Regional Council	PROBLEM/OPP	PORTUNITY DESCRIPTION					MPI fund
lorizons	the initial appl made the scale The Manawatu 2,200,000 ha in forms of erosic accelerated ero rates recorded In 2006 Landca defined as "hill directly into w the region. The the above def	ication in 2007 where issues see of the challenge remains the u-Wanganui Region has the la n hill-country. Much of this hil on. In total 450,000 ha of the r osion over the past 100 years. I in areas of highest storm inter are Research NZ Ltd. was com I country with a potential for aterways". This definition was e research was based on an an	such as scale, a same. rgest area of h l-country is un region has the The rate of erconsity, steepest missioned by l severe erosion used as hill co alysis of LUC 6 red that there	bility of the region to ill-country of any regi derlain by mud, silt or potential for severe er sion varies greatly with slopes and areas with IRC to examine Highly or hill country with a untry land of this type 7 and 8 erosion types are approximately 2	pay etc were were were were were were were wer	I (HEL) in the Region. For this research study HEL was moderate erosion but where erosion debris will enter gnificantly to the sediment in the major catchments of over 24 degree using satellite imagery, keeping in mind unprotected HEL in the region that requires priority	2015-2019 \$4,760,00
		vithin the Region Catchment	Catchment a (ha)	(ha)			
	Whanganui		712,185 196,561	95,000			
	Whangaehu Turakina		96,606	26,808			
	Rangitikei		397,931	34,633			
	Manawatu		596,861	39,356			
		Other Catchments			35,730		
	Total Region		220,746 2,220,890	273,527			
^r aranaki	period, which the hill country erosion potent planting to rec accelerated er	exacerbates the risk of acceler y is predominantly on slopes > tial. This land requires a range duce sediment generation. The osion in the hill country. Since	ated erosion - 20 degrees and e of soil conser ne Council's ma e Council's forr	particularly if soils are in pasture. There are vation measures inclu in Sustainable Land M nation, it has continue	already satura 83,474 hectare ding: retiremen lanagement Pr d with the far	ween 150 and 200 ml is typically received over a short ated. The land most at risk from accelerated erosion in es of land in the hill country with a moderate to severe nt of marginal land, soil conservation trees and block rogramme (SLMP) was introduced in 1996 to address rm planning approach which has resulted in 401 farm the hill country under its SLMP.	\$1,210,00
	Area	Area of hill country or catch		Total hectares of highly erodible land (NZEEM)			
	Hill country	411,115		83,474			
	Waitotara	119,570		13,911			
	Waitara	114,554		13,683			
	Patea	103,197		11,315			
		Iculated catchment areas using				1	

Wellington control work undertaken in 5 key catchments within the Wairarapa Hill country. Regional Goundi This round of funding is an opportunity to learn from the first five years of the WRECI programme, and to adjust the programme to achieve be outcomes, in particular a greater amount of on ground erosion control works than the first five years of WRECI. Seventy five percent of farmers is WRECI programme planted more poles per year during the WRECI programme than they had for the five years prior to joining. (for more detail Evaluation of WRECI programme cover some or all of all the major catchments in the Wairarapa hill country. Catchment name Catchment area (ha) Estimated high priority erodible land (ha) with no veg cover Ruamahanga 356,000 18,200 Pahaoa 65,000 7,500 Whareama 53,200 12,400 Awhea/Opouawe 25,800 4,400 Coastal 103,000 21,000 All Areas 630,000 63,500 Northland The Kaipara Harbour is experiencing a decline in ecosystem health caused in part by high sediment loads originating from its catchme within the Northland region. Previous experience highlights particular targets for addressing accelerated soil erosion in Kaipara includ ugulying in acid sulphate rocks, crushed muddy limestone and sandstone complexes, Waiotira soils and the slip planes in greywacke underlying Marua and Rangiora soils. The initial phase of this project will refine the hill country target areas and inititat field surveys collaboration in critica								
