

Risk Identification																	
Ref	Date Identified	The risk: what can go wrong or prevent us from achieving our desired objective? The opportunity: what things can assist us in helping us achieve our desired objective?	Consequence of Risk	What are the existing controls	Status	Qualitative Risk Analysis		Risk Priority	Risk Matrix	Proposed Mitigation / Treatment	Manager	Contact Details	Completion Date	Status Interval or Milestone to check	Date, Status and Review Comments	Status Interval or Milestone to check	Date, Status and Review
						Likelihood Descriptor	Consequence Descriptor										
Category 1: General Vehicle Safety Risk - Base Travel Demand / Growth Forecasts / Assignment / Accidents																	
Function / Activity: 1 Base Travel Demand																	
1.1 Age of data source																	
a	20/3/2008	Out of date traffic surveys or counts	Incorrectly predicts the benefits and leads to incorrect preferred option		Emerging	Rare	Medium	Moderate			Opus/TNZ						
b	20/3/2008	Strategic traffic model and origin and destination data out of date.	Incorrectly predicts the benefits and leads to incorrect preferred option		Live	Likely	Minor	Moderate		Assessment of differences between W15M and 2001 Kapiti Model	ZASWHRUKU						
c	20/3/2008	The traffic model does not adequately include the expected population growth figures.	Incorrectly predicts the benefits and leads to incorrect preferred option		Live	Likely	Minor	Moderate		KCDC review of household and employment projections within W15M and updated 2001 Kapiti Model info	ZASWHRUKU						
1.2 Data scope does not include all necessary variables for modelling																	
a	20/3/2008	Strategic Traffic Model has been inadequately reviewed and verified	Incorrectly predicts the benefits and leads to incorrect preferred option	Model has been reviewed and validated for base year	Parked	Rare	Medium	Moderate		Proposal presented to TNZ to update Model and Forecast Years	TNZ/GWRC						
b	20/3/2008	Strategic Traffic Model. Future year models inaccurate as a result of any errors in the validated base year model being extrapolated into the future year models.	Incorrectly predicts the benefits and leads to incorrect preferred option	A generic problem of traffic models	Parked	Likely	Medium	Very High		Proposal presented to TNZ to update Model and Forecast Years	TNZ/GWRC						
c	20/3/2008	No weekend model	Incorrectly predicts the benefits and leads to incorrect preferred option	A generic problem of traffic models	Live	Quite Common	Medium	Very High		Weekend traffic is becoming just as much an issue as week day traffic flows	Transit/GWRC						
d	20/3/2008	Model does not match other current models e.g. TG.	Incorrectly predicts the benefits and impacts on regional prioritisation		Live	Likely	Medium	Very High		Proposal presented to TNZ to update Model and Forecast Years	Transit/GWRC						
1.3 Data quantity & statistical reliability does not meet necessary standards																	
a	20/3/2008	Traffic counts: sample does not represent the actual population.	Incorrectly predicts the benefits and leads to incorrect preferred option		Emerging	Quite Common	Minor	Moderate		Proposal presented to TNZ to update Model and Forecast Years.	Opus						
b	20/3/2008	Land use and Employment Data used for current and future year assessment incorrect	Incorrectly predicts the benefits and leads to incorrect preferred option		Emerging	Quite Common	Minor	Moderate		KCDC undertaking review of GWRC and Stats NZ data.	KCDC						
1.4 Traffic composition																	
a	20/3/2008	Traffic composition incorrectly determined due to inadequate sample of annual traffic or use of standard values.	Incorrectly predicts the benefits and leads to incorrect preferred option		Emerging	Unlikely	Minor	Moderate			Opus						
Function / Activity: 2 Growth Forecasts																	
1.10 Urban population growth																	
a	20/3/2008	Projected growth of population and hence number and frequency of trips incorrect	Incorrectly predicts the benefits and leads to incorrect preferred option		Emerging	Quite Common	Minor	Moderate		Proposal presented to TNZ to update Model and Forecast Years.	SWRC / KCDC						
1.11 Development related traffic as proportion of scheme traffic																	
a	20/3/2008	Project induced (or urban development related generated) traffic is not (or is incorrectly) assessed	Incorrectly predicts the benefits and leads to incorrect preferred option		Emerging	Quite Common	Minor	Moderate		Sensitivity test scenarios developed to look at different development scenarios and lower traffic demand	TNZ/GWRC						
Function / Activity: 3 Assignment																	
1.20 Other future projects																	

