

concerned with a proposal to build a marina at Taupo. The v Taupo County Council (1987) 12 NZPA 83. This case was

earlier case is the decision of the Planning Tribunal in McKenzie earlier cases had held that they were not. An example of such an were relevant to the determination of water rights applications. objectives relating to purely metaphysical or spiritual concerns 12.2 At issue in Hawke's Bay was whether the concerns of Mori

B. Mori Values

Waikato Valley Authority [1987] 2 NZLR 188.

is the decision of the High Court in Hawke's Bay Development Trust v probably the most important of the many decisions on the 1967 Act courts to devise the criteria themselves. For present purposes failed to specify criteria governing the grant or refusal of water rights, and it was left to the Planning Tribunal and the from the Regional Water Board. The Act was defective in that it disclosed into natural water were required to obtain water rights riparian rights. All persons wishing to take or divert or repudiated - for all practical purposes - the Common Law regime of Act 1967 which nationalised all private rights in water and which 12.1 A further change came with the Water and Soil Conservation

A. Introduction

12.0 THE WATER AND SOIL CONSERVATION ACT 1967

regulations before the Regulations Review Committee at the boxes was proceeded with, despite a further challenge to the overall scheme of the Geothermal Energy Act 156. The closure of regulations for calculating resource rents was repugnant to the also rejected an argument that the formula used in the claim that the Minister had exercised his powers unlawfully. He 1987. The challenge failed. Heron J. rejected the Association's the Minister's decision and the regulations were challenged in the High Court by the Rotorua Geothermal Users Association in 1987. The claim that the Minister had exercised his powers unlawfully.

12.4 The decision in Huakina has had important consequences, seen most clearly with the Wanganui River. In 1988 the Rangitikei-Wanganui Catchment Board heard a major case relating to the establishment of minimum flow levels for Wanganui. A lengthy section of the report of the Board's tribunal is concerned with Maori spiritual values. The Board recommended:-

interpret ambiguous statutes which affected the Treaty that the Treaty of Waitangi could be used in its own right to concepts into the Water Act. Another reason for his finding was references to ancestral land in the Planning Act imported similar Planning Act 1977 as a statutory "scheme", and thus that the Soil Conservation Act 1967 was linked to the Town and Country undoubtably were relevant. Chilwell J. decided that the Water under the Treaty of the Waitangi he concluded that such issues judgment which refers extensively to the Crown's obligations to Waikato River was irrelevant. Chilwell J. disagreed. In a metaphysical matters touching pollution of the waters of the led by the Huakina Development Trust relating to spiritual and planning tribunal approached the case on the basis that evidence of the water right. Both the Regional Water Board and the objected, and appealed to the Planning Tribunal against the grant Huakina Development Trust, represented by Mrs Nganeko Minihinaki, waste into a stream which in turn flowed into the Waikato. The owned a dairy farm, allowing the Bowaters to discharge dairy-shed had granted water rights to a Mr and Mrs Bowater, a couple who had granted water rights to the Waikato River. The case was concerned with tribal practice completely. The case was concerned with

12.3 In Huakina Chilwell J. overruled Water Board and Planning patch followed by the spirits of the dead. water from Lake Taupo down the Waikato and so out to sea, the concerns that the marina would obstruct the spiritual flow of irrelevant to the final determination. The evidence related to while heard sympathetically by the tribunal, was regarded as evidence of Maori objectives relating to "spiritual" concerns,

priortiy 160.

The Triibunal rejected, however, a submission from counsel for the Whanganui River Maori Trust Board that such values ought to have

and we accept it." 159

issue about that among the parties to these proceedings, on Maori spiritual and cultural values. There was no

Whanganui River must be considered; and also the effect traditional relationships of the tangata whenua with the

that minimum flow should be, spiritual, cultural and

fixed in respect of the Whanganui River, and if so, what

"In deciding whether a minimum acceptable flow should be

account:-

accepted, naturally, that Maori values had to be taken into say nothing of considerable length (208 pages). The Tribunal decision. This decision is a document of major importance, to it was not until 1990 that the Planning Tribunal released its

12.5 The hearing before the Planning Tribunal was lengthy and partial restoration of the Whanganui flow levels.

annual burning fossil fuels to replace the energy lost by the national media that would have to spend an extra \$17 million per and appealed to the Planning Tribunal. Electricity Corp claimed in for its HEP stations, saw itself as suffering a serious reverse the commencement of a 15 year programme of securing water rights denounced in the media by Electricity Corp. The Corporation, then at the Whanganui and its upper tributaries by 50% was bitterly

The Board's decision, which in effect reduced the draw-off from sea." 158

the flight path of Taranaki, from its source to the main artery of the river to flow without impediment, along division intake should be restored. This would allow the natural flow of the Whanganui River at the western Wangani Maori and Tribunal consider that the full traditional fishing value of the Whanganui River to the

"In recognition of the spiritual, cultural and

Department
New Zealand Tourist and Publicity
the Ngati Taahu Trust and the
July/Nov 1988 Objectives received from Electricity Corp.,

(b)

Catchment Board (WCB)
Application lodged with the Waikato
(a) 6 July 1988

The stages through which this case has passed are as follows:-
to re-inject 40,000 tonnes of separated geothermal water per day.
Lodged applications to take 44,000 tonnes of geothermal fluid and
geothermal power station near Taupo. In July 1988 the company
Geothermal Energy Ltd of Taupo, wish to construct a privately owned
a case which directly affects Ngati Taahu. The applicants,
Project can be very complex. This is seen in the Geothermal case,
12.7 The process of obtaining water rights for a geothermal
Councils.

authorities are now the Waikato and Bay of Plenty Regional
conditions on obtaining water rights. The two relevant
make the grant of a licence pursuant to the Geothermal Energy Act
practice. The usual practice of the Ministry of Energy was to
major battles relating to geothermal resources are fought out in
geothermal resources, and it is at water rights hearings that the
Councils) are the principal regulatory authorities relating to
1967. In fact the Regional Water and Soil Conservation Act
Regional Water Board under the Water and Soil Conservation Act
Geothermal Energy Act 1953 but also a water right from the
geothermal resources needed not only a licence under the
In this case it was settled that applicants wishing to develop
Development [1982] 1 NZLR 319, a decision of the Court of Appeal.
Water and Soil Conservation Act is Keam v Minister of Works and
12.6 The principal case on geothermal issues arising under the
C. The Water Act and Geothermal Issues