Wellington control work undertaken in 5 key catchments within the Wairarapa Hill country. This round of funding is an opportunity to learn from the first five years of the WRECI programme, and to adjust the programme to achieve be outcomes, in particular a greater amount of on ground erosion control works than the first five years of WRECI. Seventy five percent of farmers is WRECI programme planted more poles per year during the WRECI programme than they had for the five years prior to joining. (for more detail Evaluation of WRECI programme cover some or all of all the major catchments in the Wairarapa hill country. Catchment name Catchment area (ha) Estimated high priority erodible land (ha) with no veg cover Ruamahanga 356,000 18,200 Pahaoa 65,000 7,500 Whareama 53,200 12,400 Awhea/Opouawe 25,800 4,400 Castal 103,000 21,000 All Areas 630,000 63,500 Northland Within the Northland region. Previous experience highlights particular targets for addressing accelerated soil erosion in Kaipara indicators experience highlights particular targets for addressing accelerated soil erosion in Kaipara indicators experience highlights particular targets for addressing accelerated soil erosion in Kaipara indicators experience highlights particular targets for addressing accelerated soil erosion in Kaipara indicators experience highlights particular targets for addressing accelerated soil erosion in Kaipara indicatore soils and the slip planes in greywacke unde		these catchments has a farm plan on the Waitotara Catchment, 82%	in place. This will accelerate the targeted deliver of the most at risk land is now covered with a	ery of STRESS over the next 4 years. After 4 years of STRESS plan compared to 62% before STRESS. This highlights Counci	focusing			
Ruamahanga 356,000 18,200 Pahaoa 65,000 7,500 Whareama 53,200 12,400 Awhea/Opouawe 25,800 4,400 Coastal 103,000 21,000 All Areas 630,000 63,500 Northland The Kaipara Harbour is experiencing a decline in ecosystem health caused in part by high sediment loads originating from its catchmer within the Northland region. Previous experience highlights particular targets for addressing accelerated soil erosion in Kaipara incluiguilying in acid sulphate rocks, crushed muddy limestone and sandstone complexes, Waiotira soils and the slip planes in greywacke underlying Marua and Rangiora soils. The initial phase of this project will refine the hill country target areas and initiate field surveys collaboration in critical source areas. Catchment name Catchment area (ha) Estimated high priority erodible land (ha) with no veg cover Kaipara 474,293 82,491 Waikato The Waikato Regional Council (WRC) is seeking funding for the implementation of a comprehensive soil conservation and sustainable land management programme within the hill country of the Waikato Region. The programme will focus on the Waikato's western hill country which; • Contains the highest proportion of pastoral land at risk of erosion (based on NZEEM analysis) in the region and; • Where there are established relationships with landowners and support from the community to implement and maintain soil conservation initia	ellington	This round of funding is an opportunity to learn from the first five years of the WRECI programme, and to adjust the programme to achieve better outcomes, in particular a greater amount of on-ground erosion control works than the first five years of WRECI. Seventy five percent of farmers in the WRECI programme planted more poles per year during the WRECI programme than they had for the five years prior to joining. (for more detail see Evaluation of WRECI programme 2014)						
Pahaoa 65,000 7,500 Whareama 53,200 12,400 Awhea/Opouawe 25,800 4,400 Coastal 103,000 21,000 All Areas 630,000 63,500 Northland The Kaipara Harbour is experiencing a decline in ecosystem health caused in part by high sediment loads originating from its catchme within the Northland region. Previous experience highlights particular targets for addressing accelerated soil erosion in Kaipara inclu gullying in acid sulphate rocks, crushed muddy limestone and sandstone complexes, Waiotira soils and the slip planes in greywacke underlying Marua and Rangiora soils. The initial phase of this project will refine the hill country target areas and initiate field surveys collaboration in critical source areas. Catchment name Catchment area (ha) Estimated high priority erodible land (ha) with no veg cover Waikato The Waikato Regional Council (WRC) is seeking funding for the implementation of a comprehensive soil conservation and sustainable land management programme within the hill country of the Waikato Region. The programme will focus on the Waikato's western hill country which; • Contains the highest proportion of pastoral land at risk of erosion (based on NZEEM analysis) in the region and; • Where there are established relationships with landowners and support from the community to implement and maintain soil conservation initiatives. Overtime, it is anticipated that the programme will be expanded to support additional soil conservation programmes <th></th> <th>Catchment name</th> <th>Catchment area (ha)</th> <th></th> <th></th>		Catchment name	Catchment area (ha)					
