



# STATE OF CONSERVATION REPORT

## *Blue and John Crow Mountains*

(2015, Ref. 1356rev)

JAMAICA

FOLLOW-UP 41COM 7B.35



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## **State of Conservation Report**

*Blue and John Crow Mountains - JAMAICA*

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**Government of Jamaica**

**REPORT TO THE 43RD SESSION OF THE  
WORLD HERITAGE COMMITTEE**

**On the State of Conservation of the**

**BLUE AND JOHN  
CROW MOUNTAINS**

DECEMBER 2018

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## List of Acronyms

ACIJ/JMB	African Caribbean Institute of Jamaica/Jamaica Memory Bank
BJCM	Blue and John Crow Mountains
BJCMNP	Blue and John Crow Mountains National Park
FD	Forestry Department
FCF	Forest Conservation Fund
GOJ	Government of Jamaica
GOJ/GEF/IDB	Government of Jamaica/Global Environment Facility/ International Development Bank
IOJ	Institute of Jamaica
JCDT	Jamaica Conservation and Development Trust
JNHT	Jamaica National Heritage Trust
JSIF	Jamaica Social Investment Fund
NEPA	National Environment and Planning Agency
NRCA	National Resources Conservation Authority
NHMJ	Natural History Museum of Jamaica
MCGES	Ministry of Culture, Gender, Entertainment and Sport
TEF	Tourism Enhancement Fund
TPDCo	Tourism Product Development Company
GIZ/CATZ	German International Cooperation/Caribbean Aqua Terrestrial Solutions

## Executive Summary

The Blue and John Crow Mountains, Jamaica was inscribed by the World Heritage Committee through Decision 39 COM 8B.7 on July 3, 2015. Since the site's inscription, Jamaica has submitted one state of conservation report, which focused on recommendations of Decision 39 COM 8B.7. These included: advice on actions to address fully the threats from mining and encroachment; updated data on the provision of adequate and sustainable financial resources to support the conservation of the property; final report on the state of implementation of the 3-year joint Work-plan proposed in February 2015 and the revised Management Plan for 2017-2027.

The decision of the World Heritage Committee at its 41<sup>st</sup> session indicated in 41 COM 7B.35 the following requests:

- a) The amendments to the Draft National Minerals Policy so as to secure protection of sensitive cultural and natural areas sustaining the OUV of the property,
- b) The new overarching policy and legislation for the protected areas system,
- c) The training programme for Maroon Cultural Assistants and the Preservation Scheme for cultural heritage and
- d) The new Management Plan 2017-2027, underpinned by adequate human and financial resources, in close coordination and cooperation between governmental actors, civil society and the Windward Maroon communities, and fully considering the factors identified by the World Heritage Committee in Decision 39 COM 8B.7 as affecting the property

Request (a) has been addressed with the submission of an amendment to the Draft National Minerals Policy by the Ministry of Culture, Gender, Entertainment and Sport which relates to the protection of culturally sensitive properties, in particular world heritage properties. Dialogue continues to be encouraged and facilitated between the Ministries responsible for Culture and Mining, with strong commitments to the protection and preservation of Jamaica's cultural and natural heritage.

In response to request (b), the Overarching Policy for Jamaica's Protected Areas System is still in draft, with its most recent revision conducted in March 2018.

Request (c) has been addressed through two training workshops of Maroon Cultural Assistants and the finalisation of the Preservation Scheme by the Jamaica National Heritage Trust.

Request (d) indicates the revised 10-year management plan, is now at the final approval stage having been through extensive stakeholder consultation. The document is now with the responsible agency, the National Environment and Planning Agency and is expected to be finalized in early 2019.

The state of implementation for the 3-year work plan 2015-2017, has also been addressed and has been actioned by the responsible agencies of the Co-Management Committee.

The Programmes referenced below continue to result in the effective management of the property and are addressed in the three- year Work Plan 2015-2017 and into 2018.

These are:

- **Conservation of Natural Heritage** - *To maintain and enhance the remaining area of closed broadleaf and disturbed broadleaf forest and component species of plants and animals that exist in the Blue and John Crow Mountains*
- **Preservation of Cultural Heritage** - *To preserve the cultural heritage and enhance the appreciation for the tangible and intangible heritage of the Maroons associated with the Blue and John Crow Mountains*
- **Enforcement and Compliance** - *To stop encroachment of the Blue and John Crow Mountains National Park (BJCMNP) boundary and the destruction of and damage to forest, wildlife and cultural heritage within*
- **Public Education and Outreach** - *To increase support for preservation of the natural and cultural heritage values and for sustainable development of the communities in the Blue and John Crow Mountains*
- **Recreation and Tourism** - *To provide and facilitate the provision of recreational opportunities using ecotourism principles to generate income and support for the BJCMNP*
- **Monitoring and Evaluation** - *To increase support for preservation of the natural and cultural heritage values and for sustainable development of the communities in the Blue and John Crow Mountains.*
- **Governance and Administration** - *To provide efficient, effective and sustained management that will allow the BJCMNP to achieve its mission and goals*



## Responses to the requests of the World Heritage Committee

### **a. Responses to address the amendments to the Draft National Minerals Policy so as to secure protection of sensitive cultural and natural areas sustaining the OUV of the property**

The Government of Jamaica continues to be fully committed to the conservation and management of the Blue and John Crow Mountains World Heritage property. Through continued dialogue and collaboration between the Ministry of Culture, Gender, Entertainment and Sport and the Ministry of Transport and Mining there has been increased understanding of the need to protect sensitive cultural and natural sites. As the Ministry of Transport and Mining (MTM) recognizes the need for sound conservation and management practices, it has reiterated its commitment to not issuing additional licenses for mineral exploration, mining or quarrying within the World Heritage property or its buffer zone.

The Ministry of Culture has submitted an amendment to the Draft Minerals Policy for inclusion which takes into consideration that the International Council on Mining and Metals (ICMM) developed a 'no-go commitment' by which all ICMM member companies and associations commit to abstain from any exploration or extractive activity in World Heritage properties. This submitted amendment is in review with finalisation slated for 2019.

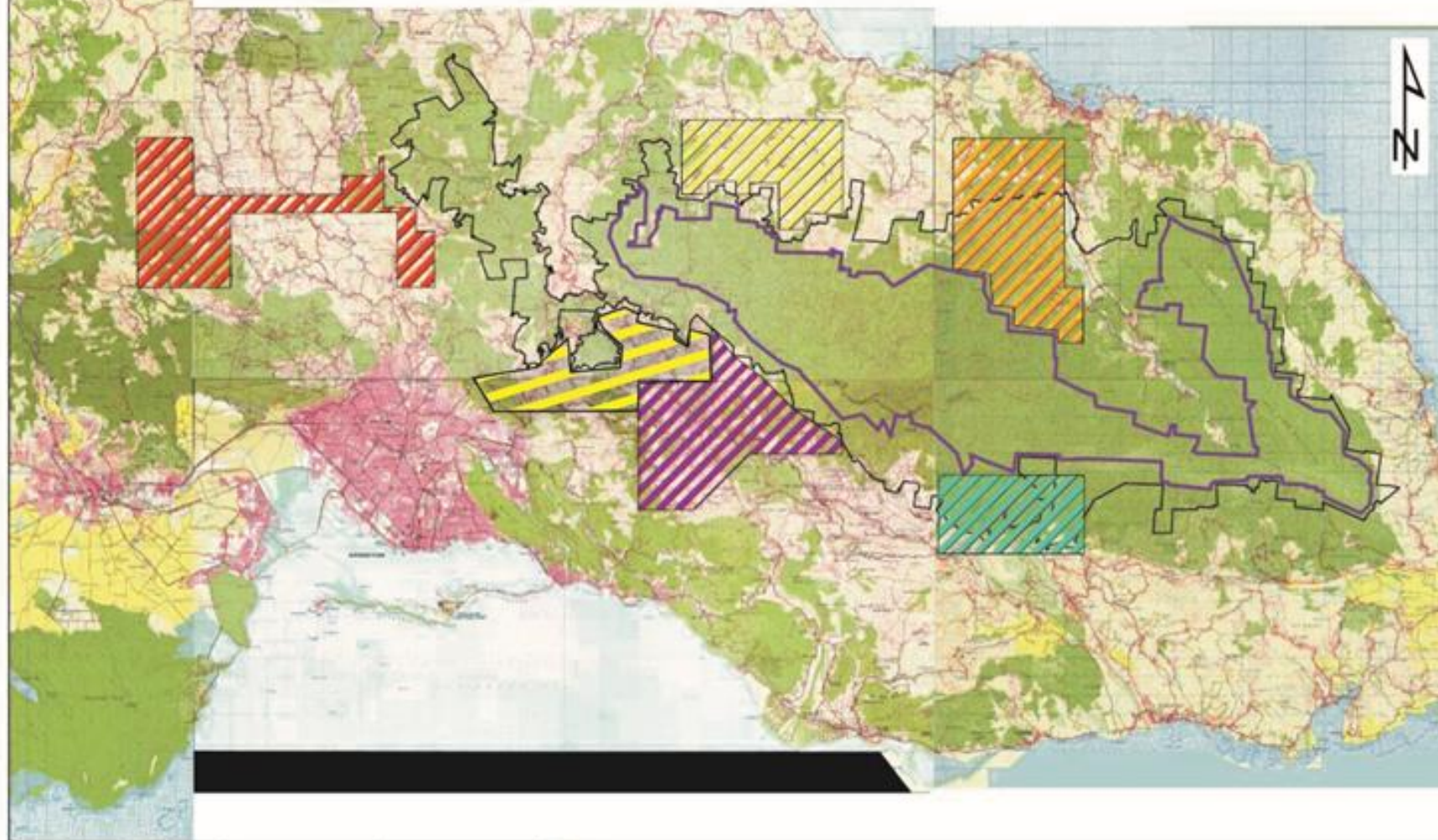
In relation to the Special Exclusive Prospecting Licenses (SEPLs), all five licenses have had their boundaries adjusted to outside of the World Heritage Site. Although as indicated in the map below additional licenses have been granted outside the buffer zone of the world heritage site, the Ministry of Mining indicates that they are for explorations that are not ubiquitous but in concentrated shallow areas. Further, any work near to the World Heritage property will require high-level approval by the Cabinet and the application of strict environmental guidelines and monitoring. An Environmental Impact Assessment is generally required, and more recently, an Archaeological Impact Assessment, if the area is deemed of such significance.

