIPTION:

Community councils and their staff in addition to training programs and workshops, require support and advice on a day-to-day basis an issues related to the operation and administration of community governments being impacted by Beaufort development. This staff person would act as the liaison and co-ordinators for the communities of Tuktoyaktuk (i tern 4) and Inuvik (item 5). This position would provide the same support service to the other communities in the region being impacted by Beaufort development.

Since one man year can not be justified for' each of these communities this would seem the most appropriate way to ensure that these communities have the support and assistance they need to deal effectively with the administration of their communities. Existing departmental resources in the Inuvik region cannot provide this level of support and expertise.

A specialist position in the Inuvik region is required to work with communities on a frequent basis to provide them with the necessary information and skills to undertake effective municipal management. When combined with the proposed project to develop and to deliver training programs (priority 5) this results in the need for one person year in the Inuvik region for a Regional Training and Development Officer who has a special knowledge of resource development.

Technical assistance is currently being provided to resource communities such as Norman Wells and Tuktoyaktuk but on a very limited scale and at the expense of other responsibilities and communities. Inuvik and Tuktoyaktuk will be most directly impacted and therefore have a high priority, following which, as soon as possible, the same services should be provided to the other impacted communities.

RELATIONSHIP WITH OTHER PROJECTS:

The Inuvik regional office requires a specialist position to work with municipalities on an ongoing basis to provide assistance on how to plan, prepare and manage the municipal impacts that will be associated with Beaufort development. As well as acting as a liaison and co-ordinator for the positions of community development co-ordinator in Tuktoyaktuk and Inuvik, both to be funded as near-term projects, this position would provide the same services to communities in the region not having a community development co-ordinator. This program would identify the need for special studies in other communities which would in turn be funded in later years through NOGAP.

RESOURCES REQUIRED:

\$37,000.00 will be required per year from 1984/85 through 1990/91 for one half person-year, Over the same period \$5,000.00 will be required for travel .

PROJECT: NEAR TERM

PRIORITY: 7

TITLE: RESEARCH AND POLICY DEVELOPMENT ON THE FINANCING AND PROVISION OF MUNICIPAL INFRASTRUCTURE IN RAPIDLY GROWING COMMUNITIES.

RESPONSIBLE AGENCY: GNWT

OBJECTIVE:

- to ensure all levels of government and industry understand their roles and responsibilities with respect to the provision and financing of municipal infrastructure.

- to ensure municipalities and the Department of Local Government have appropriate mechanisms in place, prior to Beaufort development, to provide the municipal infrastructure that is necessary to accommodate the population growth.

DESCRIPTION:

Resource communities are faced with the problems of providing an enlarged infrastructure base (eg. new roads, water/sewer systems and recreational facilities) in a very short period of time before new residents or workers begin to move into the community. In tax-based municipalities this infrastructure is usually required before the municipality has an industrial tax-base to support the necessary capital projects. This time lag problem is further compounded if the industrial tax-base is located outside the municipality and therefore tax revenue will flow to a jurisdiction that does not have to provide community infrastructure for the new residents (eg. shore base pipelines and production facilities located outside Inuvik and Tuktoyaktuk).

In non tax-based municipalities the GNWT has limited resources to finance capital projects that are required in rapidly growing communities.

Other problems related to provision of capital infrastructure include who should bear the risk of providing infrastructure in a boom/bust economy: the limited administrative and technical capability of municipalities and the GNWT to plan, design and manage the construction of a large number of capital projects in a very short period of time and finally should infrastructure be provided for peak construction population or the permanent long term population.

These issues must be resolved prior to the infrastructure being required if the communities are to have adequate levels of

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services available to them during times of rapid growth.

The Department needs to undertake a study, to determine how capital infrastructure can be provided and financed to communities experiencing a rapid and large expansion of their municipal infrastructure because of Beaufort hydrocarbon development. The study WOULD include a review of how other jurisdictions have dealt with the issue; and identification of possible options to solve the issues; and development of new or revised programs and/or grant structures by the Department. Issues include: who should pay for the provision of municipal capital projects that are required by resource development (eg. municipality, GNWT, federal government or industry); who should provide the municipal capital projects that are required by resource development (eg. municipality, GNWT, industry and non-profit development corporation); how should municipal infrastructure projects be undertaken (eg. who decides when the infrastructure is required); how can the risk of providing infrastructure in a boom/bust economy be reduced for municipalities, and finally how can municipalities acquire a sufficient tax-base to cover long term operating costs if a large part of the industrial tax-base is outside the municipal boundary.

Policy direction on the provision of municipal infrastructure is needed as soon as possible to allow industry and other levels of government to take such policies into account during their planning for Beaufort development. For example industry before making any decisions on where to locate new employees will need to know such questions as who will pay for the infrastructure, how will it be provided and when will it be provided.

A minimum of three years is usually required before major municipal infrastructure can be planned, designed and constructed.

RELATIONSHIP WITH OTHER PROJECTS:

The results of this study will provide an overall framework in which the question of how land development projects should be undertaken can be examined in more detail. The results will also assist Inuvik and Tuktoyaktuk plan for development by providing the needed certainty with respect to how capital infrastructure will be provided in their communities.

RESOURCES REQUIRED:

\$106,500.00 in 1984/85 O & M funding

PROJECT: NEAR TERM

PRIORITY: 8

TITLE: FEASIBILITY STUDY ON COMMUNITY SUPPLY OF GAS AND/OR OIL

RESPONSIBLE AGENCY: GNWT - PUBLIC WORKS

OBJECTIVES:

The objective of this study is to investigate the feasibility of meeting the oil and/or gas requirements of communities along the pipeline routes of the proposed hydrocarbon development. The supply of community energy requirements from proposed hydrocarbon development is one principle underlying the GNWT policy on Energy.

DESCRIPTION:

Through consultants expert in the field a preliminary feasibility study would be commissioned to address:

- gas supply only - the study will examine both the potential for tapping into pipeline transportation networks and the potential for tapping into gas wells located adjacent to communities. Specific areas to be emphasized include the quality of the gas and any processing required for community use, and degree of proximity of pipelines to potential users necessary for viability of supply.
- oil and gas supply - the study will examine the potential for refinery operations in the NWT to satisfy energy requirements of communities and other major users such as N.C.P.C. The economic viability, including potential transportation networks will be reviewed against the lifetime of the supply.

The early initiation of the preliminary study is essential. If study results are positive and the viability of community energy supply is indicated, detailed planning must commence.

Negotiations and discussion of the incorporation of a supply source for communities into industry's design for refining and/or transportation facilities will be a long process. These must be included in design before regulatory hearings take place. The feasibility study is expected to take one year. Follow up detailed investigation would occur over two years, with design incorporation possibly taking up to five years, however these latter two tasks are not included for funding at this time.

EXPECTED RESULTS:

The results of the preliminary feasibility study will indicate the potential of proposed hydrocarbon developments supply community energy needs. If the results are positive, further investigation and discussions with affected parties such as industry and other users (eg. N.C.P.C.) would have to be initiated.

RELATIONSHIP TO OTHER PROJECTS:

This project relates directly to current GNWT energy supply programs. The project supports the stated GNWT position on energy.

RESOURCES REQUIRED:

In 1984/85 the project will require \$53,000.00.

PROJECT: NEAR TERM

PRIORITY: 9

TITLE: MONITORING SYSTEM - NORTHERN HYDROCARBON DEVELOPMENT

RESPONSIBLE AGENCY: GNWT - ENERGY MINES AND RESOURCES SECRETARIAT

OBJECTIVE:

- to define and assess the various options for implementing a preferred comprehensive monitoring system for northern hydrocarbon development.
- make GNWT, federal, community and industrial sources of data more responsive to the needs of the monitoring system.
- make recommendations on how best to organize, centralize and systematize data systems for optimum effectiveness in monitoring.
- evaluate the preferred monitoring system on a pilot project basis to determine the reliability, availability and cost effectiveness of sectoral data collection and the expense and merit of adjusting the data collection system.

DESCRIPTION:

- identify impacts which should be monitored
- define and assess indicators to be used in monitoring
- use existing experience and literature in the field for defining an optimal monitoring system (ie. the joint GNWT/DIAND contract with UBC) to recommend a framework for monitoring will be an important starting point to developing a comprehensive system responsive to GNWT needs yet compatible with community, federal government and industry needs..

MILESTONES:

- a list of impact areas which require monitoring
- a list of key indicators to be monitored
- an indication of the methods and costs of obtaining data
- recommendations on the optimal ways to make data and the results of monitoring available to appropriate individuals, agencies and groups

EXPECTED RESULTS:

The multi year study is expected to result in clear, actionable recommendations for the implementation of a workable and effective comprehensive monitoring system for northern hydrocarbon development. The system will subsequently result in ongoing improvements in hydrocarbon development projects through incorporation of iterative refinement recommendations. Information collected and lessons learned from monitoring will be a valuable input in GNWT and federal strategy development project planning and more effective community involvement and participation in resource development.

RELATIONSHIP WITH OTHER PROJECTS:

Monitoring related to virtually every other proposed GNWT planning and research project in that monitoring will be assessing the impacts or effects of development and influencing the areas over which the GNWT has control, concerns; influencing in turn the way that development occurs. These same areas are the ones where GNWT proposes research and planning projects. The lessons learned from monitoring will be useful not just to GNWT but also for communities, federal government and industry for both policy formulation and operational planning.

RESOURCES REQUIRED:

The study will require 2 years of fulltime consultants attention during 1984/85 and 1985/86 with 1/2 year in each of the two successive years 1986/87 and 1987/88.