- (l) Apr 12, 1990 Planning Tribunal gives judgment on procedural matters relating to production of a confidential DSTR report
- (k) Mar 13, 1990 The Planning Tribunal holds its first hearing until the Ngati Taahu claim in respect of the hydrothermal field has been resolved"
- (j) Sep 15, 1989 Electricon Corp lodges its cross-appeal
- (i) Sep 15, 1989 Geotherm lodges an appeal to the Planning Tribunal against the WCB decision
- (h) Aug 24, 1989 Standing Tribunal of the WCB issues its report and recommendations
- (g) July 1989 WCB resumes hearing the matter
- (f) Apr 19, 1989 Court of Appeal judgment (Re. Geothermal Energy [1989] 2 NZLR 22)
- (e) Mar 1989 The matter is transferred to the Court of Appeal
- (d) Jan 1989 WCB lodges a case stated appeal with the High Court concerning the legality of Electricon's existing bores at Waikarei

(m) Aug 14, 1990 Planning Tribunal's second judicial conference. The tribunal decided this time that the appeal should proceed on the basis that the Ngati Taahu Waitangi Tribunal claim relates to the Tauhara filed but not the Waitekā filed.

12.8 In its decision on 24 August 1989, the WCB made it clear that Electricity Corp is not in any privately owned position regarding the use of the Waitekā filed. Its position is open to challenge by those who can convince the regulatory authority that they can use the resource more effectively and efficiently. Thus in this case Electricity Corp up till now "has been virtually the sole user of the geothermal energy at present, a single entity" (that is, Electricity Corp) 161. Although Electricity Corp "is a single entity, declining due to exploitation by, Board invented "competing use of a limited and diminishing resource".

12.9 The decision of the Planning Tribunal of 16 July 1991 is a lengthy document (50 pages) 163. The planning tribunal was faced with a complex situation in which both Geothermal and Electricity Corp had appealed against the Catchment Board (i.e. Regional Council)

spent fluid rather than discharge it into the Waikato river (as to Geothermal's statement that it intended to use more up-to-date technology, and to the fact that Geothermal planned to re-inject fluid with a complex situation in which both Geothermal and Electricity Corp does).

years.

In the end the Triibunal confirmed the limit of 10,000 tonnes per day although the term of the right was extended from 15 to 18

beyond finding that it is a real risk of serious harm." re-injection is not certain, and we cannot quantify it the extra taking is certain. The risk of harm from the value of the resource. The faster run-down resulting from opportunities for other uses and diminished intrinsic does not extend to the current level) and reduced substantially in relevance on its authority to take (which substantial losses to the existing user which has invested in temperature and pressure, with consequent initial field, and from re-injection of risks of further reduction from the additional taking of faster run-down of the other hand are the disbenefits to the geothermal field favourable features of successful re-injection. On the to generate 40 MWe rather than 15 MWe, and in the day rather than 10,000 tonnes per day, with the potential to Geothermal of being permitted to take 40,000 tonnes per disbenefits. On the one hand are the business advantages "We are concerned with balancing the benefits and technical evidence concluded 165:-

any event. The Triibunal, after weighing up the confliction effects, and the site was some distance from the Waitakoto River spent fluid contained heavy metals which might have toxic re-injection it pointed out that Geothermal had to re-inject: the effluent than Electrical's Waitaki station; and as to basis" for finding that the Geothermal proposal would be any more was rejected 164. The Triibunal also found that there was "no safe maintained until the Waitangi Triibunal process had been completed that the Geothermal appeals should be dismissed and the status quo An argument advanced on behalf of the Ngati Taahu Triibal trust upheld in most essential respects the Catchment Board's decision. original objector, was also present. The Planning Triibunal decision, and in which the Ngati Taahu Triibal Trust, as an

they were not able to significantly affect the outcome.
the Geothermal application and participated in the hearings
Local Maori communities: although Ngati Tahu objected to
(e) The case illustrates the relative powerlessness of

such situations; and
difficulties regulatory authorities have in dealing with
pressure on the resource from competing users and the
(d) That case illustrates the likelihood of increased

tribunal's judgment in the Geothermal water rights case;
geothermal system was not until 1991, with the Planning
(c) The first decision regarding competing use of a

other kind of Maori issue a priority;
(b) Even so, the Act did not give such concerns, or any

hearings relating to geothermal systems;
"metaphysical" issues at water rights hearings, including
that it became possible for Maori objectors to raise
(a) It was not until 1987, with the Huakina decision,

geothermal system. To summarize:-
now making it possible to obtain a water conservation order for a
inssofar as geothermal resources are concerned, by, for instance,
also removes some of the difficulties of the old Water Act
nearly all of the old Geothermal Energy Act and vests complete
control over the resource with regional councils. The 1991 Act
further with the Resource Management Act 1991 which repeals
process towards regional control has now been taken one step
clarified by the Court of Appeal in the Keam decision. The
relationship between it and the Geothermal Energy Act was
adminstration of geothermal resources, especially after the
12.10 This Act became the central statute governing the

13.2 Meanwhile in 1982 an Officials Co-ordinating Committee was established. Its task was to develop policy recommendations for those in Category C lowest priority for preservation.

and Kēam report that fields be ranked into three categories with It also agreed with the suggestion in the 1988 Houghton, Lloyd

a co-ordinated and efficient fashion.
(ii) develop fields selected for energy exploitation in

unimportant; and
(ii) allocate geothermal systems for development for energy and mineral exploitation from those geothermal

systems where other values and uses are relatively
(i) manage selected geothermal systems to retain the

would 168 :-

report concluded that there was a need for a strategy which
management of Geothermal Resources: Issues and Options 167. This
for the Environment released its own study of the matter -
Ohakuri on the Ngati Taahu people 166. And in 1983 the Commission
including the effects of the new geothermal power station at
at which a range of concerns were debated fairly extensively,
effects of energy development and tourism on geothermal systems
Defence Society hosted a conference at Rototua dealing with the
In 1982 the Nature Conservation Council and the Environment
development, with some being excluded on conservation grounds.

areas should be classified according to suitability for
features at Waitakere and elsewhere, and advocated that geothermal
team. The report expressed concern about the damage to surface
The authors of the report were B.F. Houghton, E.F. Lloyd and R.F.
hydrothermal system features of scientific and other interest.
for the New Zealand Geological Survey titled The Preservation of