Recalling the current legislation covering the World Heritage Site includes the Jamaica National Heritage Trust (JNHT) Act (1985); the Forest Act (1996) and Forest Regulations (2001) the Natural Resources Conservation Authority (NRCA) Act (1991) and National Park Regulations (1993) all aim towards the conservation and management of the cultural and natural resources of the site.

In addition, there has been significant review over the past 2 years of the JNHT Act, to incorporate not only considerations under the World Heritage Convention but other UNESCO conventions around underwater cultural heritage and illicit trafficking of cultural objects. The JNHT Act is now scheduled for placement on the national legislative agenda in early 2019. The Act is expected to cover issues of compliance and enforcement and will result in stronger protection of cultural and natural heritage assets across the island.



Map showing SEPLs in Relation to the Blue and John Crow Mountains WHS Boundary



0 4,300 8,600 17,200 25,800 Meters

**Legend**

- |          |          |          |                                       |   |
|----------|----------|----------|---------------------------------------|---|
| SEPL 585 | SEPL 573 | SEPL 559 | SEPL 566                              | Blue & John Crow Mountain Park Boundary |
| SEPL 574 | SEPL 565 | SEPL 567 | Blue & John Crow mountain Buffer Zone |   |

**b. Responses to the address the new overarching policy and legislation for the protected areas system**

The Overarching, national policy and additional draft legislation for the Jamaica's Protected Areas (PA) System though still in draft, was revised in March 2018 by the Ministry of Economic Growth and Job Creation. This draft Policy aims to increase the level of coordination and collaboration among all the agencies with a role to play in PA management. Management of the BJCMNP is consistent with and contributes to the achievement of the goals of the existing Policy for Jamaica's System of Protected Areas (GOJ, 1997), the draft over-arching policy and the Protected Areas System Master Plan: Jamaica 2013-2017. The Overarching Protected Area Legislation is at an early stage of the legislative development process. The Drafting instructions are expected to be reviewed by March 2019 prior to forwarding to the Ministry for review.

**c. Response to the training programme for Maroon Cultural Assistants and the Preservation Scheme for cultural heritage**

The Jamaica National Heritage Trust (JNHT) in collaboration with the African Caribbean Institute of Jamaica/Jamaica Memory Bank began the training of Maroon Cultural Assistants in September 2018. The training sessions were held September 21, 2018 and October 25-26, 2018 with the involvement of the three Maroon communities in the Windward area of Moore Town, Scots Hall and Charles Town. The meetings were held in the nearby Parish of Portland to make it more practical and hands on for community members.

A total of ten (10) Maroons and two (2) Rangers participated in the training sessions held over the above-mentioned periods. The participants were trained in the identification of artefacts and tangible and intangible heritage assets, basic map reading and basic conservation techniques. As part of the training and monitoring programme, the JNHT team along with the participants hiked the John's Hill Trail above the Moore Town Maroon community as the practical aspect of the training. The Agency anticipates building on this training in 2019.



Participants learning to identify artifact types and map reading

- d. Response to the new Management Plan 2017-2027, underpinned by adequate human and financial resources, in close coordination and cooperation between governmental actors, civil society and the Windward Maroon communities, and fully considering the factors identified by the World Heritage Committee in Decision 39 COM 8B.7 as affecting the property**

Having signed the most recent 5-year license agreement with the Natural Resources Conservation Authority (NRCA), Jamaica Conservation and Development Trust (JCDDT) continues to collaborate with all co-management partners through a process of collaborative management. The agreement was signed on June 28, 2016 and will see the JCDDT managing day to day operations of the world heritage property and National Park until 2021.

The co management partners include: the National Environment Planning Agency (NEPA), Forestry Department (FD), Jamaica National Heritage Trust (JNHT), Divisions of the Institute of Jamaica - African Caribbean Institute of Jamaica/Jamaica Memory Bank (ACIJ/JMB) and Natural History Museum of Jamaica (NHMJ) and Windward Maroon Councils' representatives.

The management plan prepared during 2016, included nineteen community meetings reaching 21 communities with 356 participants. In addition, five stakeholder meetings /programme workshops and a one-day workshop to review the draft plan was held in 2017. It was reviewed by key stakeholder Government agencies in 2017 and re-submitted for final approval to the National Environment Planning Agency in mid-2018. The plan is now before the NRCA Board for ratification having already been approved by its Biodiversity Committee. This ratification is slated for late December 2018 or early January 2019.

#### Funding support

As a Small Island Developing State, given the economic vulnerabilities and the limited fiscal space, Jamaica operates within the context of an International Monetary Fund Agreement with competing demands on stretched budgets. Nevertheless, the Government of Jamaica recognizes the significance and obligation of fulfilling financial support for the Site and is committed to its continued preservation and management.

Over the period, approximately US\$150,000 sourced annually for recurrent budget including an estimated amount of US\$100,000-US\$120,000 from the Government of Jamaica. In addition, an approximate amount of US\$60,000/year was earned from the operation of recreation areas. Fifty percent (50%) of this amount is from legislated user fees which JCDDT collects and utilises for operations. NEPA has approved amendments to the Natural Resources Conservation (User fees) Regulations (2003) and has forwarded same for gazetting. It is expected that the Park's income will increase in 2019 with the projected increase in domestic user fees.



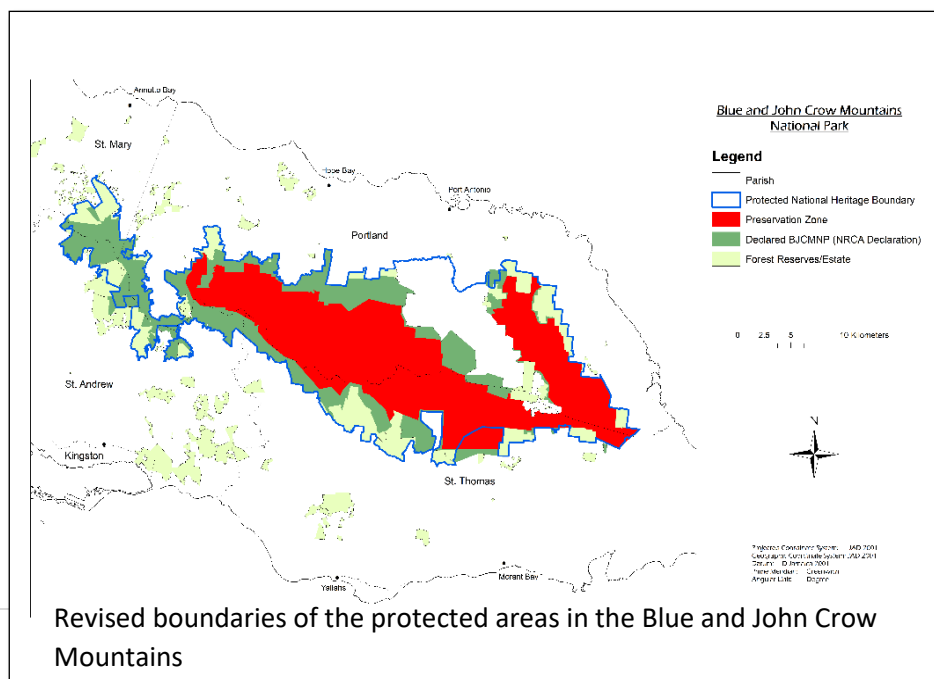
An additional US\$100,000 – US\$300,000/year was raised for projects which support the management programmes and for capital expenditure e.g. construction of recreation area facilities. These funds were from a variety of sources including the Global Environment Facility (GEF) Small Grants Programme (SGP). Annually, JCDT sourced:-

**Table of sourced funds by the JCDT**

Period	Re-current Operational Expenditure	Projects (support Programmes) & Capital Expenditure
2016 - 2017	US\$165,973	US\$380,000
2017 - 2018	US\$170,000 (US\$125,000 from GOJ directly, US\$30,000 from recreation areas & balance from projects)	US\$250,000
2018 - 2019	US\$200,000 (US\$125,000 from GOJ, US\$50,000 from recreation areas & balance from projects)	US\$150,000

### Boundaries

During this period, work was done to analyze information from cadastral maps and other records to clarify the boundary of the National Park and the Preservation Zone. Technologies acquired were used to properly define the boundaries in addition to the previously mentioned means. These actions resulted in the revision of the National Park boundary to accurately reflect what is actually gazetted as the National Park under the NRCA Act. The Protected National Heritage boundary remains the same and serves as a legally defined Buffer Zone for the Preservation Zone which was designated as World Heritage. The details along with maps are provided in the attached National Park Boundary Clarification document (Appendix A).



