Impacts and Mitigation Strategies:

The table below identifies and summarises potential issues, their area of potential impact and benefit and proposed mitigation strategies (both existing and planned). A risk assessment has been conducted using a standard Risk Assessment Matrix (example at the end of the table) which assists in understanding the likelihood and consequences of impacts.

Issue: Accommodation availability and affordability.

Continued resource industry growth within Moranbah may exacerbate tightened demand for accommodation and decrease housing affordability, particularly for non-mine workers.

Area(s) of	Moranbah Town	Moranbah Region	IRC Area	Mackay Region	Queensland	Australia
potential impact or benefit.	✓	~	✓	~		

BMA Existing and planned strategies:

- BMA is committed to providing suitable accommodation for its workforces.
- BMA intends to offer the Caval Ridge Project workforce the opportunity to work under FIFO arrangements which is expected to reduce the demand drivers on accommodation and affordability within the Moranbah community.
- BMA continues to engage with the Isaac Regional Council on all matters involving the community, including accommodation needs.
- While BMA does not play a direct role in providing affordable housing in the community, its commitment to providing housing for its own business needs reduces demand drivers on housing, therefore decreasing demand and increasing affordability.
- BMA has ensured it has sufficient land available in Moranbah to meet its accommodation needs for identified growth projects. This land is developed on an ongoing basis, with a strong focus on providing diversified housing options across the BMA accommodation portfolio.
- As BMA's current housing portfolio is weighted heavily towards large detached accommodation, its new housing developments will have a stronger focus
 on semi-detached and medium density accommodation. BMA plays an important advocacy role with Local and State Government and industry, in helping
 to attract funds and additional resources for affordable and emergency housing to the region through the \$100M SRC fund. BMA's advocacy efforts are
 focused on attracting funds and resources for:
 - o Emergency housing
 - $\circ \quad \text{Improved Government employee accommodation} \\$
 - o Emergency services accommodation
- BMA has, and will continue to engage in commercially realistic agreements, to assist investors in developing rental accommodation.
- BMA provides share accommodation for trainees and graduates to enable them to live within the community.
- BMA, through contributions to Local Government in both special rates and payment of headwork charges, helps to relieve pressure on Local Government budgets, therefore freeing up funds to invest in affordable housing.

- BMA distributes regular housing updates to residents in Moranbah and Dysart to keep the community up-to-date on the company's efforts in reducing the strain on the housing and accommodation markets.
- BMA's Planning and Development Manager attends the bi-monthly Isaac Regional Council meetings to enable two-way and timely conversations around housing projects and future needs.

Consequences:	Ongoing/Manage able	Probability	Moderate, may occur	Comment	High impact	
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Issue: Existing	and potential im	pacts on tempora	ry and tourist a	ccommodation			
There is existing stu as a result of the pu	• •	nd for short term, touris	t accommodation a	as a result of cumulative	demand from	local industry	which may be increased
Area(s) of	Moranbah Town	Moranbah Region	IRC Area	Mackay Region	Queensla	and	Australia
potential impact or benefit.	✓	~	✓	✓			
BMA Existing and	planned strategies:	·	·		·		
• BMA has contr requirements.	acts with a number o	f third party providers to	o ensure the availa	bility of village accommo	dation to mee	t its short-ter	m contractor
• Where it is ide	ntified that this supply	y is not sufficient, BMA	will provide additio	nal village accommodati	on.		
BMA's Eureka	Accommodation Villa	ge located at Goonyella	Riverside Mine is a	n example of how BMA h	nas proactively	established	contractor
accommodatio	n in order to ease pre	essure on already stretcl	ned accommodatio	n providers.			
Consequences:	Minor	Probab	oility Moderat	te, may occur	Comment	Low impac	t

Issue: Unplanned or sudden mine Closure								
The development of	of a mine closure plan	at the stage of full oper	ation would be adv	isable to best understand	l the Project's operat	ing environment and allow		
strategies to be de	veloped for its eventu	al closure.						
Area(s) of	Moranbah Town	Moranbah Region	IRC Area	Mackay Region	Queensland	Australia		
potential impact								
or benefit.	v	v	v	v	v			
BMA existing and	planned Strategies:							
BHP Billiton (B)	HPB) Community Stan	dard STA 024 requires t	hat input from com	munity stakeholders is in	corporated into Life (of Asset planning and that a		

 Community Relations Plan is developed and implemented and reviewed annually with stakeholders to ensure that positive impacts are enhanced and negative impacts are mitigated.