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a	20/3/2008	Future projects will significantly affect the project's viability and function. Uncertainty about which future projects should be included in base model.	Incorrectly predicts the benefits and leads to incorrect preferred option		Emerging	Rare	Major	High		Carry Out Sensitivity Test	GWRC & Opus						
b	20/3/2008	WLR project benefits less than predicted.	Incorrectly predicts the benefits and leads to incorrect preferred option		Emerging	Rare	Major	High		Carry Out Sensitivity Test	GWRC & Opus						
1.21 both derivation method includes the assignment procedures used to load trips onto the network and select vehicle routes.																	
a	20/3/2008	There are a number of closely competing alternative routes	Incorrectly predicts the benefits and leads to incorrect preferred option		Parked	Rare	Minor	Low		Carry Out Sensitivity Test WLR does not occur or occurs in part.	Opus						
1.22 Supply Relationships																	
a	20/3/2008	Parts of the network are very congested	Incorrectly predicts the benefits and leads to incorrect preferred option		Live	Quite Common	Medium	Very High		Carry Out Sensitivity Test	Opus						
b	20/3/2008	Timing of Do Min projects is uncertain	Incorrectly predicts the benefits and leads to incorrect preferred option		Live	Quite Common	Medium	Very High		maintain RLTS updates and ensure consistent project assumptions match those of the region.	Transit/GWRC						

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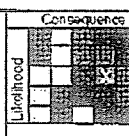
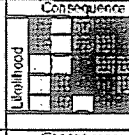
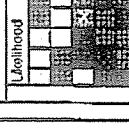
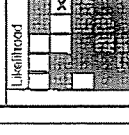
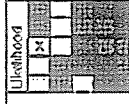
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Risk Identification						Risk Assessment				Risk Action Plan						Monitoring and Review	
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1.23 Convergence																	
a	20/3/2008	assignment does not meet validation requirement	Incorrectly predicts the benefits and leads to incorrect preferred option		Parked	Unlikely	Medium	High		Proposal presented to TNZ to update Model and Forecast Years. Recommendation made that an external peer review be appointed.	TNZ						
Function / Activity: 4 Accidents																	
1.31 Proportion of benefits accounted for by accidents																	
b	20/3/2008	Benefits accounted for by accidents or accident analysis incorrect	Incorrectly predicts the benefits and leads to incorrect preferred option		Live	Rare	Minor	Low		Link by link analysis to be carried out, however full assessment of accidents for all intersections to detailed	Opus						
Function / Activity: 5 Other Traffic Modelling Related Risks																	
1.41 Traffic modelling related risks																	
a	20/3/2008	the technically complex interfaces (inc data usage) between different sets of traffic models	Incorrectly predicts the benefits and leads to incorrect preferred option		Live	Unlikely	Medium	High		Check/validate transfer of origin and destination matrices	Opus						
b	20/3/2008	project loses credibility because traffic modelling and data produced is poor or flawed	project stalls		Live	Unlikely	Medium	High			ZIGWROK						
c	20/3/2008	Timely information and traffic models made available	project programme is delayed		Live	Likely	Medium	Very High		Proposal presented to TNZ to update Model and Forecast Years.	ZIGWROK						
d	20/3/2008	Stakeholders don't believe modelling results	Can not get political buy-in of preferred solution		Live	Likely	Medium	Very High		Raise understanding of modelling and present result in easy to understand and logical way.	ZIGWROK						

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Category 2: Passenger Transport																	
Function / Activity: 1 Key Relationship																	
2.1 Relationship to other projects																	
a	20/3/2008	Decisions for rail are made which limit ability and flexibility to make changes.	project programme is delayed increased project costs		Live	Unlikely	Major	Very High			GWRC/KCOC						
2.2 Relationship to Urban Form																	
a	20/3/2008	Urban Design Strategies and objectives are unknown, unclear or too vague resulting in inadequate or inappropriate passenger transport solutions being proposed.	design and cost uncertainty		Live	Unlikely	Medium	High			KCOC						
b	20/3/2008	Wairarapa Station, the location, cost and design of the new station limits feasibility for SH1 and the improvement to the local community and interchange.	Poor outcomes for users		Live	Quite Common	Medium	Very High			TNZ/GWRC/KCOC/Ontrack						
Function / Activity: 2 Base Travel Demand																	
2.3 Age of data source																	
a	20/3/2008	Strategic passenger transport model and origin and destination data incorrect. The model does not adequately include the proposed population growth figures for Kapiti and further north. The model does not adequately predict likely change in modal shift due to future transport costs.	Incorrectly predicts the benefits and leads to incorrect preferred option		Live	Likely	Minor	Moderate		Use results from the model as a tool to guide decision making. Use manual methods and sensitivity testing to account for growth at different parts of Kapiti for PT	GWRC						
Function / Activity: 3 Quality of Passenger Transport Route																	
2.4 Accuracy of modelling																	
a	20/3/2008	Inability of Passenger Transport Model to accurately predict the intended level of service. The route becomes unreliable or is slower than predicted due to the route operating over capacity or from other delays. This may be relevant for bus, however unlikely to be rail.	Incorrectly predicts the benefits and leads to incorrect preferred option	Limited bus demand and / or provision - bus linked to traffic delay and speeds.	Live	Unlikely	Negligible	Negligible		Sensitivity testing	Opus						