	1984/85	1985/86	1986/87	1987/88
P.Y.	1	1	.5	.5
(contract)				
CONTRACT	45	45	27	27
O & M	20	20	8	8
	-----	-----	-----	-----
(\$000's)	55	65	35.5	35.5

PROJECT: NEAR TERM

PRIORITY: 10

TITLE: INVESTIGATION OF BOOM/BUST CYCLES

RESPONSIBLE AGENCY: GNWT - ENERGY MINES AND RESOURCES SECRETARIAT

OBJECTIVE:

- to undertake research and policy development aimed at reducing the social and economic instability inherent with boom/bust cycles; and thereby insure manageable balanced growth.

PROJECT DESCRIPTION:

Research will be carried out to identify the range of options available to influence and control growth. The options will be evaluated to determine relative effectiveness and to define which options should most appropriately be carried out by government, community and industry. The study will identify and make recommendations for managing jurisdictional splits and overlaps and will provide the basis for GNWT Policy formulation to mitigate the problem.

MILESTONES:

- options available to government, communities and industry will be identified and evaluated
- the likely effects of each option will be delineated
- strategies will be formulated to ensure effective GNWT's management of the boom/bust growth issue and to guide GNWT involvement with other government, the communities and industry in joint action to mitigate problems.

EXPECTED RESULTS:

GNWT would have identified and evaluated the various options and chosen its preferred methods for dealing with boom/bust growth issues in the Beaufort Region. The relationship, responsibilities and relative roles of other affected governmental, community and industrial players, in mitigating boom/bust effects, will be better understood. This in turn will enable more effective coordinated joint planning to occur. The GNWT Policy on handling boom/bust growth will be employed extensively in community and regional planning, in direct negotiations with industry and in the development of joint government positions on development proposals.

RELATIONSHIP TO OTHER PROJECTS:

This is a key project in that it will define the context criteria within which subsequent GNWT projects proposals would be undertaken. It will therefore form the basis for formulating major strategies on hydrocarbon development and for subsequent more definitive policy decisions.

RESOURCES REQUIRED:

This project would require a consultant over 1 year including substantial O & M requirements for travel, accommodations and communications.

	1984/85
contracts	\$45,000
O & M	\$20,000

	\$65,000

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PROJECT: NEAR TERM

PRIORITY: 11

TITLE: DAY CARE STUDY

RESPONSIBLE AGENCY: GNWT - SOCIAL SERVICES

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OBJECTIVE:

The objective of this study are to:

- study the day care requirements for persons working in industry
- develop solutions to problems created by shift work and rotation

DESCRIPTION:

This study will investigate the day care needs of the employees of various resource development projects in the NUT. This study will include communities that are directly involved in the development such as Tuktoyaktuk; as well as communities that are affected by the rotation of employees ie, Coppermine. Once the problems of these individual communities have been identified and evaluated and an options will be produced outlining possible solutions to the problems identified.

RELATIONSHIP TO OTHER PROJECTS AND PROGRAMS:

This study will be related to many of the social service programs as day care is instrumental in reducing social assistance as well as supplying additional labour to a potentially sparse labour market. The results of the program will be immediate appreciable to the exploration stage and will be refined through monitoring for optimum effectiveness when the production phase begins.

EXPECTED RESULTS:

- comprehensive set of guidelines will be produced to provide government, industry and the individual with the necessary information to develop an efficient and effective Day Care structure.

REQUIRED RESOURCES:

The research study will be undertaken in 1984/85 at a cost of \$10,000 for contracted services.

PROJECT: NEAR TERM

PRIORITY: 12

TITLE: RESEARCH TO DEVELOP A TRAINING PROGRAM FOR SOCIAL SERVICES WORKERS

RESPONSIBLE AGENCY: GNWT - SOCIAL SERVICES

OBJECTIVE:

Define the training requirements to ensure that Social Services personnel have the necessary skills to work in the oil and gas environment. Particular emphasis will be placed on training requirements to address alcohol related problems. Determine the methods for delivering this training in the most efficient manner to field staff.

DESCRIPTION:

The nature of the population is constantly changing. The demands on the Social Services staff are great and constantly changing. The methods for delivering services to the population must be able to adapt as demands shift. This study will identify the needs and the possible methods of service delivery, assess those methods and recommend an optimum direction.

RELATIONSHIP TO OTHER PROJECTS:

This study will relate to the Social Services Base Study as well as other studies as determined by initial research. Alcohol training will be useful in development of other alcohol programs.

MILESTONES:

The first year of this study will identify service delivery problems. The second year will result in the identification of optimum delivery methodologies.

RESOURCES REQUIRED:

	1984/85	1985/86
P.Y.	.5	.5
SALARY	25	25
O & M	65	84
TOTAL \$000's	94	109

PROJECT: NEAR TERM

PRIORITY: 13

TITLE: DEVELOPMENT OF AN ACCEPTABLE PAYMENT SYSTEM

RESPONSIBLE AGENCY: SOCIAL SERVICES

OBJECTIVE:

Undertake research into industry's salary payment system to determine the criteria for payroll management that would:

- allow worker independence and maintain worker rights, and
- ensure that ways for return to the community to meet the needs of the worker's family

DESCRIPTION:

Many workers are unfamiliar with the wage economy. Others continue to experience difficulty managing money even though they are expected to co-exist with the wage economy. Research needs to be carried out to develop a legal and acceptable payment system that will ensure that the worker's family as well as the rotational shift worker receive the benefits of wage employment.

RELATIONSHIP TO OTHER PROJECTS:

This would be related to and is necessary input into the Rotational Study and the Family Life Education research. The results of this project will be applicable to the exploration as well as production phases. Early completion will therefore be beneficial for other related research program.

RESOURCES REQUIRED:

DE	1984/85
P.Y.	
SALARY	
O & M	\$5,000

TOTAL	\$5,000

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PROJECT: NEAR TERM

PRIORITY: 14

TITLE: WILDLIFE HARVEST STATISTICS

RESPONSIBLE AGENCY: GNWT - RENEWABLE RESOURCE

OBJECTIVE:

A clear and up-to-date understanding of the relative importance of wildlife to the nutritional base of the communities must be developed. This understanding is basic to design of management programs. Management for subsistence, commercial and outdoor recreational use of wildlife and necessary habitat protection efforts can not be fine-tuned until this gap of information is fulfilled and well understood. A harvest study program must span several years to obtain harvest statistics with a high degree of confidence regarding harvesting trends.

Specific objectives of the study are focused on:

- determining both historical and current harvest efforts and wildlife numbers utilized.
- determining both historical and current harvesting areas and habitat requirements.
- establishment of the infrastructure and framework needed to obtain consistent harvest information over an extended period of time. This requires community support and confidence.

development and implementation of a sound conservation education and communication program which deals with departmental management and regulatory needs.

DESCRIPTION.1:

This activity is necessary to develop baseline knowledge of the use and dependence on culturally and economically important species to Communities in the Beaufort Region. Accurate wildlife Population and harvest information is essential for resource management and regulation of this use so as to protect the economic and nutritional base of the communities which will be affected by existing exploration and development in the Beaufort Sea Region.

This project work will involve ongoing communications with communities and resource harvesters. Program design and management needs will be discussed. Tasks will include research and actual data collection from harvesters. Program design is a

critical element.

Land capability and use maps will be prepared and information computerized.

MILESTONES:

Timing and program evaluation will coincide with the design of the harvest program, community involvement and acceptance of the harvest program, and through evaluation and comparison of results after a minimum of three years of data collection.

EXPECTED RESULTS:

The project will provide reliable information on the use and importance of wildlife species to communities that potentially be impacted by non-renewable resource development. Information will provide a basis for management decisions and priorities, as well as for indications on habitat needs and protection. Conflicts between resource use can be more objectively resolved.

RELATIONSHIP TO OTHER PROJECTS:

This project and resulting information will provide guidelines for wildlife management programs and will directly influence policy guidelines and criteria for land use planning and conservation strategy initiatives which are jointly being worked on by the federal and territorial governments.

RESOURCES REQUIRED:

	1984/85	1985/86	1986/87	1987/88	1988/89
P.Y.	3	2	2	2	2
SALARIES	117.2	75.3	75.8	75.8	75.8
O & M	34.5	31.8	31.5	31.5	31.5
CAPITAL	5	5			
TOTAL \$000's	156.7	112.6	107.3	107.3	107.3

P.Y.'s will be required to facilitate interaction with and communication with hunters and trappers associations and communities. Research, program design and modification; computer modeling and data manipulation will be required.

O & M will include salary and contract costs to hunters in communities, to pay for their assistance and travel costs for staff, for community presentations and interaction.

PROJECT: NEAR TERM

PRIORITY: 15

TITLE: DETERRENT STUDIES

RESPONSIBLE AGENCY: GNWT - RENEWABLE RESOURCES

OBJECTIVE:

- to promote educational materials and presentations to industrial workers on each of these species; and to provide them with necessary detection and deterrent information while working in their habitat.
 - to minimize conflicts resulting from increased exploration and development activity in the Beaufort Region.
- to protect bear denning sites and raptor nesting areas.

DESCRIPTION:

*Deterrent studies and public education regarding man/wildlife conflict for polar bear, grizzly bear and raptors requires attention as such conflicts are occurring during the exploration phase.

These species are threatened and in the case of man/bear conflict, human safety is a major concern as well as the common result of bear population reduction in the Beaufort Region.

Grizzly bears are intolerant of human intrusion on their range. Polar bears on the other hand are curious and investigate new activities in their areas. Protection of these species requires development and testing of detection and deterrent mechanisms to keep men and bears apart in the field as well as protection of critical areas. This research is ongoing. Feasibility studies will determine the efficiency and effectiveness of current techniques. Raptors are sensitive to disturbance. Work will be done to determine the degree of sensitivity during different time periods such as nesting. Educational materials on the characteristics of each species is required to inform companies working in the Beaufort Region. Airphoto analysis and ground verification will be completed to determine use areas. This information will provide valuable management information. Educational material and information on areas of potential conflict will be provided to industry.