13.1 In 1980 the Nature Conservation Council prepared a report

management of the geothermal resource. The same year the Officials Committee released a Preliminary Issues Paper, A Review of the Role of Geothermal Resources in New Zealand. Public submissions were called for. The final policy statement was released by the Ministry of Energy in 1986 as Geothermal Resources: A Policy and Management Framework. This is an important document, and is the first attempt to set a co-ordinated national planning strategy for geothermal resources into operation. The Policy Framework includes a number of "goals" followed by a list of "objectives", one

of which is:-

"3. To take into account people's cultural beliefs and traditions of Maori people, and any geothermal and traditional uses and practices, between the culture and customary usages and practices, as determined by including the relationships, as determined by the Policy Framework adopts the tri-partite classification of fields. It includes the Waimangu, Keteatahi and Orakeikorako geothermal fields be included in the Schedule of Protected Waters."

"That priority be given to preparing geothermal water management plans for the following:-

That priority be given to preparing geothermal water sources!

but are also used, or have potential, as energy these have surface features worthy of protection Rotorua, Tikitere (Rauhine Springs) and Waitapu; Te Kopia, Waikite, Tokaanu-Waihi-Hipau and Reporta; - these are covered by the present policy of no drilling (except for monitoring purposes);

1953. "

"That geothermal energy users be charged a rental to cover the costs of licensing under the Geothermal Energy Act

Policy and Management Framework, "Policy 9" of which states:-

Act itself. It accorded also with the Geothermal Resources Bill was certainly legal. It accorded with the Geothermal Energy in Maori freehold land at Ohinemutu. It must be stated that the charging a resource rental for geothermal energy taken from bores Ohinemutu received an account from the Ministry of Energy

14.1 In 1987 householders at the Ngati Whakau community at

A. Resource Rentals

14.0 RECENT DEVELOPMENTS

13.3 The classification of the fields at a national level is in development in varying ways¹⁶⁹.
Tongariro National Park); the other categories are targeted for Mt Tongariro, is Maori freehold land, and is not a part of the Oakikerorako and Ketetahi (Ketetahi, on the northern slopes of four categories, giving special protection status to Waioatau, the former catchment boards, now regional councils. The WCB has turned reflected in their classification at the regional level by

real importance for Ngati Tahu.
Rotokawa, although now Crown Land, is a long-standing issue of to a large extent lie underneath Maori freehold land, and Lake and Ngawha, both "priorities for energy development", the fields into this all-important classification process. (At both Mokai little evidence that there was much, or even any, Maori input without wishing to belabour the point, it should be said there is

Mokai, Rotokawa, Ngatamariki and Ngawha; these are priorities for energy development. "

compensation.

had been denied continued use of the resource without it would be seen as discriminatory against those users who users association. The Chairman, Mr Robert Brewster, said the exemption has disappoindted the Rotorua Geothermal

Minister of Energy, Mr Butcher.

affected by the exemption, announced yesterday by the about 11 bores and households in the village will be

exemption from paying rentals for geothermal energy. Ngati Whakau living in Ohinemutu have been granted an

"Geothermal Exemption for Tribe in Ohinemutu"

Local newspaper, the Rotorua Post, on March 21, 1990:-
the Rotorua Geothermal Users Association, was reported in the Pay resource rentals after all. The exemption and reaction of Minister of Energy, announced that Ngati Whakau did not have to negotiations with the Crown. On 23 March 1990 Mr Butcher, the 14.2 Ngati Whakau resistance led to a lengthy process of

the Geothermal Energy Act.

and unacceptable use of the powers set out by Parliament in who, if asked, would have seen the demand for payment as a lawful would guess, would even heard of the Fenton Agreement and with the perspectives of government officials, few of whom, one long historical perspective of Ngati Whakau did not sit easily officials, the demand was presumably seen quite differently. The establishment of the new town of Rotorua. To government agreement and the generous grants of land to facilitate the relationship with the Crown. Emphasis was put on the Fenton placed much reliance on what they perceived as a special perceptions. Ngati Whakau, like most of the Arawa tribes, leaders, and revealed a complete mismatch in terms of competing great many upset Ngati Whakau

naturally, question the Crown's right to levy geothermal resource
of effluent resource use. (The report does not, quite
pricing resource rentals, and evaluates them from the standpoint
is a technical discussion of the various methods available for
Report, Pricing Geothermal and Hydro Energy (1989). This report
recent reports. The first of these is a Ministry of Energy
14.3 Resource rentals have been discussed at some length in two

Fenton Agreement of 1880, Mr Butcher said.
purchasing, of what is now the City of Rotorua under the
specifically excluded from the leasing, and later
. Besides the long history of use, Ohinemutu was

would be repeated elsewhere, he said.
It was unlikely the circumstances prevailing at Ohinemutu

of life.
and it was an 'integral and important' part of their way
geothermal resource at Ohinemutu for several hundred years
It recognised that Ngati Whakau had been using the

and the Crown.
In a statement, Mr Butcher said the exemption was the
result of two years of negotiation between Ngati Whakau
and the Crown.

It is understood that most geothermal use in Ohinemutu is
by Ngati Whakau.

Members of Ngati Whakau outside Ohinemutu are also
excluded from this arrangement.

'full rentals will not be payable for any users in
Ohinemutu who are not Ngati Whakau or in respect of any
commercial usage', Mr Butcher said.

Only Ngati Whakau living in Ohinemutu have been granted
exemption from payment of rentals for geothermal energy
used for traditional purposes.

These options are: (i) tribal regulation of the entire resource; (ii) dual regulation; and (iii) a mixed system in which the regional councils would continue to have a role in association with Maori organisations and central government. In my earlier report I expressed a preference for option (ii). This appears to be generally endorsed by Manatu Maori. A great deal of research has been done on Geothermal Energy: Maori and Related Issues.

14.4 The Manatu Maori Discussion Paper refers to the options for Maori management of the resource identified by myself in my 1989 paper on Geothermal Energy: Maori and Related Issues.

B. Structural Changes

On the assumption that a share in royalty income might be a device for channeling some of the economic benefits of development of the resource into Maori hands the report usesfully includes a number of issues which impact on this. These include the question of to whom should the resource rental be paid (iwi, Landowners, a Geothermal commission)! who should set aside (royalties; who should collect them; what kinds of royalties are most appropriate?