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						Likelihood Descriptor	Consequence Descriptor	Risk Priority												
Category 3: Cost Risk - Land and Property																				
3.1 land designation																				
a	20/3/2008	land designation - declined	project stalls		Emerging	Unlikely	Medium	High		Am to included in Distnd Plan Review	TNZKDC									
b	20/3/2008	land designation - delayed	project programme is delayed		Emerging	Quite Common	Medium	Very High		Public Works Act a consideration of alternative.	TNZKDC									
c	20/3/2008	land designation is inadequate	proed programme is delayed and further works required to obtain further land required		Emerging	Unlikely	Medium	High		Ensure enough land is safeguarded for requirements	Opus									
3.2 land purchase																				
a	20/3/2008	unable to locate alternative land for key access impacted	project stalls or is delayed while alternative options are investigated or land is compulsory purchased		Emerging	Unlikely	Medium	High			TNZKDC									
b	20/3/2008	unable to purchase required land	project stalls or is delayed while alternative options are investigated or land is compulsory purchased		Emerging	Unlikely	Medium	High			TNZKDC									
c	20/3/2008	difficult land / property owners	increase cost of land purchase project programme delayed while land is acquired		Emerging	Quite Common	Medium	Very High			TNZKDC									
3.3 land easements and accesses																				
a	20/3/2008	difficulty to obtain land entry agreements - for investigation works	project programme delayed		Emerging	Unusual	Medium	High		Manage relationships / timing etc.	TNZKDC									
3.4 land other																				
a	20/3/2008	damage to neighbouring properties	increased costs of purchase poor public relations		Emerging	Rare	Medium	Moderate			TNZKDC									
b	20/3/2008	change in land zoning	Increased costs of purchase		Emerging	Rare	Medium	Moderate		Address this in DP Review and confirm an appropriate level of land use change based upon proposed solution (infrastructure).	TNZKDC									
c	20/3/2008	Paraparaumu Domain and RSA (or other similar areas) considered areas of local significance and can't be relocated.	can not use land for highway purposes		Emerging	Quite Common	Medium	Very High		look at alternative sites for domain and RSA etc., or consider rail realignment.	TNZKDC									

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Category 4: Social and Environmental																	
4.1 Planning, consents and consent conditions																	
a	20/3/2008	Resource Management Act Consents - declined		project stalls		Emerging	Unusual	Major	High			TNZKDOC					
b	20/3/2008	Resource Management Act Consents - delayed		project programme is delayed		Emerging	Unlikely	Medium	High			TNZKDOC					
c	20/3/2008	Resource Management Act Consents - unaware that requires notification		project programme is delayed		Emerging	Unusual	Medium	High			TNZKDOC					
d	20/3/2008	Resource Management Act Consents - onerous conditions - working hours restrictions		project programme is delayed increased project costs		Emerging	Unusual	Minor	Low			TNZKDOC					
e	20/3/2008	difficulties in obtaining building consents		project programme is delayed increased project costs		Emerging	Rare	Minor	Low			TNZKDOC					
f	20/3/2008	Heritage issues - approval application delayed / declined		project programme is delayed increased project costs		Emerging	Unlikely	Medium	High			TNZKDOC					
g	20/3/2008	Onerous conditions imposed by Historic Places Trust		project programme is delayed increased project costs		Emerging	Unlikely	Medium	High			TNZKDOC					
h	20/3/2008	Other consents required?		project programme is delayed increased project costs		Emerging	Rare	Minor	Low			TNZKDOC					
i	20/3/2008	Environmental issues relating to landfill site		Cost Implications		Emerging	Quite Common	Medium	Very High		Geotechnical testing to confirm extent of landfill	TNZKDOC					
4.2 Local community																	
a	20/3/2008	opposition to proposed project		project programme is delayed or stalled		Live	Likely	Major	Extreme		Manage and inform of options / alternatives and active planning of impact mitigation.	TNZKDOC					
4.3 Air concerns																	
a	20/3/2008	opposition to proposed project		project programme is delayed or stalled		Live	Likely	Medium	Very High			TNZKDOC					
b	20/3/2008	linkages between Waitanaki Marae and Cemetery		project programme is delayed or stalled		Live	Likely	Medium	Very High		Work with iwi and develop permanent or temporary solutions	TNZKDOC					
4.4 Social & community infrastructure																	
a	20/3/2008	local community route severance (pedestrian/cyclist/general traffic)		poor public relations and decline in community cohesion and poor urban form		Live	Unlikely	Medium	High		design options aim to improve existing and minimise impact	TNZKDOC					
4.5 Essential road users																	