 Consequences:
 High Impact
 Probability
 Rare
 Comment
 Low impact

Issue: Social and Economic reliance on resource operations

The community and local business may become reliant on the mining industry and may experience negative impacts should growth in the region not continue								
Area(s) of	Moranbah Town	Moranbah Region	IRC Area	Mackay Region	Queensland	Australia		
potential impact or benefit.	\checkmark	✓	\checkmark	\checkmark				

BMA existing and planned Strategies:

- BMA encourages activities and investment in the local and regional community that create economic diversity and encourages viability and stability that is not solely dependent on the mining industry.
- BMA supports local businesses and the Regional Council to identify and progress strategies to build diversified economies across the Mackay and Bowen Basin Regions. BMA has representation on the board of the Mackay Whitsunday's Regional Economic Development Corporation and targets community investment programs to support business development.
- BMA contributes to a three-year Community Development Officer at the Isaac Regional Council through the Community Partnerships Program. This partnership is currently in its second year of operation.
- BMA has recently provided the Blackwater International Coal Centre with funds to engage a Business Development Manager to ensure it remains sustainable beyond BMA's contribution.
- In FY09 BMA provided funds to childcare centres across Moranbah and Dysart to undertake a business diagnostics service to assist in building capacity and business acumen.
- BMA's local community donations, sponsorships and partnerships program (guidelines is attached) provides a framework around BMA contributions. Underpinning this program are guidelines to ensure that initiatives and organisations that BMA supports do not become reliant on BMA funding and can ultimately sustain themselves.
- BMA supports the Mackay Whitsundays Regional Economic Development Corporation (MWREDC) and the Isaac Shire Council to investigate and pursue industry development and diversification opportunities for the northern Bowen Basin and Mackay.
- BMA supports all levels of Government in addressing the impacts of industry fluctuations. In times of downturn BMA ensures, as much as possible, that workers are recruited locally.
- In times of downturn, BMA works proactively with the Queensland Resources Council, State and Local Governments to identify social and economic community infrastructure projects that can be brought forward to help absorb workers retrenched from regional mines. This in turn minimises the impact on the community and ensures that workers are readily available in the region to enable BMA to quickly respond to a market upswing, minimising the lag

between improve	d market demand and sup	oply.			
Consequences:	Ongoing/Manageable	Probability	Unlikely	Comment	Low impact

Issue: Impacts	to affected and adja	cent property o	wners				
Construction and o	peration of the project ma	y impact property o	wners.				
Area(s) of	Moranbah Town	Moranbah Region	IRC Area	Mackay Re	egion Que	ensland	Australia
potential impact							
or benefit.	v	v					
BMA Existing and I	planned strategies:						
BMA monitors	impacts on affected and a	djacent property ow	ners and their env	vironment and favo	urs regular dialog	gue and consu	ultation to identify and
manage any ad	lverse impacts.						
Consequences:	Ongoing/Manageable	Probability	Moderate	Comment	Moderate imp	act	

Issue: Workforce diversity									
Opportunities to provide employment to indigenous community and increase cultural diversity within the workforce.									
Area(s) of	Moranbah Town	Moranbah Region	IRC Area	Mackay Region	Queensland	Australia			
potential impact		.(.(
or benefit.	v v	v	v	×	× v				
DAAA Evisting and									

BMA Existing and planned strategies:

- BMA is actively pursuing workplace strategies to increase cultural diversity and will shortly release a Workforce Diversity Strategy. To complement this, the organisation is developing a Settlement and Migration Program due to be rolled out in FY11 to ensure workers from a range of cultures and nationalities are fully supported and integrated into Bowen Basin communities.
- BMA is developing a formalised engagement strategy focused on training, education and business development opportunities for Indigenous people.
- Further to this, BMA sites already have Indigenous employment strategies in place.
- During the pre-feasibility and planning stages of new projects BMA engages Indigenous contractors to undertake cultural heritage surveys, and as mentioned earlier, there is a strategy under development to engage more indigenous specialists either as employees or contractors.
- There have been a range of recent initiatives carried out to continue to build the strong working relationship between the Bowen Basin traditional owners and BMA:
- The Goonyella Riverside Mine invested more than \$400,000 in the development of cultural heritage garden to help create awareness around the lifestyle and culture of traditional owners.
- South Walker Creek Mine invested more than \$138,000 in the Bidgerley Learning Centre as part of the cultural heritage management agreement between