MILESTONES:

This project is an extension of previous work done on deterrent Development and testing of deterrent methods is required until results clearly support effective deterrents under varying situations related to" development.

EXPECTED RESULTS:

Information obtained will be used in the development of management programs and education materials. Effective deterrent methods will lead to fewer man/wildlife conflicts, needless destruction of wildlife and protection of critical habitat.

RELATIONSHIP TO OTHER PROGRAMS:

This work will compliment efforts to prepare mitigative measures +or development and will also assist in the development of guidelines and criteria for land use planning.

RESOURCES REQUIRED:

	1984/35	1985/'36	1986/87
P.Y.	1	1	1
SALARIES	41.4	41.4	41.4
O & M	24.4	24.3	24.3
CAPITAL	10	5	5
	-----	-----	-----
TOTAL \$000's	76	70.7	70.7

The Person Years required to undertake research, assist in development of educational materials, map species distribution, test deterrents and provide demonstrations on use of deterrents.

O & M will provide travel support and necessary materials for education. Capital will be required for the purchase and testing of deterrents, and mapping equipment.

PROJECT: NEAR TERM

PRIORITY: 16

TITLE: INVESTIGATE RESPECTIVE RESPONSIBILITIES OF INDUSTRY AND GOVERNMENT RE: HIGHWAYS

RESPONSIBLE AGENCY: GNWT - PUBLIC WORKS

OBJECTIVE:

As background to this issue, GNWT through the Department of public Works has the responsibility for highways maintenance and is currently in the process of negotiating the transfer of program responsibility for the Highways Reconstruction Program. The next step is of course the transfer of responsibility for new road construction. The GNWT's position on the transfer of further program responsibility is:

	Reconstruction	New Roads
Policy Development:	- development and approval of policy should be the joint responsibility of the GNWT and Federal Government as both Territorial and National objectives are to be met.	
Standards and Criteria:	- prior to transfer a joint responsibility	- jointly developed and approved
Planning:	- GNWT	- Joint

Therefore, this investigation will establish a policy framework for negotiation with the Federal Government and industry concerning roles and responsibilities for:

- standards for opening new roads,
- public access to roads constructed for industrial use,
- cost sharing regimes. when opening a new road, to the economic advantage of industry.

DESCRIPTION:

Departmental staff will analyze the potential requirements of resource developers for road transportation infrastructure. A review of infrastructure required solely by industry, that of general public value and that of joint use and value will be undertaken. The experience of other jurisdictions with cost sharing will be examined. A GNWT position for each of the issues identified above will be developed over the course of the project.

EXPECTED RESULTS:

The results of the project will enable the GNWT in co-operation with the federal government to discuss the transportation issues identified.

RELATIONSHIP TO OTHER PROJECTS:

This project is related to other projects, including;

- accelerated highways planning and planning for optimum roads corridor,
- the cost sharing of transportation infrastructure for communities,
- road use safety and legal considerations.

RESOURCES REQUIRED:

In 1984/85 the project will require 0.5 PY and \$43,000.00. Near term phasing is essential for government and industry planning.

PROJECT : NEAR TERM

PRIORITY: 17

TITLE: ACCELERATED HIGHWAYS PLANNING

RESPONSIBLE AGENCY: GNWT - PUBLIC WORKS

OBJECTIVE:

The GNWT through the Department of Public works has the responsibility for highways maintenance and is currently in the process of negotiating the transfer of program responsibility for the highways reconstruction program. The next step is of course the transfer of responsibility for new road construction. GNWT's position on the transfer of further program responsibility is:

	Reconstruction	New Roads
Policy Development	development and approval of policy should be the joint responsibility of the GNWT and the Federal Government as both Territorial and National objectives are to be met.	
Standards & Criteria	Prior to transfer a joint responsibility.	Jointly developed and approved.
Planning	GNWT	Joint

Within the framework highlighted above, the objective is to plan for the optimum roads corridor in light of proposed hydrocarbon development. Another product of this project will be legislation which contains standards and criteria for road safety and corridor use.

DESCRIPTION:

A general planning framework will be developed by Departmental staff, assisted by consultants as required, that will:

identify potential users of a highway corridor under the proposed hydrocarbon development scenario,

- research potential conflicts among highway users,
- develop solutions for competing uses of the corridor!
- draft legislation governing standards and criteria for corridor use (i.e., placement of utilities) and governing safety aspects of highway use (i.e., weight restrictions, signage).

Co-operation with the federal government will be essential. Discussions to ensure the fulfillment of both governments' respective responsibilities for highways will be an integral part of this project.

MILESTONES:

The first year of the project will see the completion of the GNWT position on the specific areas identified above. The second year of the project will allow for any technical adjustments necessary to existing highway right-of-way plans, (such as rerouting or highway/pipeline comparability problems) and development of necessary legislation.

EXPECTED RESULTS:

The results of the project will provide the basis for both government and industry planning and design for a highways corridor lower.

RELATIONSHIP TO OTHER PROJECTS:

This project is closely related to our proposed Highways Project - Investigate Respective Responsibilities of Industry and Government (priority 16). Although it is necessary to have transportation plans, the financial reality of who will pay for the infrastructure must be addressed at this early stage.

The transportation network issue, being an essential infrastructure element, is generally related to many projects/programs; for example, business and other resource development opportunities, tourism, cost of living, individual and community well being, etc. (i.e., a diverse range of social and economic factors).

RESOURCES REQUIRED:

In 1984/85 requirements would be one FY and \$213,000.00; in 1985/86 one FY and \$213,000.00 would also be necessary.

Early phasing of this project is essential to the time schedule to plan for, design and have the necessary lead time to construct any extension to the Mackenzie highway. The project will address the issues which must be resolved before the normal planning, design and construction (estimated at 5 years) for such a major capital work can be undertaken.

PROJECT: NEAR TERMS

PRIORITY: 18

TITLE: RESEARCH AND POLICY DEVELOPMENT ON NEW COMMUNITIES

RESPONSIBLE AGENCY: GNWT - LOCAL GOVERNMENT

OBJECTIVE:

To develop a GNWT position on the development of new communities in the Beaufort Sea and MacKenzie Delta area.

DESCRIPTION:

It is anticipated that the question of new communities will arise in the near future and the GNWT will have to provide policy direction to municipalities, industry and the federal government on this subject.

The development of hydrocarbon resources in the Arctic may result in the possibility of new communities being established or the establishment of shorebases which could develop into new communities over a period of time. The GNWT and the Department do not have detailed policy guidelines which would assist them in deciding when new communities are desirable and how they should be developed. The lack of policy directions impedes effective planning and decision making by the GNWT.

A two Year study to be conducted in stages is required to research and develop a GNWT policy on new communities. Funds would be needed to hire expertise in such fields as new town design and planning, municipal finance, municipal organization and social planning. Part of the funds would be used to create a term position to supervise the consultants and to assist in the implementation of the recommendations of the study. The terms to be covered in the study would include:

- the advantages and disadvantages of creating new communities versus expanding existing communities
- what economic and social conditions are necessary before new communities became desirable
- who would be responsible for the design and planning of new towns development
- who should pay for new town development

- what kind of community government should be developed in new communities
- what type of actions should be taken to reduce problems associated with the boom/bust economy of single industry towns
- what level of service should the Department and provide to resource camps and shorebases
- how should the location and development of shore be regulated and controlled to ensure they do not become new communities

RELATIONSHIP WITH OTHER PROJECTS:

This project will complement the policy direction of the GNWT the Provision of Municipal Infrastructure (priority #7) and Development & Planning (priority #19) in existing communities. Municipal planning priority projects 2 and 6 will also assist in the work on new communities because community growth strategies will be better defined by each individual council during the time the project is undertaken.

RESOURCES REQUIRED:

\$138,000.00 in 1984/85 (O & M funding)
\$117,000.00 in 1985/86 (O & M funding)

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SUMMARY OF NEAR TERM PROJECTS (BY PRIORITY)

NOGAP RESEARCH AND PLANNING REQUIREMENTS

1984-85 TO 1998-91

GOVERNMENT OF THE NORTHWEST TERRITORIES			RESEARCH & PLANNING RESOURCE REQUIREMENTS						
PROJECT TITLE :	GNWT PRIORITY	START / DURATION	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
			PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S	PY cell's	PY \$000'S
NOGAP COORDINATOR	1	84/85 7yrs	1 65	1 65	1 65	1 65	1 65	1 65	1 65
STUDY FOR INUVIK AND TUK TO 10 E4T1FY IMPACTS AND PLAN FOR DEVELOPMENT	2	84/85 7yrs	1 234	1 314	1 448	1 360	1 314	1 341	1 341
/ SOCIAL SERVICES BASE STUDY	3	84/85 7yrs	1.5 210	3 370	3 370	4 530	4 530	4 530	1.5 210
GUIDELINES FOR PLANNING	4	84/85 4yrs	2 104.2	2 98.8	2 98.8	2 98.8			
DEVELOPMENT OF MUNICIPAL TRAINING PACKAGES	5	84/85 7yrs	.5 58.5	.5 58.5	.5 43	.5 43	.5 43	.5 43	.5 43
TECHNICAL ASSISTANCE TO COMMUNITY COUNCILS AND STAFF	6	84/85 7yrs	.5 37	.5 37	.5 37	.5 37	.5 37	.5 37	.5 37
RESEARCH AND POLICY DEVELOPMENT ON FINANCING MUNICIPAL INFRASTRUCTURE	7	84/85 1yr	166.5						
FEASIBILITY STUDY ON COMMUNITY SUPPLY OF OIL AND/OR GAS	8	84/85 1yr	53						
MONITORING SYSTEM	9	84/85 4yrs	1 65	1 65	.5 35	.5 35			
MITIGATION OF BOOM/BUST CYCLES	10	84/85 1yr	1 65						
, DAY CARE STUDY FOR SHIFT AND ROTATIONAL WORKERS	11	84/85 1yr	10						