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						Likelihood Descriptor	Consequence Descriptor												
a	2006/2008	disruption of essential road users (emergency services)	Health & safety concerns / loss of life		Live	Rare	Major	High	Consequence Likelihood		INZKLC								
4.6	Consultation																		
a	2003/2008	Inadequate Community Consultation	poor public relations, failure to get consents, stakeholders not feeling consulted		Live	Quite Common	Medium	Very High	Consequence Likelihood	Undertake quality consultation and appropriate levels of engagement	Opus								

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4.7 Ecology																			
a	20/3/2008	unknown flora found		project programme is delayed increased project costs		Emerging	Rare	Minor	Low			TNZKDC							
b	20/3/2008	unknown fauna found		project programme is delayed increased project costs		Emerging	Rare	Minor	Low			TNZKDC							
4.8 Archaeological																			
a	20/3/2008	unknown sites		project programme delayed		Live	Likely	Minor	Moderate			TNZKDC							
4.9 Hydrology																			
a	20/3/2008	Proposed alignment impacts on stormwater balance		project cost increase poor public relations		Emerging	Quite Common	Minor	Moderate		Achieve KDC development standards for stormwater.	TNZKDC							
b	20/3/2008	Impacts on flood path of key rivers/catchments (Waikanae/Otaki)		poor public relations		Emerging	Quite Common	Minor	Moderate		Safeguard for future, including climate change. Liaise with GWRC	ZKDC/GW							
b	20/3/2008	High water table impacts on design solutions for hydrological management and loading infrastructure.		Flood costs increases		Emerging	Quite Common	Minor	Moderate		Safeguard for future, including climate change. Liaise with GWRC	ZKDC/GW							
4.9 Emissions																			
a	20/3/2008	dust levels exceed consent conditions		project cost increase poor public relations		Emerging	Rare	Minor	Low			TNZKDC							
b	20/3/2008	Proposals impact on noise conditions		project cost increases, route options need to be modified, poor public relations		Emerging	Unlikely	Medium	High			TNZKDC							
b	20/3/2008	noise levels during construction exceed consent conditions		poor public relations		Emerging	Rare	Minor	Low			TNZKDC							
c	20/3/2008	noise levels after completion exceed consent conditions		additional works after construction complete poor public relations		Emerging	Unusual	Medium	High			TNZKDC							
d	20/3/2008	vehicle emissions		effect on community, schools and public areas	Objective to remove congestion at Porpoetumu and Wakanee.	Emerging	Unusual	Minor	Low			TNZKDC							
4.11 Health & safety																			
a	20/2/2008	injury to site staff / public during investigations		health & safety concerns		Live	Rare	Medium	Moderate		Health and safety Plan	Opus							