"An important right in relation to resources is the right to obtain economic benefit from the development of the resource to partake in their economic benefit that way." The so-called 'economic rent' from the development of the crown) has a number of ways of obtaining a share of the resource directly, i.e. charge a royalty and there are a number of different ways of doing this. The other common geothermal resources. The owner can charge for the resource to participate in a development as an owner or method is for the group entitled to economic gain from the resource to obtain their share in the same way. "A part owner and obtain their economic benefit that way."

A Discussion Document (February 1991). At p.7 of this report it is observed:-

Ownership, Management and Development of the Geothermal Resource:-

rentals are also discussed in a Manatu Maori report, The for small-scale and large-scale users of the resource. Resource rentals). The report advocates different energy royalty regimes

made. If in fact the Crown intends to sell anything it

regarding the Crown's intentions in this respect has been
It should be emphasised that no official announcement

the resource to the private sector.

about to facilitate the transfer of a significant share of
considering this raised Mori fears that the Crown was
development. The suggestion that the Crown was
importantly to save costs and stimulate private sector
purpose of such a sale would be to raise revenue, but more
Crown interests in the geothermal resource¹⁷¹. The
reported that the government was considering a sale of all
"On May 17 of this year [1990] the Dominion [Wellington]

1991170:-

to the geothermal institute conference in Auckland in November
paper jointly authored by myself and D.A. Edmunds and presented
14.6 The only discussion of this issue I am aware of is in a

C. Sale of Geothermal Assets

place (and, admittedly, to reiterate my own opinion).

inform the tribunal of the discussions that have already taken
Envirofund and Mana Tu Mori) seems essential. I record this to
catchment board management, serviced perhaps by Ministry for the
who could commission research and co-ordinate tribal and
such a co-ordinating commission (meaning a small group of experts
Mana Tu Mori. If there is to be a devolution of control then
is supported also by DSIR, Dr Evelyn Stokes and - apparently - by
commission. This was supported by myself in my 1989 report, and
14.5 There has been some support for a co-ordinating geothermal

1991 facilitates such tribal self-regulation.

needs to be considered to what degree the Resource Management Act
which these present proceedings may assist in resolving. It also
regulation of the resource. This is a policy issue in any case,
might work, and to what degree there can feasibly be tribal self-
thought, however, needs to go into how such a 'mixed' system

15.1 This report has attempted to present a legal history of

15.0 SUMMARY

Management Act 1991 are listed in the annexures.

importance that they should form the subject of separate documents. The principal changes brought about by the Resource Management and the Resource Management Act are of such deregulation and privately-owned geothermal generation. Both electricity industry industry without the need for a water permit. Deregulation of the Maori customary use of the resource may now simply be continued in regard to Maori interests in geothermal resources is that Act in new geothermal resources. The chief change brought about by the new electricity industry. Both are of great significance to Management Act 1991 and current proposals to deregulate the Maori customary use of the resource may now simply be continued in regard to Maori interests in geothermal resources is that

14.7 Two others merit mention. These are the Resource Management Act 1991 are of great significance to the electricity industry. Both are of great significance to the

D. Other Recent Developments

Some of these wells are on Maori land.

Ngawha, Rotokawa, Ngatamariki, Mangakino and Kawerau. Development Limited; and exploration wells at Mokai, Limited, which in turn owns a 50% share of Tauhara ownership of Geothermal Developments and Investments of Plenty EBP to supply the Board with waste hot water; a joint venture in respect of the same field with the Bay contracts for the sale of steam to Tasman Pulp and Paper; include the Kawerau steam field, for which there exists GPT are a diverse collection of several fields. They under the Maui Gas Contracts. The geothermal assets of in the Synfuels plant at Motunui and the Crown's rights were sold in July 1990, these being the Crown's interests of Energy. The principal former assets of this divisional successor to the energy trading division of the Ministry would most likely be contingent the sale of the

beginning with the enactment of the Water and Soil Conservation Act in 1967, the Law changed slowly in response to an evolving recognition that the geothermal resource was not, after all, infinite. Concern grew about damage to surface features, loss of geysers fields, and decline in yields at Wairakei. The 1980s saw new

(c) The era of Conservation

This is exemplified by the Geothermal Energy Act 1953, and its precursor, the Geothermal Steam Act 1952. Once an awareness had emerged of the geothermal resource as an energy source the response of the Crown was to in effect nationalise it. The awareness and the response were in fact virtually synonymous. Maori involvement in the decision-making seems to have been nil.

(b) The Era of Exploration

Originally the tourist industry in Rotorua was under Maori government control. Following the Fenlon Agreement, it settled under control. By government in order to bring the Rotorua region under control, the government passed legislation aimed at preventing private purchasers from acquiring which was partly political in its objectives, and partly Spas and Districts Acts and the Scenery Protection Act; It is also associated with dimunishing Maori control over the tourist industry. The principal purpose of the Thermal Springs Districts Acts were to restrict purchase of Maori land to the Crown; the Scenery Protection Act to provide machinery for compulsory acquisition of other places, thermal areas.

(a) The Tourist Era

the resource in New Zealand. This history falls naturally into a number of phases:-

- DAEGEO01
- Cowan, The New Zealand Wars (1922) 150-51. Note that Claudiia Orange, however, is firmly of the view that Arawa did not at any time sign. See Orange, The Treaty of Waitangi (1987) 76.
 - In a letter to Fenlon from Makarit Hikairo dated 12 August 1881 concerning the Pukeroa-Orauwhata block, the compatriot's decision (MA 13/79) concerning about aspects of the Land Court's decision (MA 13/79) concerning the Pukeroa-Orauwhata block, the compatriot's decision that the blocks she was concerned about had already been adjudicated upon by the Komiti. "They were investigated before that four judges of that Tribunal, and some pieces were awarded to each other by the Komiti".
 - Fenlon, "Report", December 18, 1880 (MA 13/79) (Annexure I)
 - See Cowan, The New Zealand Wars (1922) Vol 1, 414-420; D.M. Stafford, The Founding Years in Rotorua (1986) 35-52.
 - See Ngahua Te Awekotuku, The City of Rotorua and its Meaning to Ngati Whakauae, Centre for Mori Studies and Research, University of Waikato, Hamilton, 1976, p.2; Stafford, op. cit., 67-73.
 - Stafford, op. cit., 127-30.
 7. Stafford, op. cit., 105-131.