## ***Final report on the state of implementation of the 3-year joint Work-plan proposed in February 2015***

All programmes as listed below continue to be addressed, with activities being accomplished based on stated timeframes and others requiring additional time. Appendix A shows the work plan in detail with the current status of implementation.

Programmes are as follows:

- NATURAL HERITAGE CONSERVATION PROGRAMME
- CULTURAL HERITAGE PRESERVATION PROGRAMME
- ENFORCEMENT & COMPLIANCE PROGRAMME
- EDUCATION & PUBLIC INVOLVEMENT PROGRAMME
- RECREATION & TOURISM PROGRAMME
- MONITORING & EVALUATION PROGRAMME
- GOVERNANCE AND ADMINISTRATION PROGRAMME

- **NATURAL HERITAGE CONSERVATION PROGRAMME**

In this programme, over the period September 2016 – October 2018, natural heritage conservation has been focused around the areas of reforestation, and removal of invasive species, where saplings are removed, and trees treated. To ensure efficient work in this area, a Conservation Science Officer was employed to JCDDT in September 2018.

Reforestation through the JCDDT has taken place over 5ha on lands adjacent to the National Park and 44.83ha of denuded lands were reforested by the Forestry Department. The JCDDT has sourced funding to reforest 20 ha near Moore Town and along the Abbey Green/Cinchona boundary. Planting is expected to start in late 2018/early 2019. Funds were also obtained to repair native species nurseries.

All forested lands reforested in previous years were maintained by the JCDDT and the Forestry Department. The Forestry Department also established and maintained fire line and roads and trails. Areas such as Blue Mountain Peak trail, Mt. Horeb/Fairy Glade and Cinchona which were cleared of invasive species such as wild coffee and wild ginger were maintained and additional areas added.

Further, the NEPA conducted surveys of the orchid species in Catherine's Peak which started in March 2015 and continued in February 2016. The purpose of the survey is to establish baseline data on the relative abundance of orchid species in Catherine's Peak, Blue Mountain, St. Andrew and to eventually increase the relative abundance of these species. This project continued into 2017 and into 2018.

Natural History Museum of Jamaica (NHMJ) facilitated research within the National Park and World Heritage Site. Research conducted were with three sets of overseas researchers in 2018. All three involved the recording and collection of species within the BJCMNP & WHS that will inform or assist the management and conservation of the Park.

The focus of each research was as follows:

- Viburnum (Adoxaceae) research – NHMJ in collaboration with researchers Dr. Patrick Sweeney, Dr. Deren Eaton, Dr. Erica Edwards and Prof. Michael Donoghue from Yale University. The research involved fieldwork to make observations and to collect herbarium specimens and leaf material that will be utilized for evolutionary studies. Fieldwork was conducted in early May, 2019.
- Lichen research – NHMJ in collaboration with Dr. Manuel dal Forno and Mr. Joel Mercado from the Smithsonian Institution and the Field Museum respectively. The research is to investigate the Taxonomic and Evolutionary aspects of the lichen flora of Jamaica. Fieldwork was conducted in April 2019.
- Mecranium (Melatomataceae) research – NHMJ in collaboration with Dr. Dan Skean Jr. from Albion College. The goal of the study will be to better understand the morphological variation in Jamaican *Mecranium* species and especially to collect and publish a paper describing one (or possibly two) new species of this group. Fieldwork will be conducted in late May 2019.

JCDT sourced funding from the Global Environment Facility (GEF) Small Grants Programme (SGP) for a Natural and Cultural Heritage Conservation Project in Maroon Communities and this was also supported by funds from the German International Cooperation (GIZ) in early 2018. Under these two projects, the following was facilitated in conjunction with Maroon communities:

- Forest Assessments of two locations in the National Park (WHS Buffer Zone) showing degradation based on satellite imagery in order to prepare Conservation Plans for implementation.
- Forest restoration (10ha) near Moore Town – communal lands – this will see planting of a combination of fruit, lumber and native, bird feeding trees and use of the area for a guided tour.
- Jamaican Hutia (*Geocapromys brownii*) assessment in the Moore Town area to estimate population and status - a wildlife research permit was obtained for one year for the assessment of the in the Moore Town area, beginning in September 2018. This assessment is based on complaints from the farmers in the Maroon communities of the species eating their crops. The Hutia is protected under the NRCA Act and is historically eaten by Maroons.
- Agro-forestry/Sustainable Agriculture Training Workshops - 2 days with distribution of seedlings:-

- 2016 – Westphalia and Content Gap – 41 farmers and 700 tree seedlings distributed
- 2017 – Johnson Mountain – 52 farmers and 456 tree seedlings distributed
- 2018 – Charles Town and Scott’s Hall (Maroon communities) – 66 farmers and students and over 700 tree seedlings distributed
- 2018/19 Plans for: Bellevue, Comfort Castle, Moore Town, Cornwall Barracks in the Rio Grande Valley.



Agro-forestry training in  
Maroon communities

#### • CULTURAL HERITAGE PRESERVATION PROGRAMME

The preservation of tangible and intangible cultural heritage for the World Heritage Site is ongoing.

Training activities were facilitated in several areas to include:

- Workshop for Maroon communities on Intellectual Property and Indigenous Knowledge: held in Charles Town with one presenter from the Jamaica Intellectual Property Office and another from the New York Botanical Gardens, doing research in Jamaica



- Jamaica and South Africa joint research, launching and indigenous knowledge-based technology and innovation workshop through the National Research Foundation (NRF) of South Africa and the Jamaican National Commission on Science and Technology (NCST)
- training was provided within the Maroon communities through the Global Environment Facility (GEF) Small Grants Programme (SGP) Visitor Management and Conservation Plans for Sustainable Tourism in Maroon Communities.

Jamaica signed an agreement for a 3-year Indigenous Knowledge research project under the South Africa-Jamaica Scientific & Technical Cooperation Agreement. This will see research on:-

- Comparison of knowledge and perspectives in Indigenous communities around protected areas including World Heritage in KwaZulu-Natal, South Africa and Portland, Jamaica.
- Comparison of environmental management and governance issues in two Maroon communities in Jamaica
- Agro-biodiversity and Indigenous Knowledge in Maroon communities in Portland, Jamaica

The project has also facilitated the opportunity to develop a relationship between the Ukhalhamba Drakensberg and Blue & John Crow Mountains World Heritage Sites.

The Maroon communities also sourced funding for themselves, from the Global Environment Facility (GEF) Small Grants Programme (SGP) for improvements in tourism and other facilities and training.

Under the guidance of the Maroon Communities, two sites and two trails were identified by the Archeology Division of the Jamaica National Heritage Trust through an archeological field survey. These include Grampian Ruins and Grampian Trail and Ladyfield Great House Ruin and Johns Hill trail. This was in collaboration with the Maroons of the Hayfield community. The sites were added to the regularly updated, database of sites.

Site monitoring activities were conducted in Moore Town, Charles Town, Scots Hall, Hayfield and visits were also facilitated to Nanny Falls and the Blue Mountain Peak, Cunha Cunha Pass and the Blue Mountain Peak trail.

The first phase of the development of the cadre of Maroon Cultural Assistants was facilitated in September to October 2018, with a total of ten (10) Maroons and two (2) Rangers participated in the training sessions held over the periods. The participants were trained in the identification of artefacts and other heritage assists, basic map reading and basic conservation techniques. In 2019, this training will be built upon with more advance techniques for conservation f natural and cultural heritage resources.

The preservation activities associated with the intangible heritage values of the site continues with ongoing research and community engagements through the National Intangible Cultural Heritage Stakeholder Network. The African Caribbean Institute of Jamaica/Jamaica Memory Bank (ACIJ/JMB) has continued to provide funding for Maroon festivals in addition to the JCdT and the Ministry of Culture, Gender, Entertainment and Sport. In recent years the latter has increased financial and in-kind support by 200%, to adequately address staging of annual festivals. The Ministry has also supported entrepreneurship in the Maroon communities and those surrounding the National Park through its Economic Opportunities workshop staged in Kingston in 2016 and St. Thomas in 2017. Further, the Ministry was able to provide funding for 17 individuals from the communities in entrepreneurship and business startup.