BMA and the Bara	da Barna Kabalbara and N	/etimarla (BBKY) p	people.		
Consequences:	Ongoing/Manageable	Probability	Moderate	Comment	Moderate impact

Issue: Financial Security								
The Project will pro	vide above average inc	comes for its workfor	ce. There are opportun	ities to encour	age positive financial manage	ement practices and ensure		
economic sustainat	oility during non-peak r	nining conditions.						
Area(s) of	Moranbah Town	Moranbah Region	IRC Area	Mackay Re	gion Queensland	Australia		
potential impact		.(
or benefit.	v	v						
BMA Existing and p	lanned strategies:							
• Through its Cor	nmunity Partnerships I	Program, BMA funds	the Salvation Army Mo	ney Care prog	ram to support the provision of	of financial advice and		
support service	s across Bowen Basin o	communities.						
BMA has partne	ered with a local financ	cial services company	to encourage good fin	ancial manage	ment practices by promoting	saving strategies, including a		
structured savi	ngs program for apprei	ntices at various min	e sites.	_				
Consequences:	Minor concerns	Probability	Moderate	Comment	Low impact			

Issue: Impacts	s and opportunitie	s for Education				
	•	hich supports tertiary ed os and encourages skills g	• •		service providers as	well as increasing
Area(s) of	Moranbah Town	Moranbah Region	IRC Area	Mackay Region	Queensland	Australia
potential impact or benefit.	✓	✓	✓	~		

• Across the Bowen Basin, BMA has implemented strategies to support and develop relationships with local tertiary providers. This includes engineering partnerships with Central Queensland University and the University of Queensland, and support for Vocational Education Providers.

- BMA invests around \$925,000 per annum in its Skills for Growth Strategy which supports apprenticeships and scholarships for primary and secondary school students, as well as work experience opportunities.
- BMA invested \$90,000 in establishing the Mining Industry Skills Centre, which is linked to the Moranbah State High School.
- BMA sponsors the Queensland Minerals and Energy Academy (QMEA), which enables Bowen Basin students to access a broad range of minerals and energy-related learning and career opportunities in the skilled-operator, trades and professional areas.
- Other Skills for Growth initiatives for students include a Cadetship Program and an Engineering Extension Program.

- In addition, some BMA Sites actively engage with local schools and have implemented initiatives like 'Adopt a Teacher', to provide students and teachers ٠ with practical, real world projects, and mentoring support.
- Individual BMA Sites also support tertiary scholarships for local school leavers and partner with Bowen Basin schools on a range of other projects including • recycling, greenhouse and leadership programs.
- BMA Sites support and partner with local training providers like the MRAEL to source traineeships and apprentices. ٠

Consequences:	Ongoing/Manageable	Probability	Likely	Comment	High Impact
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Issue: Increased opportunities for female employment										
Planned growth of mining in the community provides opportunities for women to enter training opportunities including non traditional roles.										
Level of Impact	High	Type of imp	f impact: Neutral if planned Comment:							
Area(s) of Moranbah Town Moranbah Region IRC Area Mackay Region Queensland Australia										
potential impact		/		1		1			1	
or benefit.	•			•	•		•		•	
BMA Existing and planned strategies:										
• The QMEA and	BMA Sites p	oursue various	initiativ	es for wome	n, includi	ing a worksho	p for female s	chool stud	lents on Internation	al Women's Day.
• BMA is also an a	active meml	ber of the Wor	nen in I	Mining and R	esources	Queensland.				
• In 2008 BMA hosted two leadership development workshops for female employees, helping to retain and develop women in its workforce.										
• To support the attraction and retention of women in the BHPB/BMA workforce BHPB have recently increased paid maternity to 18 weeks.										
BMA will shortly	y also releas	e a Workforce	Divers	ity Strategy.						
Consequences:	Ongoing	g/Manageable	Prob	ability	Likely		Comment	High Imp	oact	