SUMMARY OF NEAR TERM PROJECTS <BY PRIORITY>

NOGAP RESEARCH AND PLANNING REQUIREMENTS

1984-85 TO 1998-91

GOVERNMENT OF THE NORTHWEST TERRITORIES			RESEARCH & PLANNING RESOURCE REQUIREMENTS						
PROJECT TITLE:	GRANT PRIORITY	START./ DURATION	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
			PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S
RESEARCH TO DEVELOP A TRAINING PROGRAM FOR SOCIAL SERVICE WORKERS	12	84-85 2yrs	.5 94	.5 109					
DEVELOPMENT OF ACCEPTABLE PAYMENT SYSTEM	13	84-85 1yr	- 5						
WILDLIFE HARVEST STATISTICS	14	84-85 5yrs	3 156.7	2 112.6	2 107.3	2 107.3	2 107.3		
DETERRENT STUDIES	15	84-85 3yrs	1 76	1 70.7	1 70.7				
INVESTIGATE RESPECTIVE RESPONSIBILITIES OF INDUSTRY AND GOVERNMENT RE: HIGHWAYS	16	84-85 1yr	.5 43						
ACCELERATED HIGHWAYS PLANNING	17	84-85 2yrs	1 213	1 213					
RESEARCH AND POLICY DEVELOPMENT OF NEW COMMUNITIES	18	84-85 2yrs	- 138	- 117					
TOTAL NEAR TERM (PERSON YEARS)			14.5	13.5	11.5	11.5	9	7	4.5
(\$000'S)			1733.9	1630.6	1274.8	1276.1	169.53	1016	675

PROJECT: LATE NEAR TERM

PRIORITY: 19

TITLE: RESEARCH AND POLICY DEVELOPMENT ON LAND DEVELOPMENT
IN RAPIDLY GROWING COMMUNITIES

RESPONSIBLE AGENCY: GNWT - LOCAL GOVERNMENT

OBJECTIVE:

- to ensure all levels of government and industry understand their roles and responsibilities with respect to the preparation, financing and disposal of serviced lots that are required to support Beaufort development.
- to ensure municipalities and the Department of Local Government have appropriate mechanisms in place prior to Beaufort development! to provide the serviced land that will be necessary to accommodate the physical growth of the community.

DESCRIPTION:

Rapid population growth in communities such as Inuvik will require the development of a large number of lots for new housing in a very short period of time. Commercial and industrial lots will also have to be developed. The GNWT is presently developing with some difficulty small subdivisions (ie. 30 lots) in resource communities such as Norman Wells. As well, the Department and municipalities are still dealing with financial problems that resulted from the development of lots in the 1970's in anticipation of the Mackenzie Valley pipeline. The GNWT or community governments do not have the administrative or financial capability to undertake large land development projects (ie. 100 or more lots) in resource communities. Without the timely development of vacant lots to accommodate new growth the following problems are likely to occur: housing shortages, rapid increase in rents and housing prices, rapid increase in land prices, and the establishment of temporary squatter communities.

The Department needs funds to undertake a study to determine how land development in rapidly growing communities should take place. This study would include a review of how other jurisdictions have dealt with the issue, an identification of possible options to solve the issues and the development of a policy. Issues to be addressed in the study would include: who should undertake land development (eg. planning, design, and construction process); how should land development be financed (eg. municipal debentures, GWT capital, corporate loans, industry deferred property taxes and/or a special land development revolving fund for resource communities); how should the lots of the land development project be disposed of (ie. lease, or sale) to prevent land speculations and rapid increases in land prices.

RELATIONSHIP WITH OTHER PROJECTS:

It is necessary to examine land development as an issue separate from the more general investigations into the financing of municipal infrastructures because:

unlike other forms of municipal infrastructure such as roads, recreation facilities and municipal offices it is possible to recover costs directly from consumers of the infrastructure through the sale or lease of individual lots; and

unlike other forms of municipal infrastructure it is possible that industry should directly prepare, finance and dispose of the serviced lots.

RESOURCES REQUIRED:

\$160,000 in 1985/86 (O & M funding).

PROJECT: LATE NEAR TERM

PRIORITY: 20

TITLE: WILDLIFE MANAGEMENT

RESPONSIBLE AGENCY: GNWT - RENEWABLE RESOURCES

OBJECTIVE:

review and analyze existing areas of environmental significance and their criteria for classification

develop guidelines for identifying areas of environmental significance

prepare policy guidelines for conservation areas defining use criteria

- adapt variables and mapping requirements for conservation areas to micro-computers for application to Land Use Planning projects.

DESCRIPTION OF PROJECTS:

This expanded activity is required to meet imposed demands needed to support the development and implementation of the conservation strategy and provide needed information to support land use planning. Wildlife Habitat management programs must be prepared to support the implementations of the Renewable Resource Use Policy and guide the development of resource use strategies.

This project will involve the full time efforts of 1 P.Y. to conduct literature reviews, analysis of Habitat management programs, comparative studies on conservation areas, mapping and limited field work. Results of work efforts will include some Habitat Management Programs to be implemented in the Beaufort Development Region and Policies and guidelines for conservation areas. Criteria will be prepared for use during Land Use Planning exercises. The use of micro-computers will be applied to both land use planning and environmental assessment projects.

RELATIONSHIP TO OTHER PROGRAMS:

This specific project focused on wildlife habitat management will contribute to the Guidelines for Planning Project assist the renewable resource use initiatives and have direct application to Land Use Planning and Environmental Impact Assessment projects.

RESOURCES REQUIRED:

	1985/86	1986/87	1987/88
P.Y.	1	1	1
SALARIES	41.4	41.4	41.4
O & M	13.6	13.6	13.6
CAPITAL	5	5	5
	-----	-----	-----
TOTAL \$000's	60	60	60

This project will require 1 P.Y. for a three year period. O & M will provide travel and possible minimum contract assistance for adapting information to the micro-computer. Capital identified will cover computer materials and mapping requirements.

PROJECT: LATE NEAR TERM

PRIORITY : 21

TITLE: BASELINE INFORMATION

RESPONSIBLE AGENCIES: GNWT - RENEWABLE RESOURCES

OBJECTIVE:

To facilitate management of these culturally and economically important wildlife species in a region of major proposals + or non-renewable resource development activity the following objectives are identified:

- to develop reliable population data including total numbers, fertility and mortality information.
- to identify habitat requirements of existing wildlife populations.
- to develop an understanding of natural variability factors of wildlife populations.

DESCRIPTION:

This expanded activity involves baseline data collection of population statistics and habitat range information of caribou, muskox, grizzly bear, polar bear, and raptors.

Caribou, muskox, grizzly bear, polar bear and raptors are of significant cultural and economic value to the communities in the Beaufort Region. This project will provide information needed to develop effective management programs to maintain total numbers, productivity and habitat requirements. This work is a supplement to current efforts to understand total wildlife populations and factors influencing these numbers..

Studies will require consultation with the eight communities in the area, to explain rationale, intent and methods. Hunters from these communities will participate in field work. These projects will contribute to a better understanding of biological research by native participants.. Detailed study design and method will be provided upon the general acceptance of this program.

MILESTONES:

While general population information collection is ongoing, productivity values can be determined over a 3-5 year study period. Similarly habitat requirements and available habitat can be determined over this time frame.

EXPECTED RESULTS:

Studies will provide reliable information on existing populations, natural variability of populations, product; values, total habitat available and critical habitat requirements.

RELATIONSHIP TO OTHER PROJECTS:

These study programs will contribute valuable information needed for Land Use Planning, Environmental Impact Assessment and the preparation of renewable resource use programs.

RESOURCES REWIRED:

STUDY COMPONENT	1985/'86		1986/'87		1987/8S		1988/'89	
	P.Y.	\$000	P."Y.	\$000	P.Y.	\$000	P.Y.	\$000
CARIBOU	2	213	2	213	1	80	1	80
MUSK OX	1	112	1	96	1	35		
GRIZZLY BEAR	.5	37	.5	37	.5	26	.5	26
POLAR BEAR	1	288	1	202	1	170	1	176
RAPTORS	.5	64	.5	43	.5	43	.5	43
TOTAL \$000's	5	715	5	597	4	404	3	319

SUMMARY "B" LATE NEAR TERM PROJECTS PRIORIZED

NOGAP RESEARCH AND PLANNING RESOURCE REQUIREMENTS

1984-85 TO 1998-91

GOVERNMENT OF THE NORTHWEST TERRITORIES			RESEARCH & PLANNING RESOURCE REQUIREMENTS						
PROJECT TITLE :	GNWT PRIORITY	START / DURATION	1984-85	1985-86	1986-87	1987-88	1988-89	1989-96	1990-91
			PY \$000'S	PY \$866's	PY \$000'S	PY \$000's	PY \$099's	PY 000'S	PY \$000'S
RESEARCH AND POLICY DEVELOPMENT ON LAND DEVELOPMENT IN RAPIDLY GROWING COMMUNITIES	19	85/86 1yr		160					
WILDLIFE MANAGEMENT	20	85/86 3yrs		1 60	1 60	1 60			
BASELINE STUDIES	21	85/86 4yrs		5 715	5 597	4 404	3 319		
TOTAL LATE NEAR TERM (PERSON YEARS) (\$000'S)				6 735	6 657	5 464	3 319		

PROJECT: MID TERM

PRIORITY: NOT PRIORIZED

TITLE: ENVIRONMENTAL PROTECTION AND MONITORING

RESPONSIBLE AGENCY: GNWT - RENEWABLE RESOURCES

OBJECTIVE:

- to research and assess environmental protection and monitoring measures appropriate to municipal areas
- to develop a comprehensive environmental protection and monitoring program
- to establish baseline information necessary for ongoing environmental monitoring as development increases in and around municipal areas in the Beaufort Region.