Promotional activities continue to take place through preparing a total of 500 copies of *The Blue & John Crow Mountains World Heritage Site: Activity Booklet* with 285 copies distributed. A total of 600 copies of *The Blue and John Crow Mountains (BJCM) World Heritage Site Handbooks* were prepared and printed and 450 copies were distributed. Further, an exhibition by the ACIJ/JMB was launched with a focus on the site and the intangible heritage of all Windward Maroon communities. Equipment was funded through a UNESCO project with the purchase of 2 computers, 2 hard drives, projector and Screen, digital camera to assist with the documentation and public awareness of the project to safeguard the ICH of the BJCM as a World Heritage site.



Dr. Ina Vanderbroek, New York Botanic Garden addresses BJCMNP & WHS Maroon Intellectual Property and Indigenous Knowledge workshop at Charles Town (7/3/18)

Training of Maroon Cultural Assistants - hiking the Johns Hill Trail



- **ENFORCEMENT & COMPLIANCE PROGRAMME**

Enforcement and compliance of the site is within the scope of the Forestry Department (FD) and JCDT Rangers. Through these entities over the period, 308 regular patrols were facilitated through JCDT National Park Rangers and 795 critical patrols by the Forestry Department Rangers. Collaborations among the JCDT, FD and NEPA resulted in 50 joint patrols and six early morning patrols.

In facilitating greater levels of compliance, JCDT, FD, NEPA Rangers include community outreach stops on patrols with consistent interactions within the buffer zone. As such interpretive enforcement has been facilitated by more concerned and supportive communities who are promptly reporting and providing information on any illegal activities. This was done in 79 communities with over 1,200 community members engaged in sharing National Park and World Heritage Site brochures and information on care of the environment. Current plans are in place to hire two new National Park Rangers in 2019.

Patrols have led to warning notices and *notices to quit* being issued based on incidents of breaches of the legislations (JNHT Act (1985); the Forest Act (1996) and Regulations (2001) the NRCA Act (1991) and National Park Regulations (1993) reported to FD, NEPA, and JNHT. One Hundred and fifty-two (152) breaches were reported to the Forestry Department via tip line/hotline, letters and emails.

As part of the boundary marking project initiated on a challenging section of the boundary (Abbey Green to Cinchona), tree planting was initiated in 2018 to help mark the boundary where farm lands abut and often have encroachment. A fire-line was created and will be maintained for protection of the boundary line trees being planted and to allow for patrols. In addition, several small signs have been placed on the boundary line at this and other locations. Further two National Park Rangers will be hired in early -2019.

The Forestry Department has between 2015-2017 served twenty-five (25) Notices of Contravention. Twenty-four (24) of the twenty-five (25) Notices had full compliance and one (1) had partial compliance, 20 Notices of Contraventions for various infractions, 9 of which had full compliance; Two (2) Notices to Quit were served. One (1) had full compliance and the other was not resolved as the offender had applied to NLA for a Lease; this was confirmed with NLA. A total of one hundred and fifty-two (152) offences were detected for the period.

One (1) matter was successfully prosecuted in September 2016 and one (1) person charged with cutting trees in the Hermitage block of the Blue Mountain Forest Reserve. The following penalties were levied: Fine-\$200,000 and 100 hours of community service.

The Preservation Scheme, which is critical to strengthening enforcement and compliance in respect of the cultural heritage component of the site, is to be published by year-end. In the absence of objections or clarifications within the three (3) months period following



publishing, the Blue & John Crow Mountains Preservation Scheme will be gazetted and confirmed.



NP Rangers conducting community outreach in communities around the National Park



#### • EDUCATION & PUBLIC INVOLVEMENT PROGRAMME

Through activities in all co management partner agencies, several activities have been undertaken in that has brought exposure to the Blue and John Crow Mountains (BJCM) World Heritage site and National Park. The JCDT has engaged the *BJCM National Park Knowledge, Attitudes and Practices Survey* carried out in over 40 communities around the World Heritage Site Buffer Zone from mid-2017 to 2018 and data collation started. Analysis and reporting are expected in 2019. The BJCM website <https://www.blueandjohncrowmountains.org/> has been updated with a new format.

Further capacity building has taken place in environmentally sustainable livelihoods. This has resulted in Sustainable Community Tourism initiatives, working with five communities in the world heritage buffer zone, namely the Rio Grande Valley area to prepare Sustainable Tourism Plans. Further, sustainable Agriculture and Agro-forestry workshops were held to include three (3) two-day training workshops in three communities with over 100 participants and over 1,000 tree seedlings distributed.

World Heritage Day activities included the erection of two additional gateway signs to the BJCM World Heritage Site led by the Ministry of Culture. This culminated in three sites in total for the gateway signs, located in Papine, St. Andrew; Port Antonio, Portland and Port Morant,

St. Thomas. In 2018, NHMJ mounted a temporary display on a *View of the Blue and John Crow Mountains World Heritage Site* in collaboration with the MCGES and ACIJ/JMB at the “(He)Art of the Matter: Talking On Purpose”, an initiative of the Edna Manley College of the Visual & Performing Arts (EMCVAP). This commemorative presentation for World Heritage Day was presented at The Library at the Edna Manley College of the Visual & Performing Arts. The display consisted of medicinal plants found at the protected site as well as some key animal specimens.

The BJCM Economics Opportunities Workshop series having been staged in 2016 and 2017 and engaging over 250 individuals, was able to provide funding for 17 entrepreneurs between the ages of 20-60 years in starting businesses. This Ministry of Culture initiative was also able to provide in addition to grant funding, mentorship support. The project has been extended to the Leeward Maroons in particular Accompong.

In early December 2018, a seminar was hosted by the JCDT at the University of the West Indies, Mona campus on ‘Indigeneity, Maroon Communities, Conservation and Sustainable Development in the Blue and John Crow Mountains’. The seminar provided opportunities to discuss research in the site as well as the interaction and impact on the Maroon communities.

Public awareness activities were engaged in to promote the values of the site and Jamaica’s world heritage status. This has been facilitated through brochures, posters, social media, public service announcements, exhibitions, displays, media releases and advertorials. This also occurs through all agencies to include the JCDT, JNHT, FD and NEPA.

In addition, the interpretative centre for the National Park and World Heritage Site has been erected at Holywell and exhibits for the Discovery Centre are being constructed with local talent and in collaboration with students of the Edna Manley College of the Visual and Performing Arts. An initiative for local tour guide training of community youth has also been facilitated at Holywell. All key stakeholders have been engaged including the Maroon communities of Charles Town, Scots Hall and Moore Town. The clear objective of this plan is to distinctly present the core themes of the intangible and intangible heritage of the Windward Maroon community and the site’s biodiversity, ecosystems and endemism.

Youth from communities around Holywell participated in 2 days training on the WHS in September 2018





Unveiling of third gateway sign in Port Morant, St. Thomas



Scott's Hall community member participates in agro-forestry training in July 2018

## - **RECREATION & TOURISM PROGRAMME**

In facilitating greater visitor access to the recreational areas of the site, funding was obtained from the Jamaica's Social Investment Fund (JSIF) and the Tourism Enhancement Fund (TEF) and Sandals Foundation to facilitate several developments. These included:

- Construction of two-story building at Holywell (main recreational area) to house a café (which will be concessioned) and the Discovery Centre and Gift Shop.
- Remove and rebuild old dormitory cabins at Portland Gap and expand another dormitory cabin.
- Adding a new Ranger Station beside the gate/sentry post on the Blue Mountain Peak Trail to enhance user fee collection.
- Adding a gazebo shelter at Portland Gap and signage.
- Replaced dilapidated shelter at the Peak with a less obtrusive structure.

The NRCA also made amendments to the Blue and John Crow Mountains National Park (User Fees) Regulations (2003). These included amendments to selected fees which would contribute to an increase in revenue generated to the support the Parks operational activities. Holywell experienced an increase in income by 47% and number of visitors by 41% whereas in 2017 there was a decrease of about 8% and 3% respectively. Portland Gap/Blue Mountain Peak Trail increased income by 100% and visitors by 23%. There was also an increase in 2017 over 2016 due to renovations. The JCDT also engaged the services of a Tourism & Marketing Officer on staff since 2017. This has resulted in major new marketing initiatives including participating in the



National Tourism Expo (JAPEX). Presentations were done on the National Park and World Heritage Site at the RE-Imagine Kingston (UWI) Conference (10/11) and World Tourism Organisation Conference in Montego Bay (27/11). The most recent event was the hosting of 'Christmas Breeze' at Holywell, an event geared towards families and learning about the National Park.



Patrons enjoying *Christmas Breeze* event at Holywell recreational grounds

- **MONITORING & EVALUATION PROGRAMME**

The monitoring and evaluation programme maintain the consistent tracking and recording of the threats and changes to the health of the site's ecosystem. This is done through the collaborative efforts of the JCDT, co-management partners and a team of experts in the field.

Information to determine whether the Park is achieving its conservation goal is gathered and collated from monthly patrols, permanent point photo-monitoring, key and threatened populations of endemic species and quality of freshwater ecosystems.

The bird monitoring analysis of existing data is completed. The requisite training was also conducted, and new protocols prepared to start monitoring in November 2018. New equipment and plans for Stream/Macro-invertebrate Monitoring is in place with upcoming use of a drone to aid monitoring of the forest cover.