Issue: Cumulat	tive impact of incr	eased demand on h	ealth services			
As operations cont	inue to grow there may	/ be continued demand o	n local and regional	health services.		
Area(s) of	Moranbah Town	Moranbah Region	IRC Area	Mackay Region	Queensland	Australia
potential impact						
or benefit.	v	•	v	v		
BMA Existing and r	lanned strategies.		•	·	•	•

d blanned strategi

• Acknowledging that the provision of health services is predominately a Government responsibility, BMA financially supports the provision of local doctor and dentist services across the Bowen Basin in communities of need (Dysart and Blackwater).

BMA also plays a strong advocacy role in helping the community obtain vital Government services. ٠

•	BMA	is currently	advocating	the need	for:
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- o an upgraded emergency care centre at the Moranbah Hospital
- \circ the development of a community services hub in Moranbah, and
- o the redevelopment of the Moranbah hospital (in years five) to cater to the forecast demand of growth.
- BMA Sites are proactive in investing in local health initiatives as part of the \$4.7M invested locally by Sites in 2008. Local health investments include:
- More than \$40,000 raised for the National Breast Cancer Foundation through Saraji Mine's Festival 73 activities
- \$70,000 invested in a fatigue management community seminar
- More than \$500,000 invested in the Body Mind and Attitude BMA Festival a bi-annual community event to promote health and wellbeing
- Many BMA employees raise funds for local, state or national health services and BMA matches those funds contributed through the matched giving program.
- BMA targets its support for community health initiatives based on workforce and community priorities. For example, feedback from the workforce (which is predominantly male) was for BMA to further develop support for Prostate Cancer research, awareness and education. BMA has recently entered into a three year \$100,000 partnership with the Mater Medical Foundation to assist in developing a vaccine for prostate council which is currently in clinical trial state.
- All BMA operations will shortly have site based Occupational Therapists who provide assistance for BMA's workforce for work and non-work related injuries as well as providing ergonomic assessments and development of health programs at each site. This in turn reduces the excess demand on local services.

Consequences: Ongoing/Manageable Probability Likely Comment High Impact		Consequences:	Ongoing/Manageable	Probability	Likely	Comment	High Impact
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Issue: Cumulative impact of increased demand on emergency services										
Cumulative impacts of increased demand on emergency services.										
Area(s) of	Moranbah Town	Moranbah Region	IRC Area	Mackay R	egion	Queensland	Australia			
potential impact or benefit.	or benefit.									
BMA Existing and planned strategies:										
BMA will contin	nue to engage closely wit	h emergency services.								
BMA plays an a	advocacy role to encoura	ge Government to pro	vide much needed er	nergency servic	es. Current	services being purs	sued through the \$100M			
Sustainable Re	source Communities Fun	d include:								
 upgraded housing for emergency services workers, and 										
o new M	loranbah and Nebo Emer	gency Services Centres	S.							
Consequences:	Ongoing/Manageab	le Probability	Moderate	Comment	Moderat	e impact				

ssue: Impacts	to residential amo	enity				
ncrease in the cun	nulative impacts on resi	idential amenity such as o	dust, noise and vib	ration		
Area(s) of	Moranbah Town	Moranbah Region	IRC Area	Mackay Region	Queensland	Australia
ootential impact or benefit.	✓	✓				

- As part of the construction and site environmental management plans there will be procedures in place to register and where appropriate to respond to complaints of potential environmental impacts resulting from the Caval Ridge Project. As part of the sites ISO 14001 EMS mitigation measures to address complaints will be implemented and revised as required. this system will include objectives, targets and performance criteria to manage significant environmental impacts within BMA's control.
- Community consultation activities recognised a need for information and education around mining and associated impacts on dust, noise and vibration, and as such, BMA has produced and distributed a range of environmental fact sheets focused on:
 - $\circ \quad \text{Dust-health impacts and monitoring}$
 - Noise monitoring
 - Vibration monitoring

• As part of environmental baseline studies for new mine projects, BMA monitors for dust, noise and vibration.

• BMA is committed to ongoing monitoring and management of these environmental impacts.