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Category 5: Asset Development (Design, Engineering, and Construction)																				
Function / Activity: Design/Engineering																				
5.1 Project Scope																				
a	20/3/2008	poorly defined project functional objective (client)	project programme is delayed increased project costs. Project stalls		Live	Rare	Major	High				TNZKCCO								
b	20/3/2008	client performance criteria is not clearly scoped (client)	project programme is delayed increased project costs. Project stalls		Live	Unusual	Medium	High				TNZKCCO								
c	20/3/2008	assumptions not fixed	project programme is delayed increased project costs. Project stalls	Development, infrastructure and demographics	Live	Unlikely	Medium	High		confirm and update assumptions register.		TNZKCCO								
d	20/3/2008	poorly defined project design / scope (consultant)	design errors and omissions. project programme is delayed increased project costs		Live	Unlikely	Medium	High			Opus									
e	20/3/2008	client initiated variations of scope	project programme is delayed increased project costs.		Live	Quite Common	Medium	Very High				TNZKCCO								
f	20/3/2008	stakeholder initiated variations to scope	project programme is delayed increased project costs.		Live	Quite Common	Medium	Very High		Ensure client agreement and manage program / costs		TNZKCCO								
5.2 Design Standards Definition																				
a	20/3/2008	changes in design standards (Client)	project programme is delayed increased project costs		Live	Quite Common	Minor	Moderate				TNZKCCO								
b	20/3/2008	changes in design standards (other). This might be requirements (yet unstated) that might be imposed to keep the project alive	project programme is delayed increased project costs		Live	Unlikely	Minor	Moderate				TNZKCCO								
5.3 Surveys - topographical / geostatic																				
a	20/3/2008	inaccurate information	design and cost uncertainty		Live	Unlikely	Medium	High		Attempts have been made to get most accurate information possible.	Opus									
5.4 Knowledge of ground conditions																				
a	20/3/2008	limited / no geotechnical knowledge is available	design and cost uncertainty		Live	Quite Common	Major	Very High		Include uncertainty in cost estimates. Identify key issues for fatal flaws.		Opus								
b	20/3/2008	uncertainty of ground conditions - cuts	design and cost uncertainty		Live	Quite Common	Medium	Very High		Include uncertainty in cost estimates.		Opus								
c	20/3/2008	uncertainty of ground conditions - undercuts	design and cost uncertainty		Live	Quite Common	Medium	Very High		Include uncertainty in cost estimates.		Opus								
d	20/3/2008	uncertainty of ground conditions - fills	design and cost uncertainty		Live	Quite Common	Medium	Very High		Include uncertainty in cost estimates.		Opus								

Risk Register for SH1 Kapiti Strategy Study Project

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e	20/3/2008	uncertainty of ground conditions - ground water extent greater than expected		increased project costs to deal with issue project programme delays		Live	Quite Common	Minor	Moderate		Include uncertainty in cost estimates	Opus							
f	20/3/2008	uncertainty of ground conditions - contamination / hazardous materials		increased project costs to deal with issue project programme delays		Live	Unlikely	Major	Very High		Include uncertainty in cost estimates	Opus							
g	20/3/2008	Over weight and over dimension routes		design and cost uncertainty		Live	Unlikely	Minor	Moderate		Include in design uncertainty.	Opus							
5.5 Pavement / Surfacing design																			
a	20/3/2008	pavement design solutions are inappropriate		design and cost uncertainty		Live	Rare	Medium	Moderate		Include uncertainty in cost estimates.	Opus							
5.6 structures																			
e	20/3/2008	safe founding level is uncertain		increase depth of piles / foundations increases cost		Live	Rare	Minor	Low		Include uncertainty in cost estimates.	Opus							
b	20/3/2008	Lack of detail about required structures		design and cost uncertainty		Live	Quite Common	Medium	Very High		Include uncertainty in cost estimates.	Opus							
c	20/3/2008	Underpasses		design and cost uncertainty		Live	Quite Common	Major	Very High		Include uncertainty in cost estimates	Opus							
5.7 services information and data																			
a	20/3/2008	inadequate data acquisition re: existence, location, condition, extent and accuracy		design and cost uncertainty		Live	Quite Common	Minor	Moderate		Include uncertainty in cost estimates	Opus							
b	20/3/2008	Disruption to service supply of local residents due to construction activities		poor public relations		Emerging	Unlikely	Minor	Moderate		Include uncertainty in cost estimates	Opus							
5.8 safety audits																			
e	20/3/2008	safety auditors request additional work		increased project costs to deal with issue project programme delays		Emerging	Unlikely	Medium	High			TNZKDC							
5.9 financial / estimates																			
a	20/3/2008	project unable to move to next phase as exceeded budget allocation, or project benefits not sufficient to justify.		increased project costs to deal with issue project programme delays		Emerging	Unlikely	Major	Very High			TNZKDC							
b	20/3/2008	rate of cost escalation is above that predicted		increased project costs to deal with issue project programme delays		Emerging	Unlikely	Medium	High			TNZKDC							
5.10 Urban Form																			
a	20/3/2008	Urban Design Strategies are unknown or unclear. Inadequate or inappropriate transport solutions proposed		design and cost uncertainty		Live	Quite Common	Medium	Very High		Reflect on alternatives and undertake sensitivity testing	Opus/KLW							