- **GOVERNANCE AND ADMINISTRATION PROGRAMME**

The Co-management team meets on a consistent basis quarterly, with a clear direction for continued integration in the activities associated with the World Heritage Site. Maroon Community Advisory and BJCM National Park Advisory meetings are ongoing. Specific meetings were engaged for completing the management plan and review as was needed.

The management plan as stated above is completed and having received approval from the technical Biodiversity Committee of the NRCA is slated to be ratified by the NRCA Board by late December 2018 or early January 2019.

The following are the operational activities of the JCDT for the Blue and John Crow Mountains World Heritage Site and National Park for the period April 2018 – March 2019.

**BJCMNP Workplan for Implementation by JCDT**

Programme of Activities	Activities	Expected Outputs/Outcomes
<b>Enforcement &amp; Compliance Programme</b>		
<b>Obj. 1. Increase level the effectiveness of the Programme in terms of increasing compliance and enforcement.</b>	1.1 Conduct routine patrols	1.1 132 patrols/yr (11/mth)
	1.2 Organise Joint Agency Patrols	1.2 At least 2 Joint Agency Patrol/mth
	1.3 Organise patrols during “off” hours	1.3 At least 4 “off” hours patrols/yr
	1.4 Record information from patrols and report to relevant agencies	1.4 Monthly Report & Map; Correspondence
	1.5 Updated Policies & Standard Operating Procedures (SOP) being implemented	1.5 Forms and Reports completed regularly as per SOP
	1.6 Conduct training sessions	1.6 At least 4 sessions
	1.7 Patrols include community outreach	1.7 At least 7/11 patrols
	1.8 Increase visitor compliance at recreational areas	1.8 Rangers liaise with visitors on weekends
	2.1 Re-establish boundary on the ground working with co-management partners	2.1 Cinchona to Abbey Green (9.4km)
	2.2 Plant tree seedlings on boundary	2.2 Distinctive tree line (as per above)
<b>Obj. 2. Mark National Park and other relevant PA boundaries that would allow access to the National Park and World Heritage Site</b>	2.3 Place signs at boundaries	

Programme of Activities	Activities	Expected Outputs/Outcomes
		2.3 Small signs and Large Map signs placed in strategic locations
<b>Conservation of Natural Heritage</b>		
<b>Obj. 1 Rehabilitate degraded forest within the National Park</b>	1.1 Prepare & Implement Conservation Management Plans for key areas using ground-truthing & technology 1.2 Invasive species control at Mt. Horeb and Holywell - maintenance 1.3 Maintain reforestation at Holywell 1.4 Forest restoration above Moore Town 1.5 Produce native forest tree seedlings as needed	1.1 Plans and Reports for two areas: Grand Ridge and Nanny Town 1.2 Maintain 4 hectares 1.3 Maintain 1 hectare restored forest 1.4 10 hectares 1.5 At least 2,000 seedlings
<b>Obj. 2: Restore forest &amp; plant native trees in lands adjacent to the National Park</b>	2.1 Maintain 1.2 hectares of restored forest on NWC lands above Hermitage 2.2 Seek other opportunities with local stake-holders 2.3 Agro-forestry training and seedling distribution	2.1 1.2 hectares restored forest 2.2 Agreements for new acreage or tree planting. 2.3 2 days training & at 200 seedlings (fruit, lumber & native) in at least 3 communities
<b>Obj. 3: Promotion &amp; Facilitation of Research</b>	3.1 Implement Research Permit Process – liaise with NEPA & Researchers 3.2 Organise field trips with relevant researchers/agencies for flora/fauna studies 3.3 Coney study in Moore Town/Bowden Pen and preparation of Conservation Plan 3.4 One day Seminar at UWI	3.1 Permit Applications Response and File up-to-date 3.2 Reports with information on flora & fauna to guide management 3.3 Report with information to guide conservation management 3.4 Report & Dissemination of Information
<b>Preservation of Cultural Heritage</b>		

Programme of Activities	Activities	Expected Outputs/Outcomes
<b>Obj. 1: Tangible Heritage</b>  <b>Obj. 2: Intangible Heritage</b>  <b>Obj. 3: Promote awareness &amp; appreciation of Maroon heritage &amp; links with natural heritage</b>  <b>Obj. 4: Promote research that aids management preservation</b>	1.1 Prepare Management Plan for Nanny Town & Trail 1.2 Prepare Conservation Guidelines for BJCM Trails 2. Work with ACIJ & Maroon Communities to implement community-based strategies and monitoring reports  3.1 Assist Maroon festivals by seeking funding support and promoting the events 3.2 Draft booklet: Maroon & other Communities: natural & cultural heritage 3.3 Promote Maroon tours  4.1 Assist JNHT & ACIJ to update & improve research application system 4.2 Workshop: Intellectual Property protection	1.1 Management Plan for improved management 1.2 Guidelines & training for improved management 2.0 Reports  3.1 Funding (\$25,000/event) and Marketing support for Maroon events 3.2 Educational Booklet  3.3 At least 4 tours being promoted  4.1 Draft Plan  4.2 Workshop
<b>Monitoring &amp; Evaluation</b>		
<b>Obj. 1: Threats and Impacts Monitoring</b>  <b>Obj. 2: Monitor Populations of Key Threatened Species</b>  <b>Obj. 3: Forest Area &amp; Encroachment</b>	1.1 Collect & Enter Information from Patrols  1.2 Conduct Permanent Station Photo-monitoring  2. Record all sightings etc. from patrols, monitoring & communities	1.1a. Information in Mthly Patrol Reports 1.1b. Threats/Offences Map for 2017/18 1.2a. Photos of at least 8 of 10 sites 1.2b. Report on Comparison of photos  2. Records in Monthly Patrol Reports

Programme of Activities	Activities	Expected Outputs/Outcomes
<b>Obj. 4: FW Macro-invertebrate Monitoring</b>  <b>Obj. 5: Bird Monitoring</b>	3.1 As per Conservation Programme – assessment of sites in the Rio Grande Valley  4a Sample sites in both wet and dry seasons  4b Update monitoring approach and data collection; Analyze data and Prepare Report.  5a. Prepare plan for improved programme and conduct training  5b. Bird Monitoring in 2 seasons (winter and summer) and Analysis of data	3.1 Conservation Plans  4a. 10 sites sampled (May/Nov) 4b. 2017/18 Monitoring report  5a. Plan and Report  5b. Monitoring and Report
<b>Education &amp; Public Involvement</b>		
<b>Obj. 1: Increase public awareness about the Park, its importance and relevant issues</b>	1.1 Prepare Report on Knowledge, Attitudes & Practices (KAP) Survey in Buffer Communities 1.2 Conduct & Participate in community & other events/festivals with information booth 1.3 New Interpretation at the Park's Recreation Areas 1.4 Outreach to community schools – presentations (30) 1.5 Community schools visit Holywell 1.6 Teacher Training Workshop  2.1 Assist local communities to prepare Visitor Management/Conservation Plans	1.1 KAP Survey Report  1.2 Participate in at least 6 events  1.3 Holywell – New Visitors' Centre; Peak at least 2 signs 1.4 30 schools visited with presentations 1.5 At least 4 I visit Holywell for tour 1.6 Knowledge and skills improved for at least 20 teachers from local schools

Programme of Activities	Activities	Expected Outputs/Outcomes
<b>Obj. 2: Facilitate capacity building of community members in Park's buffer zone, for sustainable livelihoods &amp; natural resources management</b>	2.2 Training of community members in sustainable agriculture and agro-forestry  2.3 Community Projects and Activities in conjunction with JCDT	2.1 Plans for at least 6 Rio Grande Valley and/or Maroon communities to guide local sustainable tourism  2.2 At least 3 workshops with 20 community members each  2.3 At least 3 communities with joint projects or activities with JCDT
<b>Recreation and Tourism</b>		
<b>Obj. 1: Provide &amp; facilitate opportunities to appreciate natural and cultural heritage</b>  <b>Obj. 2: Raise visitor awareness</b>  <b>Obj. 3: Mitigate against negative environ-mental &amp; socio-cultural impacts</b>  <b>Obj. 4: Increase financial benefits to Park management</b>  <b>Obj. 5: Engender community support through benefits to community groups and members</b>	1.1 Prepare Blue Mountain Peak Trail Ecotourism Management Plan 1.2 Prepare Nanny Town Ecotourism Management Plan 1.3 Holywell Cable Car Feasibility Study  2.1 Holywell – New Visitors' Centre 2.2 Peak Trail – Signage installed as per Plan  3.1 Environmental/Visitor Management Systems within the Ecotourism Management Plans for Holywell and Peak Trail  3.2 Implementation of Environmental/Visitor Management Systems  4.1 Marketing activities as per Plan 4.2 Gift Shop, Café & Tuck Shop operating at Holywell 4.3 Portland Gap fully operationalised	1.1 Plan by June  1.2 Plan by September  1.3 Report by June  2.1 Full complement of exhibits end year 2.2 Signage according to Plan by July  3.1 Plans complete by June and training by October  3.2 Implementation of priority activities.  4.1 Monthly events &/or promotions 4.2 Increased income by year end  4.3 Increased income by year end