New issues now seem to arise due to the changing economic and ideological climate. There is less discussion of conservation of the resource and of surface features, more discussion of "efficient" use of the resource. Consultation with Mori has improved considerably. Management of the resource was split until 1991 between the Ministry of Energy (now Commerce) and the catchment boards (now regional councils). With the Resource Management Act 1991 complete control now rests in the regional bodies.

(d) The contemporary era: Sale of Crown Assets, electricity industry deregulation, resource rentals

management regimes emerging at central government level and catchment board level in response. Once again, there was little Mori innovation in the decision-making.

8. See Peter Wakaka, "Taranewera - 100 Years before the Eruption", in Ian Rockefell (ed), Taranewera Eruption Centennial Exhibition (1986), busines so lucrative that, less than a decade later, they inherited a 11-13. Wakaka writes that "almost overnight, they inherited a were being held as the most affluent tribe in the country". It is estimated that the tribe had an annual income of 6,000 pounds. Te Wairoa (now known as the Buried Village) was developing as the main Taranewera settlement to service the tourist industry. So affluent were our ancestors of this period that the eyes of the world crowded figures on the meeting house, Hinemahihi, were made of gold and squatting are beginning to see their danger." 10. Feniton to Rolloeston, 16 July 1881 (M.A. 13/79): "The

9. Stafford, op. cit., 126.

11. See I Rotorua MB.

12. Stafford, at p. 145 writes: "...the Arawa tribes had consistently refused to deal with the Land Court or to sell or lease any of their lands. As a result, their territory remained almost untouched in their own hands. Ultimately, however, government surveyors began to appear in the area, necessarily of course, because of roading and other public facilities, and they were accepted by the Arawa at the time. The government also wished to proceed with normal surveys of all lands and to conduct an investigation into titles. With the assistance of government surveyors who had to live through the court. Almost all surveying was conducted by the Arawa at once there was trouble....So properly the Arawa allowed one or two pieces to be surveyed and that these activities would not facilitate the lease or sale of their lands. With the assistance of government surveyors who had to live through the court. Almost all surveying was conducted by the Arawa at once there was trouble....So

13. Stafford, op. cit., 147.

14. On Feniton, see the entry in the Dictionary of New Zealand Biography, Vol 1, 121-3 by W.L. Renwick. The best account of the government's role in the establishment of the Native Land Court remains Alan Ward, A Show of Justice (1973).

15. Bryce to Feniton, (date illegible: 10 November 1880?) M.A. 13/79. On the Crown's earlier attempts to acquire land in the region see Stafford op. cit., 147-8.

16. Feniton, "Report", December 18, 1880, (M.A. 13/79) (Annexure 1).

17. Ibid.: "I was at Ohinemutu and the adjacent villages for neigbhouring tribes as well as the resident owners." About a fortnight, and during this time I visited the
18. The Tuhourangi agreement is dated November 26, 1880. (See Annexure 3).
20. Fenton, "Report", December 18, 1880 (M.A. 13/79) (Annexure 1).
21. Ibid.
22. Agreement, (Annexure 2), Cl.1.
23. Ibid., Cl.3(1)-(6).
24. Ibid., Cl.6.
25. Ibid., Cl.7.
26. Ibid., Cl.16.
27. Agreement (Annexure 2), clause 8
28. Fenton, "Report", December 18, 1880 (M.A. 13/79) (Annexure 1).
29. e.g. on July 9, 1881 Fenton telegraphed Paora te Amohau of Ngati Whakau: "Tell the people that they need not bother their heads about rates. Parliament can put rates on to Native Land just as on to other land if it likes. Better leave everything as it is until spring. Then I will come up to arrange about rents coming in before the summer. Let me know two or three advertising the town in the Australian papers. I expect to have chieftains who will be directors for the Railways. I will be one if you will." (MA 13/79)
30. E.g. on 24 June Symonds telegraphed Fenton: "Ready for judgment await Your instructions".
31. Maiz to Fenton, 1 June 1881 (MA 13/79). Maiz is advertising Fenton of Judge Symonds' decision in favour of Ngati Whakau: the judgment is at (1881) 1 Rotorua MB 344 (Annexure 4).
32. Fenton to Rollleston, 16 July 1881 (MA 13-79).
33. e.g. Fenton to Rollleston, 16 July 1881 (MA 13/79): "There is a little brother about Ohinemumu nothing important. I wish you could induce Government to take a bold step and get the Court to say that the certificate is subject to the agreement with the Crown. The squatters are beginning to see their danger..."
34. See (1881) 1 Rotorua MB 344 (Annexure 4).
35. Puckey to Fenton, 10 April 1881 (MA 13/79).

36. Makarī Hikairo and others to Fenton, 12 August 1881. The original of the letter is in Mori, and the translation I have used is the official translation on file (MA 13/79).
37. This process will be fully documented in a later report.
38. As, for instance, in the King Country. See M.P.K. Sorrenson, "Land Purchase Methods and their Effect on Maori Population", 1865-1901", Journal of the Polynesian Society, Vol 65, 183-99, Bay of Plenty Times, 9 March 1882, quoted in Stafford, op. cit., 157.
39. When it was vested in the Crown by the Thermal Springs Act 1910, s.10.
40. Bay to Fenton, 14 February 1882 (MA 13/79).
41. Rollleston to Fenton, 14 February 1882 (MA 13/79).
42. Fenton to Rollleston, 14 February 1882 (MA 13/79).
43. On 27 February 1882 Paoora te Amohau wrote to Fenton as follows: "Friend Fenton. Salutations to you:- Sir, I have received your letter of 22nd instant telling me of the documents forwarded to you from the whole assembly of Ngatiwhakau shown You by Petere and others, respecting Pukeroa; and I have sent in my letter of 22nd instant telling me of the documents forwarded to you from the whole assembly of Ngatiwhakau, from Ohinemutu as far as Market; and I did not hear a word, except that you were holding the Pukeroa, let it be released from the town as far as the Pukeroa.
44. Thermal Springs Act 1881, s.2.
45. Ibid., s.3.
46. This is, of course, to simplify an enormous complex process.
47. 1873 AJHR G-7.
48. For a study of the comparable process in the Urewera, see Evelyn Stokes, J. Wharehuia Milroy and Harry Melbourne, The Urewera: Nga Iwi, Te Wheua, Te Ngahere, Peopole, Land and Forests of the Urewera (1986), pp. 46-105. The equivalent of the thermal springs acts in the Urewera was the Urewera District Native Reserve Act 1896.
49. The circumstances of the Waiauakei investigation and sale were first remarked upon by Alan Ward, A Show of Justice (1973), 256. See now Evelyn Stokes... .