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		The risk: what can go wrong or prevent us from achieving our desired objective?	The opportunity: what things can assist us in helping us achieve our desired objective?	Consequence of Risk		Likelihood Descriptor	Consequence Descriptor										
b	20/3/2008	Urban Design Impacts - In particular severance and amenity of communities (Paraparaumu and Waikanae)		Incorrect assessment of impacts and likelihood of fatal flaw	Live	Quite Common	Major	Very High		Undertake visual assessment	Opus/KDC						
c	20/3/2008	Loss in economic viability of areas and sense of community		Design and cost uncertainty	Live	Unlikely	Major	Very High		Consideration of consequences in evaluation.	Opus/KDC						

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Risk Register for SH1 Kapiti Strategy Study Project

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Ref	Date Identified	Risk Identification		Consequence of Risk	What are the existing controls	Status	Qualitative Risk Analysis		Risk Priority	Risk Matrix	Proposed Mitigation / Treatment	Manager	Contact Details	Completion Date	Status Interval or Milestone to check	Date, Status and Review Comments	Status Interval or Milestone to check	Date, Status and Review		
		The risk: what can go wrong or prevent us from achieving our desired objective?	The opportunity: what things can assist us in helping us achieve our desired objective?				Likelihood Descriptor	Consequence Descriptor												
Function / Activity: Construction																				
5.20 Labour, plant and materials																				
a	20/3/2006	Insufficient resources available		Increased project costs to deal with issue project programme delays		Emerging	Unlikely	Medium	High		Programme and manage work and projects.	TNZKDC								
5.21 Traffic management																				
a	20/3/2006	Inadequate or inappropriate traffic management planned for and budgeted during design phase		Increased project costs to deal with issue project programme delays		Emerging	Unlikely	Medium	High			TNZKDC								
b	20/3/2006	Significant construction difficulties associated with maintaining SH1 route and project.		Increased project costs to deal with issue project programme delays		Emerging	Unlikely	Medium	High		Utilise WLR once completed	TNZKDC								
5.22 Watercourse & groundwater protection																				
a	20/3/2006	Inadequate during construction period		Environmental concerns, site closure and fines		Emerging	Unusual	Medium	High			TNZKDC								
5.23 Erosion & sediment discharge																				
a	20/3/2006	Exceeds consent conditions		Environmental concerns, site closure and fines		Emerging	Unusual	Medium	High			TNZKDC								
5.24 Health & safety																				
a	20/3/2006	Injury to site staff / public during construction.		Health & safety concerns fines and / or possible site closure		Emerging	Unlikely	Medium	High			TNZKDC								

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Ref	Date Identified	Risk Identification		Consequence of Risk	What are the existing controls	Status	Qualitative Risk Analysis		Risk Priority	Risk Matrix	Proposed Mitigation / Treatment	Manager	Contact Details	Completion Date	Status Interval or Milestone to check	Monitor and Review					
		The risk: what can go wrong or prevent us from achieving our desired objective?	The opportunity: what things can assist us in helping us achieve our desired objective?				Likelihood Descriptor	Consequence Descriptor								Date, Status and Review Comments	Status Interval or Milestone to check	Date, Status and Review			
6.1 Legislation																					
a	20/3/2008	increase in legislative requirements		Increased project costs to deal with issue project programme delays		Live	Unlikely	Minor	Moderate			TNZKCCO									
6.2 Political																					
a	20/3/2008	national / local government push for "alternative" solution		increased project costs to deal with issue project programme delays		Live	Quite Common	Major	Very High			TNZKCCO									
6.3 Relationships																					
a	20/3/2008	relationship breakdown between project partners		Increased project costs to deal with issue project programme delays		Live	Unlikely	Major	Very High		Regular meetings and briefings to Council / Ontrack / GWRC	TNZKCCO									
6.4 Public Relations																					
a	20/3/2008	Adverse Media Reporting		Opposition to project and lack of political support		Live	Likely	Medium	Very High			TNZKCCO									
6.5 Finance																					
a	20/3/2008	Lack of Funds		Can not construct project		Live	Likely	Major	Extreme			TNZKCCO									
b	20/3/2008	Benefits fail to meet costs		Funding difficulties		Live	Quite Common	Major	Very High			TNZKCCO									
c	20/3/2008	Staging of projects funding		Partial project delivery		Live	Likely	Minor	Moderate		Build components with the greatest potential benefits first. Safeguard for future.	TNZKCCO									

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