Programme of Activities	Activities	Expected Outputs/Outcomes
	4.4 Tours and events	4.4. Increased income by year end
	5.1 Assist communities with Sustainable Tourism Plans and projects	5.1 Activities in at least 5 communities
	5.2 Marketing of community tours & events	5.2 Community tourism marketed
<b>Governance &amp; Administration</b>		
<b>Obj. 1: Coordinate management at through various committee meetings on a regular basis</b>  <b>Obj. 2: Provide for adaptive &amp; effective management and administrative support for the Park's programmes</b>  <b>Obj. 3: Source recurrent &amp; capital funding for Park management in short and long-term</b>	1.1 Organise BJCMNP Advisory Committee meetings 1.2 Organise Co-management Committee meetings 1.3 Organise Maroon Community Meetings 1.4 Participatory Planning with Communities e.g. for Sustainable Tourism Plans  2.1 2017 - 2027 Management Plan approved 2.2 Preparation of Annual Plans & Reports 2.3 Preparation of monthly Programme Reports 2.4 Preparation of project reports 2.5 Regular meetings:- 2.5a Prog. Mgmt & Rangers' Roster Mtgs 2.5b Staff meetings quarterly 2.6 Project Development and Management - as per Park Management Plan 2.7. Staff training	1.1 Minutes from 2 meetings/year  1.2 Minutes from 6 meetings/year  1.3 Minutes from 4 meetings/year 1.4 At least 4 meetings  2.1 Management under approved Plan 2.2 Annual Report & Work Plan by 5/2/18 2.3 Monthly Reports by 15 <sup>th</sup> of each month  2.4 By 21 <sup>st</sup> or 30 <sup>th</sup> of each relevant month 2.5 Monthly meeting notes & coordination  2.6 Project proposals - 6/yr - US\$250,000; successfully implemented projects.

Programme of Activities	Activities	Expected Outputs/Outcomes
	<p>2.8 Networking and Collaboration – attend meetings, workshops etc to promote collaboration that supports Park management</p> <p>3.1 Follow up with NEPA re: increases in user fees requested in 2014</p> <p>3.2 Proposals to NRCA/NEPA, donors &amp; private sector</p> <p>3.3 Friends of the Blue Mountains Programme – Individual and Corporate Membership - Strategic Partners:</p> <p>3.4 Increase income from Recreation &amp; Tourism Programme</p> <p>3.5 Fundraising Events &amp; Activities e.g. Calendar and Coffee Table Book for sale</p>	<p>3.7. At least 4 Training days &amp; recognition</p> <p>2.8 Opportunities for collaboration increased</p> <p>3.1 New fees gazetted</p> <p>3.2 Minimum: JA\$40 million</p> <p>3.3 Minimum: JA\$2 million</p> <p>3.4 By at least 60%</p> <p>3.5 25<sup>th</sup> Anniversary Event &amp; Activities</p>



## Conclusion

The decision of the UNESCO World Heritage Committee at its 41<sup>st</sup> session focused on the following main areas:

- a) The amendments to the Draft National Minerals Policy so as to secure protection of sensitive cultural and natural areas sustaining the OUV of the property,
- b) The new overarching policy and legislation for the protected areas system,
- c) The training programme for Maroon Cultural Assistants and the Preservation Scheme for cultural heritage,
- d) The new Management Plan 2017-2027, underpinned by adequate human and financial resources, in close coordination and cooperation between governmental actors, civil society and the Windward Maroon communities, and fully considering the factors identified by the World Heritage Committee in Decision 39 COM 8B.7 as affecting the property

The State of Conservation report for the Blue and John Crow Mountains World Heritage site has sought to adequately address issues concerning these requests with clear indications on future plans for greater implementation of management activities.

Responses provided within the body of this report to the areas above, indicates that the Government of Jamaica, through its Ministries and Agencies are strongly committed to the preservation and protection of the Outstanding Universal Value of the Blue and John Crow Mountains.

**Questions 1-4 are answered above.**

## 5. Public access to the State of Conservation report

The State Party hereby consents to the publication of the full State of Conservation Report on the World Heritage Centre's website.

## 6. Signature of the authority

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Denzil Thorpe  
Permanent Secretary  
Ministry of Culture, Gender, Entertainment and Sport

- [Appendix A: National Park Boundary Clarification](#)
- [Appendix B: Updated 3-year Joint Work plan \(2015-2017\)](#)

## Appendix A

### Blue and John Crow Mountains National Park Boundary Clarification

The Blue and John Crow Mountains National Park was designated in 1993 and covers an area of 41,197.97 hectares (101,802 acres) or 412 square kilometers. This area is slightly less than indicated in versions of the Management Plan previous to 2017 and this is due to an assessment by JCDDT in conjunction with the Forestry Department, of the National Park boundary which was finalized in 2017 and was conducted in response to queries regarding the correctness of the boundary. The assessment compared the boundary which had been in use prior to the new draft 2017 – 2027 Management Plan with the boundary of the National Park based on the legally gazetted description (Figure 1). This process which included obtaining early cadastral maps/record showed that the former boundary map that was being used for the National Park included some additional areas of Forest Reserves immediately adjacent to the actual Park boundary (Figure 1).

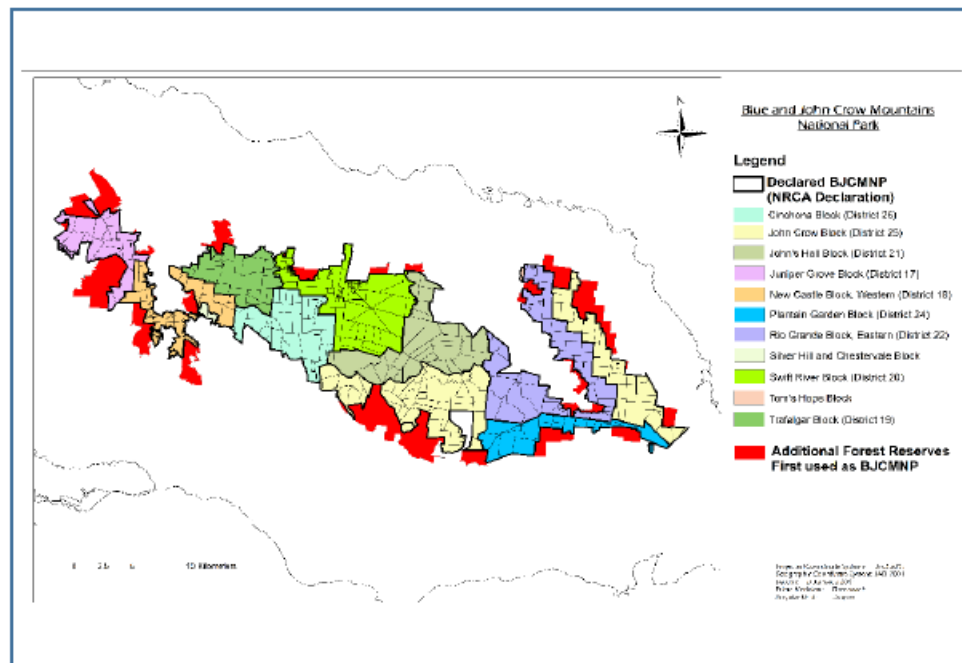


Figure 1 – Boundary of gazetted National Park and additional Forest Reserves adjacent

When the World Heritage Site was nominated in 2014, the old map was still in use and the Jamaica National Heritage Trust (JNHT) declared all the land within that map and also the Rio Grande Valley – between the Blue and the John Crow Mountain ranges as Protected National Heritage. We now know that the National Park boundary that was used contained the actually gazetted area plus

adjacent Forest Reserves as shown above. The World Heritage Site boundary was based on satellite imagery analysis to identify the most pristine forest (closed broadleaf) and the location of cultural heritage sites and is 26,252 hectares.

The most recent version of the satellite imagery analysis was not released until 2015 and this has been used along with the correct version of the National Park map to update the Preservation Zone. This means that the National Park's Preservation Zone which is 26,615.35 hectares is no longer exactly the same as the World Heritage Site. The latter however continues to be fully buffered within the Protected National Heritage boundary (Figure 2). All the maps being used in Blue and John Crow Mountains National Park and World Heritage Site Management Plan 2017 - 2027 are based on the corrected National Park Boundary.