DESCRIPTION:

This activity is important to communities in the Beaufort Region. Research would be undertaken on environmental protection and monitoring needs within municipal areas. Aspects of the study such as oil spill contingency planning would be done in conjunction with federal agencies. Baseline information is required for ongoing environmental monitoring during the construction and production stages of development.

The project will require one person year in Inuvik to conduct necessary research and collect baseline data. Work should be done in cooperation with the municipal council to develop an Operational environmental protection and monitoring program. The project will require collection of baseline data, research, program development, the testing of contingency measures and communication with the local council.

MILESTONES:

Evaluation points will be related to adequacy of baseline data! program completion and application. The project will be completed Over a three year period.

RELATIONSHIP TO OTHER PROJECTS:

This project will support the Planning Guidelines project by Providing mitigative measures and criteria for land use.

A

RESOURCES REQUIRED:

	1985/86	1986/87	1987/88
P.Y.	1	1	1
SALARIES	41.4	41.4	41.4
O & M	13.6	13.6	13.6
CAPITAL	5	5	5
	-----	-----	-----
TOTAL \$000's	60	60	60

O & M will provide needed funds for travel to other communities. Capital items will be required for equipment during study on oil spi 1 1 counter measures.

PROJECT: MID TERM

PRIORITY: NOT PRIORIZED

TITLE: FUNDS FOR COMMUNITY COUNCIL TO IDENTIFY IMPACTS AND
PLAN FOR DEVELOPMENT (OTHER THAN TUK AND INUVIK)

RESPONSIBLE AGENCY: GNWT - LOCAL GOVERNMENT

OBJECTIVE:

To ensure local governments other than Tuktoyaktuk and Inuvik have sufficient resources to prepare for and manage the impacts that will affect the community.

DESCRIPTION:

Community governments in addition to Tuktoyaktuk and Inuvik do not have sufficient resources to prepare for the municipal impacts of hydrocarbon development. The Department cannot provide the level of funding that will be needed by these community councils.

Funding is required for community councils that may be impacted by hydrocarbon development to undertake special studies and research and planning for community impacts. These funds would be allocated to community councils based on need and on a GNWT program being developed.

Municipalities such as Fort McPherson, and Aklavik would be possible recipients of these funds.

Tuktoyaktuk and Inuvik will be required to undertake a considerable amount of planning regardless of the development options approved by the federal government. Funding for the other is important in terms of timing or amount, because:

- the municipal impacts will likely be less than the impacts that will be experienced by Inuvik and Tuktoyaktuk and
- the municipal impacts will vary considerably with the type of development that will be undertaken in the region (ie. pipeline or tanker).

RELATIONSHIP WITH OTHER PROJECTS:

The funding would be transferred to municipalities or on an as needed basis.

RESOURCES REQUIRED:

%27,000.00 in 1986/87 increasing each year in pace with development as follows:

%43,000 in 1987/88
\$53,000 in 1988/89
\$70,000 in 1989/90
\$80,000 in 1990/91

PROJECT: MID TERM

PRIORITY: NOT PRIORIZED

TITLE: INDUSTRIAL SAFETY AND OCCUPATIONAL HEALTH

RESPONSIBLE AGENCY : GNWT - JUSTICE AND PUBLIC SERVICES

SUB TITLE: FIRE SAFETY 1986/87

OBJECTIVE:

To determine the extent of fire safety preparedness-

The results obtained will determine to what extent community fire training will have to be upgraded or revised to meet building distances, specific equipment required, communication service, etc. The area of concern is at the staging location or community.

SUB TITLE: NORTHERN APPLICATION OF ELECTRICAL CODES 1986/87

OBJECTIVE:

To determine whether electrical material, equipment, etc. will be sufficient for project use as well as complying with southern code standards.

A review of standards currently in use will determine if changes to those standards are required.

SUB TITLE: OCCUPATIONAL HEALTH/SAFETY PROGRAM REQUIREMENTS
1987/88

OBJECTIVE:

To determine specific problem areas in Occupational Health/Safety, bearing in mind untrained Northern workers and roles of Native Safety Officers.

This person will review the various types of job positions which will be required on the project. The review will indicate what positions will be problem areas related to Northern workers. Is there specific training in areas required to ensure worker safety eg., problems associated with Norman Melis' training? How extensive should first aid training be?

RESOURCES REQUIRED:

One contractor for each project for three months each at a cost of \$17000.00 per project.

	1986/87	1987/88
CONTRACT (\$000'S)	34	17

PROJECT: MID TERM

PRIORITY: NOT PRIORIZED

TITLE: EFFECTS OF WAGE EMPLOYMENT ON FAMILY STRUCTURE

RESPONSIBLE AGENCY: GNWT - SOCIAL SERVICES

OBJECTIVE:

To study the effects of wage employment on family structure.

DESCRIPTION:

This would be a mid term project that would adapt data obtained in the Social Services Base Study. This study would look at indices that would demonstrate the effects of hydrocarbon wage employment on family structure. This would be followed up annually to assess the adaptation rate of the society.

RELATIONSHIP TO OTHER PROJECTS:

This study would draw on data obtained in the Social Services Base Study and provide necessary input for the successful completion of the Family Life Study.

#limestones:

This would be a four year study with the majority of the work being done in the first year and follow up work in the final three to document the evolution of the family structure as a base for program implementation.

RESOURCES REQUIRED:

	1987/88	1988/89	1989/90	1990,"91
CONTRACT (%000's)	15	5	5	5



PROJECT: MID TERM

PRIORITY: NOT PRIORIZED

TITLE: ROTATION STUDY

RESPONSIBLE AGENCY: GNWT - SOCIAL SERVICES

OBJECTIVE:

- to assess the historical work done on worker rotation.
 - to determine the effects of rotation on the individual, the family and the community
- investigate the various approaches to job and determine their appropriateness to the NUT situation.

DESCRIPTION:

Each of the segments of this study would be interrelated. Each would build on the other and the work would be carried out by contract over a one year period.

RELATIONSHIPS TO OTHER PROJECTS:

The Social Services Base Study would provide base data, identify community concern. This project would provide input and help define system for the Payment Study.

RESOURCES REQUIRED:

1986/87

CONTRACT (\$000'S)

30

PROJECT: MID TERM

PRIORITY: NOT PRIORIZED

TITLE : ALCOHOL STUDY

RESPONSIBLE AGENCY: GNWT - SOCIAL SERVICES

OBJECTIVES:

To develop special ized Alcohol and drug treatment strategies, in conjunction with the Department of Health, to meet the demand accompanying hydrocarbon development.

DESCRIPTION:

The combination of changed population, changed environment and changed expectations create new and very special ized requirements for persons requiring treatment for alcohol and drug abuse. This study will investigate various approaches to treatment! analyze these approaches in terms of northern need and develop strategies for most effective treatment.

RELATIONSHIP TO OTHER PROJECTS:

This study is linked to the proposed studies on Income, Family Life and the Social Services Study. It will be done in close liaison to the GNWT Department of Health.

MILESTONES:

- develop a comprehensive list of the type of alcohol and drug concerns and their probable cause.
- identify existing treatment modes and analyze them " in terms of the problem list.
- identify existing resources available to apply to problem resources.
- evaluation and identification of the best methods for applying existing resources to the problem

RESOURCES REQUIRED:

	1987/s8	1988/89	1989/90	1990/91
F.Y.				
SALARY	.5	.5	.5	.5
O & M	25	25	25	25
	5	5	5	5
	----	----	----	----
TOTAL \$000's	30	30	30	30

PROJECT: MID TERM

PRIORITY: NOT PRIORIZED

TITLE: LIQUOR ORDINANCE STUDY

RESPONSIBLE AGENCY: GNWT - SOCIAL SERVICES

OBJECTIVE:

To study the effects on society of changes in the Liquor Ordinance and the Regulations on alcohol abuse.

DESCRIPTION:

The liquor ordinance may be used as a tool to control the abuse of alcohol in the NUT. Investigations will be undertaken into various ways the ordinance could be used and of the effects of following those options. This will result in recommended changes to the Liquor Ordinance.

RELATIONSHIP TO OTHER PROJECTS:

The alcohol study provides an input into this study through the identification of program needs. The Social Services Base Study will provide necessary demographic data.

METHODS:

This study will be done over two years and will result in an analysis of the ordinance and other provincial ordinances and will define proposed amendments in the first year. The second year would assess the implications of these proposals and make recommendations for specific amendments which would be formulated, evaluated and finalized in the final year.

RESOURCES REQUIRED:

	1987/'88	1988/89	1989/90
P.Y.			
SALARY			
O & M	70	21	21
	-----	-----	-----
TOTAL \$000's	70	21	21

PROJECT: MID TERM

PRIORITY: NOT PRIORIZED

TITLE: COMMUNITY HEALTH STATUS PROFILES

RESPONSIBLE AGENCY: GNWT - DEPARTMENT OF HEALTH

OBJECTIVE:

To establish community health status baseline data for assessing need for health services. This will allow:

- 1. - the development of a base level of need on a community basis;
- 2. - the measurement of changes in health status of the community.

DESCRIPTION:

This will require manipulation of existing computer based data complemented by observations of field staff.

RELATIONSHIP TO OTHER PROJECTS:

This project has the potential to provide comprehensive information for all aspects of health services planning in the resource development area.

RESOURCES REQUIRED:

	1986/87	1987/88	1988/89	1989/90
P*Y.	.5	.3	*3	.3
SALARY \$000's	27	21	21	21

PROJECT: MID TERM

PRIORITY: NOT PRIORIZED

TITLE: ASSESS AND PLAN FOR HEALTH CARE DELIVERY

RESPONSIBLE AGENCY: GNWT - DEPARTMENT OF HEALTH

OBJECTIVES:

To utilize community health status profiles to assess and plan for health services delivery in response to changing needs and impacts on existing programs in the impact area.