Pahaoa 65,000 7,500 Whareama 53,200 12,400 Awhea/Opouawe 25,800 4,400 Coastal 103,000 21,000 All Areas 630,000 63,500 Northland The Kaipara Harbour is experiencing a decline in ecosystem health caused in part by high sediment loads originating from its catchme within the Northland region. Previous experience highlights particular targets for addressing accelerated soil erosion in Kaipara inclu gullying in acid sulphate rocks, crushed muddy limestone and sandstone complexes, Waiotira soils and the slip planes in greywacke underlying Marua and Rangiora soils. The initial phase of this project will refine the hill country target areas and initiate field surveys collaboration in critical source areas. Catchment name Catchment area (ha) Estimated high priority erodible land (ha) with no veg cover Waikato The Waikato Regional Council (WRC) is seeking funding for the implementation of a comprehansive soil conservation and sustainable land management programme within the hill country of the Waikato Region. The programme will focus on the Waikato's western hill country which; • Contains the highest proportion of pastoral land at risk of erosion (based on NZEEM analysis) in the region and; • Where there are established relationships with landowners and support from the community to implement and maintain soil conservation initiatives. Overtime, it is anticipated that the programme will be expanded to support additional soil conservation programmes <td></td> <td>Ruamahanga</td> <td>356,000</td> <td>18,200</td> <td></td>		Ruamahanga	356,000	18,200				
Whareama 53,200 12,400 Awhea/Opouawe 25,800 4,400 Coastal 103,000 21,000 All Areas 630,000 63,500 Northland The Kaipara Harbour is experiencing a decline in ecosystem health caused in part by high sediment loads originating from its catchme within the Northland region. Previous experience highlights particular targets for addressing accelerated soil erosion in Kaipara incluin gullying in acid sulphate rocks, crushed muddy limestone and sandstone complexes, Waiotira soils and the slip planes in greywacke underlying Marua and Rangiora soils. The initial phase of this project will refine the hill country target areas and initiate field surveys collaboration in critical source areas. Catchment name Catchment area (ha) Estimated high priority erodible land (ha) with no veg cover Kaipara 474,293 82,491 Waikato The Waikato Regional Council (WRC) is seeking funding for the implementation of a comprehensive soil conservation and sustainable land management programme within the hill country of the Waikato Region. The programme will focus on the Waikato's western hill country which; • Contains the highest proportion of pastoral land at risk of erosion (based on NZEEM analysis) in the region and; • Where there are established relationships with landowners and support from the community to implement and maintain soil conservation initiatives. Overtime, it is anticipated that the programme will be expanded to support additional soil conservation programmes								
Coastal 103,000 21,000 All Areas 630,000 63,500 Northland The Kaipara Harbour is experiencing a decline in ecosystem health caused in part by high sediment loads originating from its catchme within the Northland region. Previous experience highlights particular targets for addressing accelerated soil erosion in Kaipara inclui gullying in acid sulphate rocks, crushed muddy limestone and sandstone complexes, Waiotira soils and the slip planes in greywacke underlying Marua and Rangiora soils. The initial phase of this project will refine the hill country target areas and initiate field surveys collaboration in critical source areas. Catchment name Catchment area (ha) Estimated high priority erodible land (ha) with no veg cover Kaipara 474,293 82,491 Vaikato The Waikato Regional Council (WRC) is seeking funding for the implementation of a comprehensive soil conservation and sustainable land management programme within the hill country of the Waikato Region. The programme will focus on the Waikato's western hill country which; • Contains the highest proportion of pastoral land at risk of erosion (based on NZEEM analysis) in the region and; • Where there are established relationships with landowners and support from the community to implement and maintain soil conservation initiatives. Overtime, it is anticipated that the programme will be expanded to support additional soil conservation programmes		Whareama						