63. Which would have been the case only after 1906.

reserves".

should be permanently reserved as scenic, thermal, or historic what lands, whether Crown or private, in the opinion of the Board report to the Governor; and shall from time to time recommend thermal springs, and make inquiries respecting the same, and possess issuing scenic or historic interest, or on which there are S. 5, "shall", when so directed by the Minister inspect any lands person other than a Maori". The Scenery Preservation Board, by possession of the 1906 Act defined "private land" to mean "land owned by any person to the Government at the expense of successive powers of the place which is centred the traditional and historical settlement of Government; and the last they deserve is that this, the place their lands to settle at the expense of the place of the Crown in the wars, have given liberty of been loyal to the Crown, have given of their best to the service the expenditure of any public or local monies. The Arrows have seeing that the island is quite detached and does not call for public works Act and the Rating Act. No one can call at this, of the island, free from the operation of the Atawas have Atawa people with regard to it. It makes an invaluable reserve island and, indeed, endorses the settlement of the whole of the to the representations of the Native claimants to that historical 59. Ibid, 1058: "Cause 9A, relating to Mokoia, is to give effect 58. See (1910) 153 NZPD 1134-35 (Dr Findlay); 4057-59 (Nagata).

57. Thermal Springs District Act 1881 Amendment Act 1883, s. 6.

56. Report on Native Lands Affected by "The Thermal-Springs Districts Act 1881", 1883 AJHR 6-9, 7-8.

55. (1883) 46 NZPD 340.

54. (1883) 46 NZPD 339.

(1897) 10 TAUPO MB 190, 312.

53. Taumarua North: Rehearing under Native Equitable Owners Act

52. 1881 NZG 1375 (Annexure 6).

(Annexure 5).

51. Proclamation defining Te Puheroa-o-Ruawahata Block a District under "The Thermal Springs Districts Act 1881", 1881 NZG 1267

65. This section is based on TO 1, 1901/36 (Waikato Reserve: Taking of Maori Lands at Waitotapu).
66. Rukingi Rotohiko Haupapa to Minister of Native Affairs, 23 October 1907.
67. 1907 NZG 2753.
68. Rockel, Talking the Waters (1986), pp. 68-9.
69. For a discussion of developments at Te Aroha see Rockel, op. cit., ch. 9.
70. Inspector of Works, Rotorua, to Superintendent, Department of Tourism and Health Resorts, 26 March 1906 (on file TO 1, 1/107/1, stage in acquiring geothermal water from pools on Maori Land at Whakarewarewa - see T.E. Donne to Engineer in Charge, Rotorua (1907):-
71. See TO 1, 1/107/1. Government was also interested at one time in resevoir I should like to be advised of the details so that I could make a representation to the government for the acquisition of the same. If the Maoris agree to release any of the thermal waters in the resevoir I should like to be advised of the proposed to do, it would not be good business to have private competition.
72. Rockel, op. cit. (above, n. 68), p. 38.
73. Ibid., 47.
74. Halsbury, 4th ed., Vol. 49, para. 368.
75. Ibid., para. 372.
76. Ibid., para. 414.
77. Ibid.
78. Action v Blundell (1843) 152 ER 1223, 1223.
79. (1843) 152 ER 1233-34.
80. Ibid.
81. See Crommelin "The US Rule of Capture: Its Place in Australia" [1986] ANPRA Yearbook 265.

82. See Crommelin, op. cit., 267.
83. See D.A. Edmunds, "Unification and the Law of Capture in New Zealand", a paper presented to the 1991 Oil Exploration Conference, Christchurch, September 1991.
84. (1937) 249 NZPD 1044.
85. Ngata was supported by, amongst others, W.A. Bodkin, the Member for Central Otago: see (1937) 249 NZPD 1048.
86. See (1937) 249 NZPD 1236.
87. For commentary on Maori claims to petroleum, see M.H. Heron, "The Maori Right to Share in Oil and Gas", Research Paper for Victoria University of Wellington, 1989. A more recent discussion is R.P. Boast, "Indigenous Claims to Petroleum Resources", a paper presented to the 1991 Oil Exploration Conference held at Christchurch, September 1991. A copy of this paper is reprinted as Annexure [].
88. (1899) AC 594, 602.
89. Crommelin, above n.81, p.
90. (1906) 2 KB 822, 827.
91. Ibid., 829.
92. Ibid., 832.
93. See e.g. P.G. McHugh, "Aboriginal Title in New Zealand and Sovereignty: Commonwealth Developments", (1986) New Zealand Courts, (1984) 2 Canterbury Law Review 235; "Aboriginal Rights Courts", (1984) 2 Canterbury Law Review 57; The Aboriginal Rights at Common Law, Ph.D. Thesis, Cambridge University, 1987. See also K. McNeil, Common Law Aboriginal Title, Oxford, 1989.
94. Calder v Attorney-General of British Columbia, (1969) 8 DLR (3d) 59 (British Columbia Supreme Court); (1970) 13 DLR 3d 64 (British Columbia Court of Appeal); (1973) SCR 313 (Supreme Court of Canada); Hamlet of Baker Lake v Minister of Indian Affairs [1980] 1 FC 518; County of Oneida v Oneida Indian Nation (1985) 1245 (1985); The Wehi v Regional Indian Fisheries Officer [1986] 1 NZLR 680.
95. David Elliott, "Aboriginal Title" in B.W. Morse (ed), Aboriginal People and the Law: Indian, Métis and Inuit Rights in Canada (1985), ch.3, p.51.
96. Law Commission, Report on the Treaty of Waitangi and Maori Fisheries: Mataitai: Ngā Tīkanga Mori me te Tiriti o Waitangi (1989), 57-58.
97. For a discussion of this case law see R.P. Boast, "Treaty Rights or Aboriginal rights?" [1990] NZLJ 32.