DESCRIPTION:

This will involve:

- updating the baseline data
- planning health programs with shortened lead time
- developing capacity to respond in short term to evolving health needs in impact area! beginning in the pre-production phase.

RELATIONSHIP TO OTHER PROJECTS:

Directly based on development of community health profiles.

Will provide basis for evaluating need for Detox Services.

RESOURCES REQUIRED:

	1986/87	1987/88	1988/89	1989/90
P*Y'	.3	.3	.3	.3
SALARY AND TRAVEL	21,000	21,000	21,000	21,000

PROJECT: MID TERM

PRIORITY: NOT PRIORIZED

TITLE: ASSESS AND EVALUATE NEED FOR DETOX SERVICES

RESPONSIBLE AGENCY: GNWT - DEPARTMENT OF HEALTH

OBJECTIVE:

To plan for detox services as part of the possible strategy being investigated by Social Services +or ameliorating the effects of alcohol and drug abuse in the impact area.

DESCRIPTION:

To utilize existing data and collect additional hard and soft data to plan for Detox Services in impact areas where this may relate to Social Services' efforts to deal with alcohol and drug abuse.

RELATIONSHIP TO OTHER PROJECTS:

Directly related to Social Services' project investigating alcohol and drug abuse.

This is a particularly separate endeavour in terms of regular health services as are being planned for in Project #2.

RESOURCES REQUIRED:

1 98.5/87

P.Y.

.5

SALARY AND TRAVEL 27,000

PROJECT: MID TERM

PRIORITY: NOT PRIORIZED

RESPONSIBLE AGENCY : GNWT - DEPARTMENT OF HEALTH

TITLE: INVESTIGATION OF CHARACTERISTICS OF SEXUALLY TRANSMITTED DISEASE AND MENTAL ILLNESS

C.
OBJECTIVE:

To investigate the epidemiological characteristics of Sexually Transmitted Disease and Mental Illness in impact areas.

DESCRIPTION:

Through the use of an epidemiologist to analyze data available through existing computer base and/or community health profiles and draw conclusions, for health program planning purposes, which describe the characteristics of STD's and Mental Illness in resource development impact areas.

RELATIONSHIP TO OTHER PROJECTS:

This will relate to the planning of health services to deal with specific needs in impact areas and should therefore be performed at least simultaneously with project #2.

RESOURCES REQUIRED:

	1986/87	1987/88	1988/89	1989/90
P.Y.	.3	.2	.2	.2
SALARY AND TRAVEL \$000's	21.3	16	16	16

PROJECT: MID TERM

PRIORITY: NOT PRIORIZED

TITLE: BUSINESS DIRECTORY, PROFILE AND SURVEYS

RESPONSIBLE AGENCY: GNWT - ECONOMIC DEVELOPMENT AND TOURISM

OBJECTIVE:

business opportunity identification

provide a central directory to assist Resource companies and their contractors in utilizing local businesses on their Northern projects.

assist northern business in locating prospective markets.

business promotion, to improve awareness of the various industrial sectors exhibiting a presence in the various community/regions.

economic planning and statistical purposes. Quantify demand for government-funded business assistance programs and services.

monitoring the impact of the resource development project on business activity.

DESCRIPTION:

This expanded activity involves baseline data collection on existing businesses and their capabilities. Business opportunities from resource development projects must be matched with existing capabilities or new businesses established to meet their requirements. Business assistance and development programs will be expanded to reflect this increased government-funded activity and this information can be used to quantify projected demand. Information is also needed for monitoring business opportunities now being realized by Northwest Territorial residents.

This project will entail surveying all active northern business enterprises in the Northwest Territories with particular emphasis on the area surrounding the resource development activity. Sectoral and community specific surveys will also be completed for more detailed information.

MILESTONES:

Increased use of opportunities realized by northern businesses, both in existing business and in the establishment of new businesses.

RELATIONSHIP TO OTHER PROJECTS:

This project and resulting information will assist in identifying and quantifying future demand on business development programs and services administered by the government.

RESOURCES REQUIRED:

	1987/88	1988/89	1989/90	1990/91
P.Y.	1	1	2	2
SALARIES	48	40	80	80
O & M	45	45	90	70
CAPITAL	0	0	0	0
	---	---	---	---
TOTAL \$000's	85	85	170	170

P.Y. will be required for research, program design and modification, computer modeling and data manipulation. O & M will include salary and contract costs for business surveys in the communities.

PROJECT: MID TERM

PRIORITY: NOT PRIORIZED

TITLE: LABOUR FORCE AND OCCUPATIONAL MANPOWER STUDY

RESPONSIBLE AGENCY: GNWT ECONOMIC DEVELOPMENT AND TOURISM

OBJECTIVE:

- to provide labour market information and facilitate the provision of counseling services to assist individuals in making decisions to support their career opportunities and employment prospects.

to facilitate the provision of consultative and advisory services to assist business and prospective employers in staffing, training and manpower related areas.

to identify the expected labour market conditions during the short-term in which territorial employment programs will have to operate.

to assess the full spectrum of labour market needs in the Northwest Territories in terms of the existing and anticipated supply and demand for labour.

to provide suggested labour market priorities and strategies (targeted groups, geographic area, industry, occupations) and their subsequent evaluation.

to assess the ancillary effects of employment, such as social adjustment and personal problems.

to facilitate the development of manpower plans to address wage and working conditions, employment benefits, counseling, employment opportunities for northerners, accommodation of northern lifestyles.

to monitor the effectiveness of placement services in the proper matching of people and jobs and supplement the federal government's services in communities which not adequately serviced.

to facilitate the determination of training needs, identification of trainees, allocation of both federal and territorial spaces in institutions and the actual selection and referral of trainees,

to facilitate the development of long-term Territorial wide training programs and strategies.

DESCRIPTION:

This activity is necessary to develop baseline data on an employment profile of the Northwest Territories. Accurate labour force (demand and supply) and occupational data is essential for manpower planning, impact prediction and assessment. This project will assist both proponents of the resource project as well as NWT residents in matching jobs with people.

This project will entail an annual labour force "supply" survey of all participants in the NWT labour force with up-dating continuously. Included in the survey will be work history, education, skill level, and training requirements. Also, a labour force "demand" survey will be undertaken and co-ordinated with the Business Survey.

MILESTONES:

While labour market information is an ongoing exercise, increased employment opportunities afforded and realized by Northerners will be possible only through increased labour market and intelligence efforts.

EXPECTED RESULTS:

This project will provide reliable information on the labour market in the Northwest Territories and will allow government to properly prepare plans for and monitor the impact of non-renewable resource development.

RELATIONSHIP TO OTHER PROJECTS:

This research project will contribute valuable information needed for training and education initiatives.

RESOURCES REQUIRED:

	1987/88	1988/89	1989/90	1990/91
P.Y.	.5	.5	.5	.5
SALARIES	20	20	20	20
O & M	23	23	44	44
CAPITAL	0	0	0	0
	----	----	----	----
TOTAL \$000's	43	43	64	64

P.Y's will be required for research, program design and modification, computer modeling and data manipulation. O & M will include salary and contract costs for labour demand and supply surveys.

PROJECT: MID TERM

PRIORITY: NOT PRIORIZED

TITLE: COST OF LIVING STUDIES

RESPONSIBLE AGENCY: GNWT - ECONOMIC DEVELOPMENT AND TOURISM

OBJECTIVE:

selection of price indices for escalation of industrial business contracts.

monitoring the impact of the resource development project on business activity.

facilitate economic planning and if necessary assist in the development of appropriate mitigative measures.

DESCRIPTION:

This activity is necessary to develop baseline knowledge of cost of living expenses at the community level to accurately assess the impact of non-renewable resource development activities and, if required, facilitate appropriate mitigative measures.

This project will entail undertaking a cost of living survey in all communities in the Northwest Territories. The three major categories to be examined include: transportation, housing, and goods and services. The latter is composed of ten groupings: food at home, clothing, domestic service, medical care, personal care, recreation, tobacco and alcohol.

EXPECTED RESULTS:

This project will provide reliable information on cost of living in the communities and will allow the Government to monitor, and if necessary, prepare mitigative measures regarding the impact of major hydrocarbon development.

RELATIONSHIP TO OTHER PROJECTS:

This research project will contribute valuable information to the private sector in selecting price indexes for escalation of industrial contracts, and will assist the Government in preparation and planning activities in the social, business and economic areas.

RESOURCES REQUIRED:

	1987/88	1988/89	1989/90	1990/91
P.Y.	.5	.5	.5	.5
SALARIES	20	20	20	20
O & M	44	44	86.5	86.5
	-----	-----	-----	-----
TOTAL \$000's	44	64	104.5	106.5

P.Y. will be required for research, program design and modification, computer modelling and data manipulation. O & M will include salary and contract costs for cost of living surveys.

PROJECT: MID TERM

PRIORITY: NOT PRIORIZED

TITLE: IMPACT ON LEGAL SYSTEM

RESPONSIBLE AGENCIES: GNWT - JUSTICE AND PUBLIC SERVICES

OBJECTIVE:

- to determine impact of influx of workers as a result of development, on legal systems of Northwest Territories such as legal aid, courts (Justice of the Peace, Territorial and Supreme), Coroner's inquiries and safety ordinances.
- to determine the impact of development on total government as it relates to legal requirements.
- to determine the impact on legal systems in the post development period.
- to determine legislative changes required to insure citizens rights are met.