All Areas 630,000 63,500 Northland The Kaipara Harbour is experiencing a decline in ecosystem health caused in part by high sediment loads originating from its catchmed within the Northland region. Previous experience highlights particular targets for addressing accelerated soil erosion in Kaipara incluin gullying in acid sulphate rocks, crushed muddy limestone and sandstone complexes, Waiotira soils and the slip planes in greywacke underlying Marua and Rangiora soils. The initial phase of this project will refine the hill country target areas and initiate field surveys collaboration in critical source areas. Catchment name Catchment area (ha) Estimated high priority erodible land (ha) with no veg cover Kaipara 474,293 82,491 Vaikato The Waikato Regional Council (WRC) is seeking funding for the implementation of a comprehensive soil conservation and sustainable land management programme within the hill country of the Waikato Region. The programme will focus on the Waikato's western hill country which; • Contains the highest proportion of pastoral land at risk of erosion (based on NZEEM analysis) in the region and; • Where there are established relationships with landowners and support from the community to implement and maintain soil conservation initiatives. Overtime, it is anticipated that the programme will be expanded to support additional soil conservation programmes		Awhea/Opouawe						
Northland The Kaipara Harbour is experiencing a decline in ecosystem health caused in part by high sediment loads originating from its catchme within the Northland region. Previous experience highlights particular targets for addressing accelerated soil erosion in Kaipara incluigullying in acid sulphate rocks, crushed muddy limestone and sandstone complexes, Waiotira soils and the slip planes in greywacke underlying Marua and Rangiora soils. The initial phase of this project will refine the hill country target areas and initiate field surveys collaboration in critical source areas. Catchment name Catchment area (ha) Estimated high priority erodible land (ha) with no veg cover Naikato The Waikato Regional Council (WRC) is seeking funding for the implementation of a comprehensive soil conservation and sustainable land management programme within the hill country of the Waikato Region. The programme will focus on the Waikato's western hill country which; • Contains the highest proportion of pastoral land at risk of erosion (based on NZEEM analysis) in the region and; • Where there are established relationships with landowners and support from the community to implement and maintain soil conservation initiatives. Overtime, it is anticipated that the programme will be expanded to support additional soil conservation programmes		Coastal	103,000	21,000				
within the Northland region. Previous experience highlights particular targets for addressing accelerated soil erosion in Kaipara incluigullying in acid sulphate rocks, crushed muddy limestone and sandstone complexes, Waiotira soils and the slip planes in greywacke underlying Marua and Rangiora soils. The initial phase of this project will refine the hill country target areas and initiate field surveys collaboration in critical source areas. Catchment name Catchment area (ha) Estimated high priority erodible land (ha) with no veg cover Kaipara 474,293 82,491 Naikato The Waikato Regional Council (WRC) is seeking funding for the implementation of a comprehensive soil conservation and sustainable land management programme within the hill country of the Waikato Region. The programme will focus on the Waikato's western hill country which; • Contains the highest proportion of pastoral land at risk of erosion (based on NZEEM analysis) in the region and; • Where there are established relationships with landowners and support from the community to implement and maintain soil conservation initiatives. Overtime, it is anticipated that the programme will be expanded to support additional soil conservation programmes		All Areas	630,000	63,500				
Kaipara 474,293 82,491 Waikato The Waikato Regional Council (WRC) is seeking funding for the implementation of a comprehensive soil conservation and sustainable land management programme within the hill country of the Waikato Region. The programme will focus on the Waikato's western hill country which; • Contains the highest proportion of pastoral land at risk of erosion (based on NZEEM analysis) in the region and; • Where there are established relationships with landowners and support from the community to implement and maintain soil conservation initiatives. Overtime, it is anticipated that the programme will be expanded to support additional soil conservation programmes		within the Northland region. Previous experience highlights particular targets for addressing accelerated soil erosion in Kaipara including gullying in acid sulphate rocks, crushed muddy limestone and sandstone complexes, Waiotira soils and the slip planes in greywacke underlying Marua and Rangiora soils. The initial phase of this project will refine the hill country target areas and initiate field surveys and collaboration in critical source areas.						