• BMA works closely with impacted stakeholders to agree appropriate mitigation measures.

Consequ	iences:	Ongoing/Manageable	Probability	Moderate	Comment	Moderate impact
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		_		-	increase in males wit	hin the region which may			
-		an increase in the numb							
Area(s) of	Moranbah Town	Moranbah Region	IRC Area	Mackay Region	Queensland	Australia			
potential impact v v v									
	lonned strategies.								
	planned strategies:	·· -· ·	c · · · · · · · ·						
					-	A has engaged a dedicated			
				bility options to increase	BMA's representation	n of women and other			
underrepresen	ited groups such as ind	igenous and disabled w	vorkers.						
BMA will conti	nue to monitor immed	iate population impacts	s, and cumulative ir	npacts, resulting from ex	pansion and growth p	projects, through the annua			
Community Re	lations Planning proces	ss and ongoing growth	planning.						
Effective work	force planning aligned	to staged or tiered grow	wth projects, enable	es non-resident workers t	to transition from one	e project to another. This			
ensures, as mu	ich as is practical, that	workplace and commun	nity impacts from t	he non-resident workford	e are minimised.				
A key category	of the BMA Communi	ty Partnerships Program	n is youth and recre	eation. As such, BMA curr	ently funds three you	th workers across the			
			•	erships Program. To ensi					
	•	-	•	ernment's Department o		,			
				for our communities to s		anhah this includes the			
		•		nity Partnerships Program					
	-		-	strong advocacy role on t		asin Mayors Group to			
			\$100M committee	Sustainable Resource Co	minumities Fund to co				
	coal royalties from the	•							
		www.coon.commonco.th	e develonment of a	childcare needs analysis	to identify priority ch	ildcare needs for our Bowe			
 From a cumula 				-					
 From a cumula Basin commun 	ities, particularly for th		ty over the next five	-		Department of Education,			

0	Hard infrastructure – upgrades and new	 facilities for kindergartens, 	, before and after schoo	I care and childcare;
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- Education, training and skills development for childcare employees, particularly to acquire Group Leader level qualifications where there is the greatest shortage;
- Affordable accommodation; and
- Business skills diagnostics for the not-for-profit sector to assist in building capacity and business acumen.
- The childcare needs analysis will help to inform priority areas for utilisation of the \$2 million allocated for childcare infrastructure upgrades in Moranbah from the \$27 million brought forward from the Sustainable Resource Communities Fund.
- BMA has identified issues with Autism related services and intends to raise the issues with other industries and the Sustainable Resource Communities Leadership Group. In addition to Autism related services BMA financially supports a number of specialist services in Moranbah.

Consequences:	Minor	Probability	Moderate	Comment	Low impact

There are few spec	cific indigen	ous services	within N	Ioranbah.					
Level of Impact	Low	Type of in	npact:	Negative		Comment:			
Area(s) of	Moranb	ah Town	Morar	bah Region	IF	RC Area	Mackay Region	Queensland	Australia
potential impact or benefit.	~			✓		~	✓		
BMA Existing and	planned str	rategies:							
BMA's Indigen	ous relatior	ns program, w	hich en	compasses Nativ	ve Title	e and cultural h	eritage, is managed at a	a local level by mine site	Environmental
Departments.									
• DNAA is slaves is	aina a farma	- I' I						nent opportunities for Ir	

BMA also has representation of the Queensland Resource Council's Indigenous Steering Group, to better advocate for the needs of Indigenous communities across the Bowen Basin.