DESCRIPTION :

It is proposed that a professional researcher with legal background would require two years to meet the stated objectives. It will be necessary for the researcher to access information and statistics gathered in areas where similar development has taken place, such as the Yukon and Alaska. The researcher will also have to compile statistics on the number of court sittings, the types of cases appearing before the courts, the amount of legal aid assistance and the involvement of the government in legal actions. It will be necessary to travel to the areas of development to meet with residents in order to gain insight into reaction to development and change i.e. forecast of alcohol usage, based on current trends, drug usage, etc. which will impact legal systems. This will also assist in determining the requirement for native court workers in these areas. Data on income levels of residents and workers will be necessary to determine legal aid assistance requirements. Consultation with judges, lawyers, court workers, local residents and the Department of Justice and Public Services will be necessary. A system will have to be developed to determine the impact of other governmental departments involvement with development on the Legal Services Division.

Consultation will be necessary with other agencies such as the R.C.M.P. to determine their future plans: and the development proponents to determine the structure of their sites (i.e. prohibition, shift length, etc.). Should the Territories assume the responsibility for prosecutions

simultaneously with development, it will be necessary to determine the impact of this assumption on the development. If the various legal systems are not properly prepared in terms of manpower and facilities, citizens, both migrant and permanent, may be deprived of their rights. The researcher will be required to collect pertinent information in this area.

It will be necessary to review the safety related ordinances of the NWT and other jurisdictions where development has occurred.

MILESTONES:

report on known impact of development in other areas

report on Statistical data collected for the development area.

report on community response - ie. influence of development on various communities.

report on ordinances requiring changes through legislation.

projections of impact and recommendations on methods of dealing with the impact.

EXPECTED RESULTS:

The report produced will show the growth over a pre-determined time span which will lead to logical projections and recommendations to deal with the impact.

These projections and recommendations will be used by the various Justice and Public Services sections to formulate program strategies to meet the demands of the development, in line with established governmental priorities and allow the maintenance of an acceptable standard of living in communities affected.

RELATIONSHIP WITH OTHER PROJECTS:

Information gathered in this report will be valuable to the Department of Social Services and the Safety Division. Statistics available from the Statistics bureau will be required for this project. Examples of other governments' involvement in legal actions can alert all departments to potential problem areas, and it is anticipated that this information will enable the GNWT to avoid similar problem situations. The researcher will overlap for a short period with the engineer working in the Safety Division.

RESOURCES REQUIRED:

This period would require a consultant for a period of two years. Other O & M requirements would be for travel, accomodations, and communications.

	1985/86	1986/87
CONTRACTS	\$40,000	\$40,000
TRAVEL/ACCOMODATIONS	23,900	7,000
COMMUNICATIONS	2,500	2,000
	-----	-----
TOTAL	\$65,500	\$49,000

PROJECT: MID TERM

PRIORITY: NOT PRIORIZED

TITLE: TWINING NORTHERNERS IN ARCHAEOLOGICAL TECHNIQUES

RESPONSIBLE AGENCY: GNWT - JUSTICE AND PUBLIC SERVICES

OBJECTIVES:

To devise, test and evaluate a program for training resident northerners in archaeological field procedures. This will minimize the number of extra-territorial archaeologists needed to carry out other archaeological requirements arising from hydrocarbon development in the Beaufort Sea.

DESCRIPTION:

prior to implementation, a training program will be designed and evaluated over the course of two successive field seasons at archaeological sites. Training programs used elsewhere in Canada will be adapted to meet the special requirements and knowledge of a northern labour force.

MILESTONES:

pre-field season, year 1: design of training program.
field season, year 1: test training program through archaeological survey and excavations.
pre-field season, year 2: evaluation and modification of training program.
field season, year 2: further testing of training program through archaeological survey and excavations.
post-field season, year 2: further evaluation and modification of training program.

EXPECTED RESULTS:

It is anticipated that archaeological training programs can be designed, which will provide a resident labour force with background knowledge and specialized skills to participate in archaeological fieldwork under a variety of conditions.

RELATIONSHIP TO OTHER PROJECTS:

Archaeological training will be required in order to provide the necessary skills to allow northern residents to be employed in all aspects of archaeological work necessitated by hydrocarbon development in the Beaufort Sea Region.

REQUIRED RESOURCES:

Requirements for each of the two years, 1985/86 and 1986/87 required to develop the training program are as follows (in 1983 dollars):

archaeologist on contract to design and test training procedures	%2500 month x 3 months = \$7500
assistants	\$2000 month x 2 months = \$8000
students	\$300 week x 5 weeks x 6 = \$9000
travel	estimate = \$8000
field equipment	estimate = \$5000
field subsistence	estimate = \$5000
drafting	estimate = \$500
photography	estimate = \$500
typing	estimate = \$500
C.14 dating	estimate = \$3000
conservation	estimate = \$3000
other O & M	= \$3000
ANNUAL TOTAL	----- \$53,000

SUMMARY "C" MID TERM PROJECTS Non-PRIORIZED

NOGAP RESEARCH AND PLANNING REQUIREMENTS

1984-85 TO 1990-91

GOVERNMENT OF THE NORTHWEST TERRITORIES			RESEARCH & PLANNING RESOURCE REQUIREMENTS						
			1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
PROJECT TITLE :	NOT PRIORIZED	START / DURATION	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S
ENVIRONMENTAL PROTECTION AND MONITORING		85/86 3yrs		1 60	1 60	1 60			
FUNDS FOR COMMUNITIES OTHER THAN TUK AND INUVIK TO IDENTIFY AND PLAN FOR DEVELOPMENT		86/87 5yrs			- 27	- 43	- 53	- 70	- 80
INDUSTRIAL SAFETY AND OCCUPATIONAL HEALTH									
FIRE SAFETY		86/87 1yr			17				
NORTHERN APPLICATION OF ELECTRICAL CODES		86/87 1yr			17				
OCCUPATIONAL HEALTH/SAFETY PROGRAM REQUIREMENTS		87/88 1 yr				- 17			
EFFECTS OF WAGE EMPLOYMENT ON FAMILY STRUCTURE		87/88 4yrs				- 15	- 5	- 5	- 5
ROTATION STUDY		85/87 1yr		- 30					
ALCOHOL STUDY		87/88 4yrs			.5 30	.5 30	.5 30	.5 30	
LIQUOR ORDINANCE STUDY		87/88 3yrs			70	- 21	- 21		
COMMUNITY HEALTH STATUS PROFILES		86/87 4yrs		.5 27	.3 21	.3 21	.3 21		
ASSESS AND PLAN FOR HEALTH CARE DELIVERY		86/87 4yrs		.3 21	.3 21	.3 21	.3 21		
ASSESS AND EVALUATE NEED FOR DETOX SERVICES		86/87 1 yr		.5 21					

SUMMARY OF MID TERM PROJECTS NOT PRIORIZED

NOGAP RESEARCH AND PLANNING REQUIREMENTS

1984-85 TO 1998-91

GOVERNMENT OF THE NORTHWEST TERRITORIES			RESEARCH & PLANNING RESOURCE REQUIREMENTS						
PROJECT TITLE:	GNWT PRIORITY	START / DURATION	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
			PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S
INVESTIGATION OF CHARACTERISTICS OF SEXUALLY TRANSMITTED DISEASES AND MENTAL ILLNESS		86/87 4yrs		.3 21	.2 15	.2 16	.2 16		
BUSINESS DIRECTOR(, PROFILES AND SURVEYS		87/88 4yrs			1 85	1 85	2 170	2 170	
LABOUR FORCE AND OCCUPATIONAL MANPOWER STUDY		87/88 4yrs			.5 43	.5 43	.5 64	.5 64	
COST OF LIVING SURVEYS		87/88 4yrs			.5 64	.5 64	.5 186.5	.5 186.5	
IMPACT ON LEGAL SYSTEM		85/86 2yrs		.65.5	.49				
TRAINING NORTHERNERS IN ARCHAEOLOGICAL TECHNIQUES		85/86 2yrs		.53	.53				
TOTAL MID TERM (PERSON/YEARS)				2.0	3.3	4.3	4.3	3.5	
(\$000 S)				384.5	573	436	587.5	445.5	85

PROJECT: LATE TERM

PRIORITY: NOT PRIORIZED

TITLE: IMPACTS ON NATIVE NUTRITIONAL PRACTICES

RESPONSIBLE AGENCY: GNWT DEPARTMENT OF HEALTH

OBJECTIVES:

To determine impacts on nutritional practices of native northerners in direct and indirect development impact areas.

DESCRIPTION OF PROJECTS:

Monitor the impacts of exposure to a wage economy in the nutritional practices of natives.

RELATIONSHIP TO OTHER PROJECTS:

Results will enhance planning for maternal and child health and school health programs.

RESOURCES REQUIRED:

	1989/90	1990/91
P*Y.	.5	.2
SALARY AND TRAVEL \$000's	30	16

PROJECT: LATE TERM

PRIORITIES: NOT PRIORIZED

TITLE: HEALTH PROMOTION STUDIES

RESPONSIBLE AGENCY: GNWT DEPARTMENT OF HEALTH

OBJECTIVE:

Investigate the most suitable method of disseminating health promotion information. This will involve assessing individual community social structures and communication networks.

RELATIONSHIP TO OTHER PROJECTS:

Health promotion is an essential ingredient of all health services. Planned health services should utilize the health promotion conduits as means for gaining acceptance.

RESOURCES REQUIRED:

	1989/90	1990/91
P.Y.	.5	.5
SALARY AND TRAVEL \$000's	27	27

PROJECT: LATE TERM

PRIORITY: NOT PRIORIZED

TITLE: IMPACT ON CONSUMER SERVICES

RESPONSIBLE AGENCY: GNWT - JUSTICE AND PUBLIC SERVICES

DESCRIPTION:

Research to identify anticipated requirements for consumer services in:

- business licensing (vendor), (insurance)
- professional licensing
- lotteries
- consumer information/complaints

MILESTONES:

- six month period of time to conduct research and gather statistics in other known areas (eg. Alaska) for purposes of licensing requirements, conduct of lotteries and consumer related problems.
- six month period for research into community response to development; ie. increase in consumer and landlord/tenant problems; and development of recommendations to meet needs during post-development period.