 Waikato Waikato Regional Council (WRC) is seeking funding for the implementation of a comprehensive soil conservation and sustainable land management programme within the hill country of the Waikato Region. The programme will focus on the Waikato's western hill country which; Contains the highest proportion of pastoral land at risk of erosion (based on NZEEM analysis) in the region and; Where there are established relationships with landowners and support from the community to implement and maintain soil conservation initiatives. Overtime, it is anticipated that the programme will be expanded to support additional soil conservation programmes 								
 management programme within the hill country of the Waikato Region. The programme will focus on the Waikato's western hill country which; Contains the highest proportion of pastoral land at risk of erosion (based on NZEEM analysis) in the region and; Where there are established relationships with landowners and support from the community to implement and maintain soil conservation initiatives. Overtime, it is anticipated that the programme will be expanded to support additional soil conservation programmes 		Каірага	474,293	82,491				
in the region such as in priority catchments in the Lower Waikato. Catchment Name Area of hill country or catchment (ha) Total highly	aikato	 management programme within the Contains the highest proportion of and; Where there are established related and maintain soil conservation inition of the conservation of the region such as in priority cated that the priority cated that the second s	ne hill country of the Waikato Region. The progr of pastoral land at risk of erosion (based on NZE tionships with landowners and support from the iatives. programme will be expanded to support additi chments in the Lower Waikato.	ramme will focus on the Waikato's western hill country which EEM analysis) in the region ne community to implement onal soil conservation programmes	h;			

			eroc	lible					
			land	(ha)					
	Awakino	38,301	3658	3					
	Lower Mokau	40,202	5817	7					
	Mangaotaki	22,327	2751	L					
	Mokauiti	19,422	1926	5					
	Tasman catchments	27,438	1486	5					
	Upper Mokau	62,460	5565	5					
	Total	246,544	23,8	32					
	The Whengowshi Catebra	ant Managament Crown bagan in 201	11 and was initiated during th	o concultation		ding up to	the const	ruction of	
Hawke's Bay	waste water treatment pla Green Ribbon Award, Trus to progress on-ground wa quality) and thereby provi	ent Management Group began in 201 ant in the catchment. As a catchment stpower Community Connect award, a orks that relate to the loss of soil fr ding a more holistic approach to add	group they are significant in and a Pride of NZ Award in the om hill country, while invest ressing the catchment challen	their level of co e lower catchm ing non-HCE f	ommitment ent. The fu	and have nding enat	been recc les HBRC	ognised by to continu	a e
Hawke's Bay	waste water treatment pla Green Ribbon Award, Trus to progress on-ground wa quality) and thereby provi	ant in the catchment. As a catchment stpower Community Connect award, a prks that relate to the loss of soil fr	group they are significant in and a Pride of NZ Award in the om hill country, while invest ressing the catchment challen	their level of co e lower catchm ing non-HCE f	ommitment ent. The fu	and have nding enat	been recc les HBRC	ognised by to continu	a e
Hawke's Bay	waste water treatment pla Green Ribbon Award, Trus to progress on-ground wa quality) and thereby provi Erosion risk in the HCE Pro	ant in the catchment. As a catchment stpower Community Connect award, a orks that relate to the loss of soil fr ding a more holistic approach to addr	group they are significant in and a Pride of NZ Award in the om hill country, while invest ressing the catchment challen	their level of co e lower catchm ing non-HCE f	ommitment ent. The fu	and have nding enat	been recc les HBRC	ognised by to continu	a e
Hawke's Bay	waste water treatment pla Green Ribbon Award, Trus to progress on-ground wa quality) and thereby provi Erosion risk in the HCE Pro	ant in the catchment. As a catchment stpower Community Connect award, a orks that relate to the loss of soil fr ding a more holistic approach to addr oject Whakaki and Whangawehi Cato (ha)	group they are significant in and a Pride of NZ Award in the om hill country, while invest ressing the catchment challen	their level of co e lower catchm ing non-HCE f	ommitment ent. The fu	and have nding enat	been recc les HBRC	ognised by to continu	a e