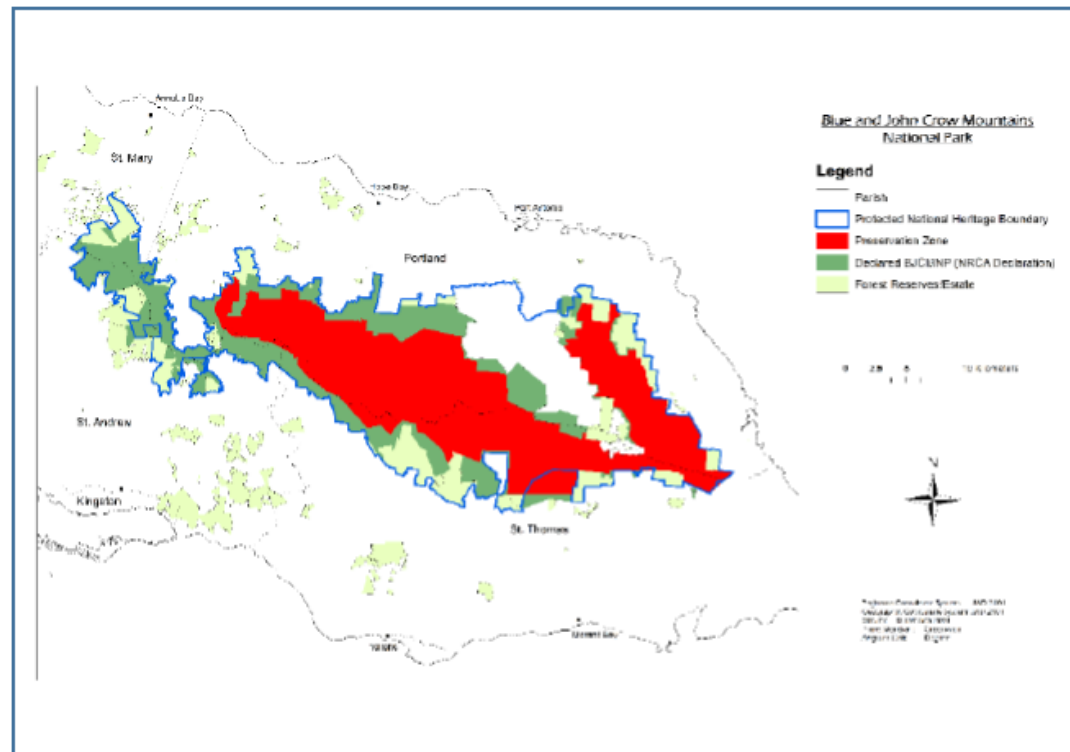


Figure 2 – Boundaries of the protected areas in the Blue and John Crow Mountains



Whilst there are multiple protected area designations for the Blue and John Crow Mountains region, the National Park and the Blue Mountains Forest Reserve are managed as IUCN Category II<sup>1</sup>. These two protected areas are contiguous and contain all remaining closed broadleaf or “primary” forest in the area and some disturbed broadleaf forest – mostly forest that had been disturbed prior to legal protection and which is recovering or being restored. This area is defined as the National Park’s Preservation Zone and covers 65% of the National Park and includes the inscribed World Heritage Site (64%). Around the Preservation Zone is the National Park’s Conservation Zone aimed at restoration and a few Recreation Areas or zones. The western section of the National Park had been converted to Caribbean Pine and later Blue Mountain Coffee prior to designation and is the General Use Zone (occupying less than 10% of the Park) and managed mainly for sustainable agriculture. Outside the boundary of the National Park, much of the area is Protected National Heritage and/or other Forest Reserve. The Rio Grande Valley occupied by communities with private lands used for housing and agriculture is within the Protected National Heritage declared by the JNHT to protect the cultural heritage and associated natural heritage through sustainable use. The land use or vegetation cover map (Figure 3) below (based on Forestry Department satellite imagery analysis from 2013 and published in 2015) shows that the majority of the Blue Mountains and the John Crow Mountains are covered by “closed broadleaf forest” (in dark green) with a few patches of disturbed broadleaf forest (in orange).

Figure 3 – Land Cover Map for the Blue and John Crow Mountains (based on Forestry Dept., 2015)

<sup>1</sup> As per the Draft National Forest Management and Conservation Plan, 2017 and National Park Management Plans since 2005

National Park management has been delegated by the responsible government entity (Natural Resources Conservation Authority – NRCA) responsible for national parks to the Jamaica Conservation and Development Trust (JCDT). The JCDT is a registered not-for-profit company and charity and as the most active and geographically focused of all the relevant entities on the ground, manages the National Park and World Heritage Site including coordination through its organisation of committee meetings etc. The JCDT has completed management planning review and consultations including a review of the first draft of the 2017 – 2027 Plan and the second draft has been submitted to the relevant government agencies for review towards approval.



Blue and John Crow Mountains National Park (BJCMNP) - Nominated Property & Buffer Zone 3 Year Joint Work-plan (January 2015 – December 2017)

In providing a 3 year work plan for the Blue and John Crow Mountains National Park, in which is contained both the inscribed property and the buffer zone, the Co management committee determines that it has adequately provided for the management of all aspects of the nominated area and its buffer zone in respect to the preservation of the cultural and natural heritage of the Blue and John Crow Mountains.													
BJCMNP Programme of Activities	2015				2016				2017	Expected Outputs/Outcomes	Responsible Agency & Officer/Implementing Officer(s)	Funding	STATUS
	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8					
<b>ENFORCEMENT &amp; COMPLIANCE PROGRAMME</b> – Whilst the BJCMNP Rangers employed to the Jamaica Conservation and Development Trust (JCDT) are the core team; Forestry Department (FD also conduct patrols to monitor incidents of encroachment and compliance with notices served. Ideally, the number of Park Rangers should be 15 but currently there are 6 persons employed. To rectify the shortfall, The Government of Jamaica through the Ministry of Culture, Gender, Entertainment and Sport will ensure that the additional Park Rangers are in place. The intention is to use some of these funds to employ Rangers from the Maroon community and to provide stipends for community assistance e.g. Accompany Rangers on patrol near their communities. The National Environment and Planning Agency (NEPA) has a team of Enforcement Officers and these are called on as needed to implement enforcement action.													
<b>Objective 1: Increase level of presence and effectiveness of Enforcement Officers</b> – by patrolling property, sharing personnel, conducting training and increasing number of Rangers										<b>Outcome:</b> Decrease in illegal activities and (outside the protected area) those harmful to natural and cultural heritage values.			
1.1 Conduct routine patrols										2015 - 2016: 130 patrols/yr 2017: 140 patrols/yr N.B.: FD conducts additional patrols	JCDT: Chief of Corps (C/Corps) & Park Rangers Corps, FD	Funded: NEPA	2015: 125 patrols 2016: 108 patrols 2017: 140 patrols 31/09/18: 130 09/2016 – 12/2017 FD: 795 patrols
1.2 Organise Joint Agency Patrols										1.2 At least 1 Joint Agency Patrol/mth - shows strength of unity and numbers	FD & JCDT: C/Corps liaises with other agencies	Funded: NEPA & FD	2015: 33 joint 2016: 17 joint 2017: 28 joint 31/09/18: 14 joint
1.3 Organise patrols during “off” hours										2015 – 2016: At least 6 “off” hours patrols/yr ; 2017: At least 10	JCDT: C/Corps, Park Ranger Corps	Funded: NEPA	2015: 3 early morning patrols – warning notice on encroaching farmers; 2016: 2 2017: 4 31/09/18: 0
1.4a Prepare Training Manual										2015: Training Manual Draft finalised by Sept 30, 2015	JCDT: C/Corps liaising with other agencies	Funded: NEPA	Finalised 2017 & used 2018
1.4b. Conduct training sessions										2015: At least 5 sessions e.g. First Aid & CPR, legislation(NEPA/FD) & field skills (JDF)	JCDT: C/Corps	Funded 2015: Forest Conservation Fund (FCF)	2015: 11 sessions including listed 2016: 7 sessions 2017: 3 sessions 2018: 5 including bird monitoring &



Blue and John Crow Mountains National Park (BJCMNP) - Nominated Property & Buffer Zone 3 Year Joint Work-plan (January 2015 – December 2017)

BJCMNP Activities	Programme of	2015				2016				2017	Expected Outputs/Outcomes	Responsible Agency & Officer/Implementing Officer(s)	Funding	STATUS
		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8					
														exchange with 2 NP Rangers to Bavarian Forest National Park, Germany
1.5 Employ additional Park Rangers											1.5 At least 2 suitably qualified full-time Rangers of Maroon heritage & funds for community Ranger honoraria	Ministry of Culture, Gender, Entertainment and Sport (MCGES)	Funded by Government of Jamaica (GOJ)	2018: JCDT has sourced funds for 2019 & 2020.  GoJ has budgeted funding support
<b>Objective 2: Address &amp; Resolve breaches of legislation</b> - JCDT Park Ranger Corps observe, warn & report breaches; FD &/or NEPA or JNHT Enforcement & Legal Officers investigate & take legal action including prosecution as needed.											<b>Outcome:</b> Decreased illegal and threatening activities			
2.1 Record threats & offences from patrols											2.1 Monthly Report & Map	JCDT: C/Corps	Funded: NEPA	All Monthly maps prepared  <b>FD:</b> 25 Notices of Contravention were served  24 of the 25 Notices had full compliance and 1 had partial compliance.  -Two (2) Notices to Quit were served. One (1) had full compliance and the other was not resolved as the offender had applied to NLA

Blue and John Crow Mountains National Park (BJCMNP) - Nominated Property & Buffer Zone 3 Year Joint Work-plan (January 2015 – December 2017)