Consequences:	Minor	Probability	Moderate	Comment	Low impact

There are few spec	ific indigend	ous services wi	thin Mo	ranbah.						
Level of Impact	High	Type of im	pact:	Neutral if p	lanned	Comment:				
Area(s) of	Moranbah Town		Moranbah Region		IRC Ar	ea	Mackay Region	egion	Queensland	Australia
potential impact										
or benefit.										
BMA intends t	o offer the C	Caval Ridge Pro	ject wo	rkforce the o	pportunit	ty to work und	er FIFO arran	gements.	y and refine areas of	
BMA intends t	o offer the C ping a Work	Caval Ridge Pro force and Com	ject wo munity	rkforce the o Cohesion Pro	pportunit	ty to work und	er FIFO arran	gements.	y and refine areas of ts to ensure cohesio	
BMA intends tBMA is develo	o offer the C ping a Work nd resident	Caval Ridge Pro force and Com and non-reside	ject wo munity ent wor	rkforce the o Cohesion Pro kers.	pportunit ogram to	ty to work und	er FIFO arran	gements.	-	
 BMA intends t BMA is develo communities a The Program v 	o offer the C bing a Work nd resident vill include n	Caval Ridge Pro force and Com and non-reside non-resident pa	ject wor munity ent wor irtner su	rkforce the o Cohesion Pro kers. upport progra	pportunit ogram to ams.	ty to work und address social	er FIFO arran and commur	gements. hity impac	-	n between BMA
 BMA intends t BMA is develo communities a The Program v BMA sites spot 	o offer the C bing a Work nd resident vill include n hsor a numb	Caval Ridge Pro force and Com and non-reside non-resident pa per of commun	ject wor munity ent wor irtner su	rkforce the o Cohesion Pro kers. upport progra social groups	pportunit ogram to ams. and festi	ty to work und address social ivals designed	er FIFO arran and commur to foster stro	gements. hity impac	ts to ensure cohesio	n between BMA nd participation
 BMA intends t BMA is develo communities a The Program v BMA sites spot 	o offer the C bing a Work nd resident vill include n nsor a numb nenced the	Caval Ridge Pro force and Com and non-resident non-resident pa per of commun development c	ject wor munity ent wor rtner su ity and s	rkforce the o Cohesion Pro kers. upport progra social groups tegy (incorpo	pportunit ogram to ams. and festi orating ca	ty to work und address social ivals designed mp sponsorshi	er FIFO arran and commur to foster stro p of local eve	gements. hity impac	ts to ensure cohesio munity integration a	n between BMA nd participation

Issue: Workforce Wellbeing

Shift work, and in particular FIFO structured employment may impact on workforce relationships which may place demand on community support services in both local and regional areas.

Area(s) of	Moranbah Town	Moranbah Region	IRC Area	Mackay Region	Queensland	Australia
potential impact or benefit.	1	~	✓	~	~	

BMA existing and planned Strategies:

- BMA intends to offer the Caval Ridge Project workforce the opportunity to work under FIFO arrangements.
- BMA is developing a Workforce and Community Cohesion Program to address social and community impacts to ensure cohesion between BMA communities and resident and non-resident workers.
- The Program will include non-resident partner support programs.

•	A Lifestyle Representative is being introduced into some BMA Accommodation Villages to not only schedule and host a range of healthy lifestyle activities						
	in the Accommoda	ation Village, but also to	help the Village re	esidents better integrate	e with the local	communities, encourage local purchasing and	
	investment, and to	o keep across potential c	ommunity and/or	· Village issues and work	place stress.		
•	BMA also engages with and supports local crisis management services, such as emergency accommodation, drug and alcohol support groups, and						
	domestic violence support groups.						
•	BHP Billiton's Employee Assistance Programs (EAP) offer staff assistance with personal and work-related problems that can arise from time to time.						
	Employees have direct access to professional and independent counselling, through a service that is free, voluntary and confidential. Counselling provides						
	objective, skilled assistance with problem solving. Access to these services reduces excess demand on local counseling services						
Сог	nsequences:	Minor Concerns	Probability	Moderate	Comment	Low Impact	

Example Impact Assessment Matrix:

Likely Consequence
1 – Severe impact – Issues outside the control of
mitigation strategies
2 – High impact – High concerns – not able to be managed
by mitigation strategies
3 – Ongoing but manageable concerns for community but
managed by mitigation
4 – Minor concerns - effectively managed by consultation
and mitigation
5 – No concerns – Positive

Probability
A – Almost certain to occur
B – Likely to occur
C – Moderate – possible it may happen
D – Unlikely to occur
E – Rare – very unlikely to occur.

	Α	в	С	D	E
1	1	2	4	7	11
2	3	5	8	12	16
3	6	9	13	17	20
4	10	14	18	21	23
5	15	19	22	24	25

1-3	CRITICAL IMPACT
4-10	HIGH IMPACT
11-15	MODERATE IMPACT
16-25	LOW IMPACT