99. Minutes v US 207 US 564, 576 (1908).
98. Bartlett, Aboriginal Water Rights in Canada, (1988), p.
100. Statement by the Hon. R. Semple, Minister in Charge of the State Hydro-Electric Department, 1947 AJHR D-4.
101. See ibid., 1-2.
102. Mr Goosman, Minister of Works, introducing the Geothermal Steam Bill, 22 July 1952: (1952) 297 NZPD 446.
103. Ibid.
104. The main source I have relied on for this episode, which is somewhat little-known in New Zealand at the present time, is a detailed study of the tests conducted in Australia see the Report of the Royal Commission into British Nuclear Tests in 1985, Aust. Parallelly Paper Australia (McLellan Report), 1985, Aust. Parallelly Paper 482/1985. The most detailed study of British atomic energy and nuclear weapons policy in the post-war period is M. Gowing, Independentence and Detrence, Macmillan, London, 1974 (2 vols.).
105. Memo from Minister for Scientific and Industrial Research to see for Internal Affairs on NZED, 1, 2/0/83.
106. Memo from Minister for Scientific and Industrial Research to see for Internal Affairs on NZED 1, 2/0/83.
107. Original on NZED, 1, 2/0/83.
108. Robin Fry, Power from the Earth, 1985, 9.
109. Electricity Department file 1, 2/0/22/3 ft. II. Doc A54. See T. Bennington, New Zealand Law and the Geothermal Resource, Waitangi Tribunal, April 1990. The taking of this block led to Maxwell, The Maori Use of Geothermal Energy, a report to the Waitangi Tribunal, MB 272-277 and (1919) 18 Whakatane MB 158. A notice of intention to take part of this block was first gazetted in 17 Whakatane MB 272-277 and (1919) 18 Whakatane MB 158. A notice of acquisition over the amount of compensation payable: see (1918) Gazette No. 100, 18 July 1918). Compensation for the block was taken by proclamation on 18 July 1918 (Gazette No. 100, 18 July 1918). A further notice was lodged in 1918 and the Land Acquisition Act was taken by proclamation on 18 July 1918 (Gazette No. 100, 18 July 1918).
110. See below, para.

such time as the interests of the respective owners were determined. In May 1932 the remaining Mori-owned part of the block was partitioned into Rangeitaki 12A and 12B. A further area of 25 acres was taken for a reclamation ground by the government dated 23 August 1939 (NZG 1939 2245) for which compensation was fixed by the court at £129: see (1040) 26 MB 274-6, 338. This area is the thermal area usually referred to as Awakeri. For further details see Paora Maxwell, op. cit., 23-25; Ian Rockel, taking the waters: Early Spas in New Zealand (1986) ch. 17. Rockel points out that the Whakatane County Council.

112. (1952) 297 NZPD 446, 22 July 1952.

113. Water-Power Act 1903, s.2:-

"The Governor may from time to time, by Order in Council gazette, delegate to any local authority, on such conditions as he thinks fit, the right to use water from any lake, falls, works, outside a mining district, may, subject to such conditions as he thinks fit, grant to any person or company the right to use water from any fall, river, or stream for the purpose of generating electricity for works, outside a mining district, may, subject to such conditions as he thinks fit, grant to any person or company the right to use water from any fall, river, or stream for the purpose of generating electricity for lighting or motive power.

114. As can be seen from s.4 of the Water-Power Act:-

"Notwithstanding anything in this Act, the Minister for Public Works, outside a mining district, may, subject to such conditions as he thinks fit, grant to any person or company the right to use water from any fall, river, or stream for the purpose of generating electricity for lighting or motive power.

115. (1952) 297 NZPD 449.

116. McLagan, ibid., 450.

117. Ibid., 452.

118. The Atomic Energy Act was enacted by the Labour Government in 1945. Section 8 of the Act, which obviously has affinities with the equivalent provisions in the Water-Power Act, vests ownership of all uranium in the Crown:-

"8. (1) Notwithstanding anything to the contrary in any Act or in any Crown grant, certificate of title, lease, or other instrument of title, all uranium existing in its natural condition on or below the surface of any land within the territorial limits of New Zealand, whether the land has been alienated from the Crown or not, is hereby declared to be the property of the Crown."

No compensation was available for this expropriation: s.9.

The provisions are virtually identical to those in the Petroleum Act: the equivalent section are s.3 and s.39(5). The situation No compensation was available for this expropriation: s.9.

Article 8. (1) Notwithstanding anything to the contrary in any Act or in any Crown grant, certificate of title, lease, or other instrument of title, all uranium existing in its natural condition on or below the surface of any land within the territorial limits of New Zealand, whether the land has been alienated from the Crown or not, is hereby declared to be the property of the Crown."

Geothermal Energy Act 1953.
126. The Geothermal Team Act was repealed by s.17(1) of the

1948, had never been passed."
encumbrances, lenses, and interests, as if Part I of the Coal Act, same persons, in the same manner, and subject to the same remained vested, as from the commencement of that Act, in the deeded not to have been so vested in the Crown, but to have I of the Coal Mines Act, 1948, to be vested in the Crown shall be "All coal, servitudes, and rights that were declared by Part owners. Section 2 of the Coal Mines Amendment Act 1950 states:-
1950. This re-vested all privately-owned coal in its former incoming National Government was the Coal Mines Amendment Act vested all coal in the Crown. One of the first measures of the nationalisation of resources. Section 3(1) of the Coal Act 1948 anythiing else to raise the political temperature of the issue of controversial coal Act 1948, a measure which had done more than controvetsial Coal Act 1948, a measure which had done more than 125. This was a reference to the former Labour Government's

124. Ibid., 457.

123. Ibid., 456.

122. Ibid.

121. Ibid.

120. (1952) 297 NZPD 455.