EXPECTED RESULTS:

Provision of adequate and effective consumer protection and information services.

RELATIONSHIP TO OTHER PROJECTS:

As development proceeds, requirement for consumer services, particularly in regulated areas such as licensing of businesses and professionals, will be immediate, as opposed to long term. Provision of consumer education and complaint-handling services will extend over the longer term.

RESOURCES REQUIRED:

198.5/37 - One person year - \$64,000.00

PROJECT: LATE TERM

PRIORITY: NOT PRIORIZED

TITLE: RESOURCE INVENTORY OF SOCIAL SERVICES

RESPONSIBLE AGENCY: GNWT - SOCIAL SERVICES

OBJECTIVE:

To develop an inventory of available social service resources in order to have information available for the expanding population.

DESCRIPTION:

In a rapidly developing area it is necessary for the people in the communities as well as the social service professionals to identify the human service resources available.

RELATIONSHIPS TO OTHER PROJECTS:

The Social Service Base Study would develop the parameters for this study. There would also be a relationship with other Departments ie. housing; local government (recreation).

MILESTONES:

The final product of an inventory of previous available, would be available for the entire government and all affected communities.

This project would be a short duration project.

Year 1: Contract let out and information collected! and final report produced.

RESOURCES REQUIRED:

	1990/91
P.Y.	-
SALARY	-
O & M	2

TOTAL \$000's	2

PROJECT: LATE TERM

PRIORITIES: NOT PRIORIZED

TITLE: JOB INVENTORY FOR THE HANDICAPPED

RESPONSIBLE AGENCY: GNWT - SOCIAL SERVICES

OBJECTIVE:

To develop a Job inventory that would list appropriate positions for person with impaired physical or mental ability.

DESCRIPTION:

In conjunction with industry and private business, positions would be assessed in terms of abilities required as well as safety factors involved.

RELATIONSHIP TO OTHER PROJECTS:

This project would be related closely with labour force and manpower survey work being proposed by the Department of Economic Development and Tourism as well as industry's programs.

MILESTONES:

This would be a late term project of less than one year's duration.

RESOURCES REQUIRED:

	1989/90
P.Y.	
SALARY	
O & M	10

TOTAL \$000's	10

SUMMARY "D." LATE TERM PROJECTS NOT PRIORIZED

NOGAP RESEARCH AND PLANNING REQUIREMENTS

1984-85 TO 1990-91

GOVERNMENT OF THE NORTHWEST TERRITORIES			RESEARCH & PLANNING RESOURCE REQUIREMENTS						
PROJECT TITLE :	NOT PRIORIZED	START / DURATION	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
			PY \$000'S	PY \$000'S	PY \$000'S	PY %000'S	PY \$000'S	PY \$000'S	PY \$000'S
IMPACTS ON NATIVE NUTRITIONAL PRACTICES		89/90 2yrs						.5 38	.2 16
HEALTH PROMOTION STUDIES		89/90 2yrs						.5 27	.5 27
IMPACT ON CONSUMER SERVICES		86/87 1yr			1 64				
RESOURCE INVENTORY OF SOCIAL SERVICES		90/91 1yr							- 2
JOB INVENTORY FOR THE HANDICAPPED		89/90 1yr						10	
TOTAL LATE TERM (PERSON YEARS) (\$000'S)					1 64			1 57	.7 45

S U M M A R Y O F G N W T P R O J E C T S A P P R O V E D A T C O O R D I N A T O R ' S M E E T I N G 8 / 9 / 8 3

N O G A P R E S E A R C H A N D P L A N N I N G R E Q U I R E M E N T S

1984-85 TO 1998-91

GOVERNMENT OF THE NORTHWEST TERRITORIES			RESEARCH & PLANNING RESOURCE REQUIREMENTS							
			1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	
PROJECT TITLE:	GNWT PRIORITY	START / DURATION	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S	
HYDROCARBON COORDINATOR	1	84/85 7yrs	1 65	1 65	1 65	1 65	1 65	1 65	1 65	
FUNDS FOR INUVIK AND TUK TO IDENTIFY IMPACTS AND PLAN FOR DEVELOPMENT	2	84/85 7yrs	1 234	1 314	1 44a	1 36's	1 314	1 341	1 341	
SOCIAL SERVICES BASE STUDY	3	84/85 7yrs	1.5 210	3 370	3 370	4 536	4 530	4 530	1.5 210	
GUIDELINES FOR R/R PLANNING	4	84/85 4yrs	2 104	2 99	2 99	2 99				
DEVELOPMENT OF MUNICIPAL TRAINING PACKAGES	5	84/85 7yrs	.5 59	.5 59	.5 43	.5 43	.5 43	.5 43	.5 43	
TECHNICAL ASSISTANCE TO COMMUNITY COUNCILS AND STAFF	6	84/85 7yrs	.5 37	.5 37	.5 37	.5 37	.5 37	.5 37	.5 37	
RESEARCH AND POLICY DEVELOPMENT ON PROVISION OF MUNICIPAL INFRASTRUCTURE	7	84/85 3yrs	- 107	- 138	117					
FEASIBILITY OF SUPPLYING OIL/GAS TO COMMUNITIES	8	(PROJECT NOT SUPPORTED BY COORDINATORS)								
SOCIO-ECONOMIC MONITORING SYSTEM	9	84/85 4yrs	1 65	1 65	1 35	.5 35				
INVESTIGATION OF BOOM/BUST CYCLES	10	84/85 1yr	1 65							
DAY CARE STUDY FOR SHIFT AND ROTATIONAL WORKERS	11	84/85 1yr	- 10							

SUMMARY Cont'd
 NOGAP RESEARCH AND PLANNING REQUIREMENTS
 1994-85 TO 1999-91

GOVERNMENT OF THE NORTHWEST TERRITORIES			RESEARCH & PLANNING RESOURCE REQUIREMENTS						
PROJECT TITLE:	GNWT PRIORITY	START / DURATION	1584-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
			PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S
RESEARCH TO DEVELOP A TRAINING PROGRAM FOR SOCIAL SERVICE WORKERS	12	84-85 2-yr	1.5	1.5					
DEVELOPMENT OF ACCEPTABLE PAYMENT SYSTEM	13	PROJECT NOT SUPPORTED BY COORDINATORS							
WILDLIFE HARVEST STATISTICS	14	84-85 5-yr	1.5	1.5	1.5	1.5	1.5	1.5 (REDUCED 50% BY COORDINATORS)	
DETERRENT STUDIES	15	84-85 3-yr	1	1	1				
INVESTIGATE RESPECTIVE RESPONSIBILITIES OF INDUSTRY AND GOVERNMENT RE: HIGHWAYS	16	PROJECT NOT SUPPORTED BY COORDINATORS							
ACCELERATED HIGHWAYS PLANNING	17	PROJECT NOT SUPPORTED BY COORDINATORS							
RESEARCH AND POLICY DEVELOPMENT OF NEW COMMUNITIES	18	SUPPORTED AS COMBINED WITH PRIORITY PROJECT #7							

SUMMARY Central
 NOGAP RESEARCH AND PLANNING REQUIREMENTS

1984-85 TO 1998-91

GOVERNMENT OF THE NORTHWEST TERRITORIES			RESEARCH & PLANNING RESOURCE REQUIREMENTS						
			1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
PROJECT TITLE:	GNWT PRIORITY	START / DURATION	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S	PY \$000'S
RESEARCH AND POLICY DEVELOPMENT ON LAND DEVELOPMENT IN RAPIDLY GROWING COMMUNITIES	19	85/86 1yr		1 60					
WILDLIFE MANAGEMENT	20	85/86 3yrs		1 60	1 60	1 60			
EASELINE STUDIES	21	85/86 4yrs		5 715	5 597	4 484	3 319		
SOCIAL AND ECONOMIC STUDIES OF PROVINCIAL NATURE	NOT PRIORIZED	(THE COORDINATORS DECIDED TO ALLOCATE \$2 MILLION OF THE \$2.5 MILLION TOTAL REQUESTED) 85/86 6yrs		- 242	- 506	- 346	- 403	- 400	- 103
TOTAL FUNDS SUPPORTED BY COORDINATORS: BY YEAR			1205	2561	2502	2033	1765	1416	799
By TOTAL 7 YEAR PROGRAM			12,281 (or \$12,216,000)						

CURRICULUM VITAE

NAME : Lorne E. Matthews
DATE OF BIRTH: April 19, 1946
EDUCATION: University of Manitoba
Bachelor of Architecture 1970

CAREER

Mr. Matthews has over 13 years experience in the planning/architectural field at the municipal, provincial/territorial, national and international levels. He has worked 4 years in the private sector and 9 years in government, the last 8 of which have been in the Northwest Territories.

NORTHERN EXPERIENCE

- Head of Regional Planning (1975-1978)
- Regional Planning Coordinator (1978-1979)
- Secretary - Resource Development Committee (1979-1981)
- Regional Planning Advisor (1981-present)

- GNWT Coordinator of Mackenzie Delta Regional Plan; 1975-1977 (A Joint Federal/Territorial Planning Program)
- GNWT Coordinator of Beaufort Sea Development - An Infrastructure Analysis; 1980 (Joint GNWT/Dome Project)
- GNWT Representative - Beaufort Sea Task Force; 1980-1981
- GNWT Coordinator/Manager of Federal Northern Oil and Gas Activities Program (NOGAP)
- GNWT Representative on Environmental Studies Revolving Fund (ESRF) Social Issues North Study Committee

OTHER

Mr. Matthews has travelled and worked throughout the NWT. He has extensive experience in multicultural and development situations in the Caribbean, Central America, Southeast Asia, Western Europe and Western Canada and has lived in Jamaica, Britain and Malaysia.