(1937) 249 NZPD 1048."
respect of this privilege or right which is now being taken away: that at least some compensation is paid to these people in the spirit of the Treaty of Waitangi.....there is a duty to see that spirt of the Treaty of Waitangi...the House desires to carry out Waitangi. So, if any member of the House guaranteed him by the Treaty of Waitangi of ownership was definitely guaranteed him by common law. That Maori who has full ownership as recognized by common law. Then the right to petroleum, it does so at the expense of the State permits the sinking of a well on Maori lands and secures control of it on his land and gets possession of it. If the character, becomes one of our common law principles is after the law at all, because one of a migratory character does not that a commodity, such as gas or oil, which is of a migratory character, becomes one of our common law principles is seeking to take away those rights and vest them in the State. The fact that petroleum is of a migratory character does not people at common law, and the Parliament of New Zealand is now seeking to take away those rights to the Maori. "The Treaty of Waitangi guaranteed those rights to the Maori

119. In 1937 Bodkin said:-

"10. Petroleum, gold, silver, and uranium - Notwithstanding anything to the contrary in any Act or in any Crown grant, is now governed by s.10 of the Crown Minerals Act 1991:-
any right to the contrary in any Act or in any Crown grant, certificated of title, lease, or other instrument of title, all petroleum, gold, silver, and uranium existing in its natural condition in land (whether or not the land has been alienated from the Crown) shall be the property of the Crown."

127. (1953) 301 NZPD 2647.
128. Ibid., 2468.
129. Ibid., 2469.
130. (1953) 301 NZPD 2470.
131. The Geothermal Steam Act 1952 defined "geothermal steam" as "...steam, water, vapour, and every kind of gas, and to include:-
132. s.5(1).
133. See Rototua Geothermal Users Association Ltd v Minister of Energy and Her Majesty's Attorney-General, unrep., 13 May 1987, HC, Wellington, CP 543/86 (Heron J.). pp.13-15 for an analysis of the legality of the Minister's decision.
134. Section 8(1) permits the Governor-General to apply the national industrial underraking which will use geothermal energy is of national importance" - an interest in geothermal energy for return of the section in circumstances where Ministers have certified to the Governor-General under section 8(2) goes on to provide:-
135. See s.9(1), proviso (a); s.5.
136. (1953) 301 NZPD 2469. Goosman did also state that a reason for government control of the resource was that "it is necessary to ensure that these forces of Nature is properly contracted, and also that nearby tourists are not damaged".
137. (1953) 301 NZPD 2473 (25 November 1953).
138. Section 2 of the Geothermal Energy Amendment Act 1966 inserted s.3A and 9A into the Parent Act.
139. Geothermal Energy Amendment Act 1969 s.2(b).

140. See Geothermal Energy Amendment Act 1966, s.4(1). This set out a standard resource rentat^l figure.
141. See Ministry of Energy Act 1977 s.3(1).
142. See Ministry of Energy Act 1977 s.22.
143. Rotorua City Geothermal Energy Empowering Act 1967, s.8.
144. Ibid., s.15. See also Geothermal Energy Act 1953, s.3A and 9A.
145. Quoted by Heron J. in Rotorua Geothermal Users Association v. Minister of Energy, unrep., 13 May 1987, High Court, Wellington, CP 543/86, p.2.
146. Ibid., 5-6.
147. See the Minister of Works at (1953) 301 NZPD 2469.
148. See generally R.F. Keam, Taxawera: The Volcanic Eruption of 10 June 1886 (1988). The Rotomahana eruption became uninhabitable thouranga in 1984. See Keam op. cit. 296-97.
149. See B.F. Houghton, B.F. Lloyd and R.F. Keam, The Preservation of hydrothermal system features of scientific and other interest:
- notes on other springs of N 94", upublished report NZGS, DSIR, 1951.
150. D.R. Gregg and A.C. Laiing, "Hot springs of sheet n 94/4, with
- An Overview, WVA Technical Publication No. 48, Wakato Valley Authority, Hamiltion, 1987, 49.
151. M. Davenport, Beat Huser, C. Hannan, P. Dell, T. Tuuta-
152. Ibid., 49.
153. See Evelyn Stokes, Maori Issues at Orakei Korako: A Report to the Ngati Taahu Trustees.
154. E.F. Lloyd, Geology and Hot Springs at Orakei Korako, NZGS Bulletin No. 85, Wellington, 1972.
155. SR 1987/73.
156. Rotorua Geothermal Users Association Inc. v Minister of Energy, unreported, 13 May 1987, High Court, Wellington (CP 543/86).
157. See Regulations Review Committee 1987 (Chairman: Mr D.L. Kidd), Report on the Committee's Inquiry into the Geothermal
- Energy Regulations 1961, Wellington, 1987. The Committee's

- Report was strongly critical of the state of geothermal licensing procedures: see *ibid.*, p.9. See generally R.P. Boast and D.A. Edmunds, "Geothermal Resources and the Law", a paper presented to the 1990 Geothermal Conference, Auckland University, November 1990, pp.13-14.
158. Rangitikei-Wanganui Catchment Board and Regional Water Board, Wanganui River Minimum Flow of the Tribunal (20 September 1988), 22.
159. Planning Tribunal Decision on Wanganui River Minimum Flow Appeals, 1990, 57.
160. See *ibid.*, 70, 71-72, 178-79. Compare this with Management Sewerage Report (Wai-17), August 1988, p.7.
161. In the matter of an application by Geothermal Energy Ltd: Report and Recommendations of the Special Tribunal, Waihakau Catchment Board, 24 August 1989, p.10.
163. Geothermal Energy Ltd v Electricity Corporation of NZ Ltd and The Waihakau Regional Council, unreported, 16 July 1991, Planning Tribunal A 58/91 (Judge Sheppard).
164. See *ibid.*, 37.
165. *Ibid.*, 47.
166. See R.F. Keam (ed) Geothermal Systems: Energy, Tourism and Conservation: The proceedings of a seminar organised jointly by the Nature Conservancy Council and the Environmental Defence Society, Nature Conservancy Council Council, 1982. The present author has a copy only of a part of this document. The paper on Ohauaki was presented by Evelyn Stokes (see *ibid.*, 45-51).
167. P. Gresham, O. Cox, C. Chung, and Alison Voice (ed), Management of Geothermal Resources: Issues and Options, Issues and Options Paper No. 1983/1, Commission for the Environment, and Options Paper No. 1983/1, Commission for the Environment, Wellington.
168. *Ibid.*, 21.
169. R. Curtis, P. Dell, B. Husser, Strategy, Policy and Guidelines for Geothermal Management, Waikato Catchment Board, Hamilton, 1988.
170. D.A. Edmunds and R.P. Boast, Geothermal Resources and the Law, a paper presented to the 1990 Geothermal Institute Conference, Auckland University, November 1990, pp.13-14.
171. "State geothermal assets may be sold off", The Dominion, 17 May 1990, p.1.