BJCMNP Activities	Programme of	2015				2016				2017	Expected Outputs/Outcomes	Responsible Agency & Officer/Implementing Officer(s)	Funding	STATUS
		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8					
														for a Lease; this was confirmed with NLA.
2.2 Report breaches to NEPA, FD &/or JNHT											2.2 Reports, Emails &/or Letters to relevant agency	JCDT:C/Corps	Funded: NEPA	All incidents reported
2.3 Investigate & Take legal action											2.3 Legal Reports	NEPA, FD or Jamaica National Heritage Trust (JNHT): Legal Officers	Funded: NEPA, FD & JNHT	<b>FD:</b> A total of 152 offences were detected for the period.  September 2016:1 matter was successfully prosecuted. One (1) person was charged with cutting trees in the Hermitage block of the Blue Mountain Forest Reserve. The following penalties were levied: Fine- \$200,000 and 100 hours of community service.  <b>NEPA:</b> Breaches under the NRCA (Permits and Licences) Regulations

Blue and John Crow Mountains National Park (BJCMNP) - Nominated Property & Buffer Zone 3 Year Joint Work-plan (January 2015 – December 2017)

BJCMNP Activities	Programme of	2015				2016				2017	Expected Outputs/Outcomes	Responsible Agency & Officer/Implementing Officer(s)	Funding	STATUS
		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8					
														Breach Notices: 4; Warning letters – 2; Notice of intention to suspend – 1  Breaches under the NRCA Act:  Cessation order - 1; Breach notice - 1
<b>Objective 3: Improve Boundary Clarity in the Field</b> – whilst the boundaries are clear on maps and with use of GPS units are used, they are not clear in the field/on the ground.											<b>Outcome:</b> Reduction in encroachment of National Park boundary			
3.1 Liaise with NEPA/FD/JNHT re: boundary clarification & demarcation including Inscribed property and zones											2015: Plan for improved boundary demarcation by August, 2015 2016: Plan implemented by June, 2016	Park Manager NEPA/FD/JNHT	Funding – Co-management committee agencies	2016: updated boundary map. Boundaries clarified with all key stakeholders 2017 - 2018: Marking of 9km NP boundary - Abbey Green to Cinchona - area known to have encroachment. Use of ribbon of trees and small signs and community outreach.
3.2 Conduct mapping & marking (signage) of key sites adjacent to Park boundary											2015: Maps (2) and signage – Holywell Back Road (Communities: Free-town/Woodford to Norbrook). Different areas each year.	Park Manager C/Corps	Small Grants & Sponsorship being sought for signs	2017 - 2018: Funding received in 2017 In addition to 9km; work also

Blue and John Crow Mountains National Park (BJCMNP) - Nominated Property & Buffer Zone 3 Year Joint Work-plan (January 2015 – December 2017)

BJCMNP Activities	Programme of	2015				2016				2017	Expected Outputs/Outcomes	Responsible Agency & Officer/Implementing Officer(s)	Funding	STATUS
		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8					
														near boundary with Moore Town & Ginger House.
<b>Objective 4: Community Outreach &amp; Involvement</b> – Encourage & facilitate involvement of local community members in addressing illegal and threatening activities.											<b>Outcome:</b> Increased involvement of local community members especially Maroons.			
4.1 Rangers liaise with communities											April 2015 on: Rangers stop in communities 2/mth and record of interaction documented	JCDT: C/Corps & Park Rangers	Funded: NEPA	Community stops 2015: 12 2016: 8 2017: 47 (386 people spoken to) 09/2018: 24 (861)
4.2 Liaison system operational (HQ cell phone & # circulated via business card)											March 2015: Telephone Records indicate that community members call to provide information	JCDT: C/Corps & Receptionist	Donation obtained for phone & business cards	System operational
4.3 Rangers assist with implementation of all other Programmes											5. Park Management Programmes implemented	JCDT: Park Manager	Funded: NEPA	Rangers assist in implementing all programmes
4.4 Community meetings with FD, NEPA and JNHT in conjunction with JCDT											Meetings occur separately or together dependent on the nature	FD/NEPA/JNHT/JCDT		See Education & Governance Programmes
<b>NATURAL HERITAGE CONSERVATION PROGRAMME</b> –To maintain and enhance remaining area of closed broadleaf forest and the flora and fauna of the BJCM. JCDT conducts invasive species control and native species forest rehabilitation and the Forestry Dept. conducts reforestation inside and outside the protected area boundary.														
<b>Objective 1:</b> Between 2011 – 2015 rehabilitate and maintain at least 120 ha of degraded forest in shale & limestone areas. N.B.: Community members implement the reforestation and some of the invasive species control under Park Ranger/FD personnel supervision.											<b>Outcome:</b> Increased forest cover and reduced invasive species.			
(a) Conduct Reforestation											2015/JCDT: At least 8ha in Cinchona & 10ha at Sherwood (private land adjacent to National Park) 2015/FD: Start on 100ha	JCDT: C/Corps, Administrative (Admin) Manager, Park Rangers, FD	JCDT: FCF & private sector FD:GEF/IDB/GOJ project	<b>JCDT:</b> 2015: 2ha at Cinchona & 8ha at Sherwood. 2016: 2.5ha at Sherwood 2017: 1.2ha at Seaward Mtn 2018: 0 2.5ha at Sherwood

Blue and John Crow Mountains National Park (BJCMNP) - Nominated Property & Buffer Zone 3 Year Joint Work-plan (January 2015 – December 2017)

BJCMNP Activities	Programme of	2015				2016				2017	Expected Outputs/Outcomes	Responsible Agency & Officer/Implementing Officer(s)	Funding	STATUS
		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8					
														<b>FD:</b> 44.83ha of denuded lands were reforested as follows: - Bowden Pen-2.45ha - Windsor Castle under the IDB/GEF Project-20.89ha - Fish Brook-13.6ha - Old England-0.5ha - Halberstadt-3.78ha - Spring Pen-3.61ha
(b) Maintain acreage planted in previous years											1.1bi JCDT: Maintain 22ha in B/Zone 1.1bii FD: Maintain over 50ha in B/Zone	1.1bi JCDT: C/Corps, Admin Manager. Park Rangers 1.1bii FD	JCDT: FCF, & private sector FD: GEF/IDB/GOJ	<b>JCDT:</b> All reforested lands maintained <b>FD:</b> 108.34 of forest plantations were maintained as follows: - Windsor Castle under the IDB/GEF Project-29.02ha - Cottage Gap-0.75ha - Bellevue-4.39ha - Grays Inn-11.34ha - Cinchona-1.99ha



Blue and John Crow Mountains National Park (BJCMNP) - Nominated Property & Buffer Zone 3 Year Joint Work-plan (January 2015 – December 2017)

BJCMNP Activities	Programme of	2015				2016				2017	Expected Outputs/Outcomes	Responsible Agency & Officer/Implementing Officer(s)	Funding	STATUS
		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8					
														<div>- Clydesdale-7.96ha - Halberstadt-9.53ha - Mt. Prospect-2.5ha - Rose Hill-15.45ha - Fish Brook Estate-21.67ha - Mt. Prospect-3.74ha  <u>Fire lines established/main tained</u> 33.41km of Fire lines were established/ maintained as follows: - Windsor Castle under the IDB/GEF Project-7.15km - Chesterfield-1.96km - Bellevue/ Brownfield-2.1km - Shantamee -5.45km - Chesterfield-10.65km - Newton-1.21km - Halberstadt-1.12km</div>

Blue and John Crow Mountains National Park (BJCMNP) - Nominated Property & Buffer Zone 3 Year Joint Work-plan (January 2015 – December 2017)

BJCMNP Activities	Programme of	2015				2016				2017	Expected Outputs/Outcomes	Responsible Agency & Officer/Implementing Officer(s)	Funding	STATUS
		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8					
														<div>-Spring Dunrobin-1.49km - Grays Inn-2.28km  <u>Roads and Trails</u>  80.42km of Roads and Trails were maintained as follows: <input type="checkbox"/> Cottage Gap-14.23km <input type="checkbox"/> Rowlandsfield-7.2km <input type="checkbox"/> Adam Brandon-7.85km <input type="checkbox"/> Juno Pen-0.5km <input type="checkbox"/> Rose Hill-13.74km <input type="checkbox"/> Cambridge Backlands-15.28km <input type="checkbox"/> Ecclesdown-8.44km <input type="checkbox"/> Grays Inn-5.2km <input type="checkbox"/> Spring Bank-0.56km <input type="checkbox"/> Lancaster-1.81km <input type="checkbox"/> Oatley-3.27km <input type="checkbox"/> Halberstadt-2.17km <input type="checkbox"/> Clydesdale-0.17km</div>

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		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8					
(a) Mt. Horeb/Fairy Glade - Wild Ginger Control Find alternative disposal											Maintain existing 6.65ha; Add 1ha. Disposal alternative e.g. composting by April.	JCDT: C/Corps, Park Manager & Rangers	FCF	2018: Controlled additional 1 ha
(b) Blue Mtn. Peak Trail – Check 2/yr & Remove Wild Coffee – <i>P. undulatum</i>											1.2b Peak Trail clear of <i>Wild Coffee</i>	JCDT: C/Corps, Park Manager & Rangers	FCF	– 2016 - 2018: Blue Mtn Peak Trail maintained clear of Wild Coffee above Abbey Green
(c) Holywell ( <i>assorted invasives controlled</i> )											1.2c H/well: Dick's Pond Trail & Freetown Rd clear of W/Coffee	JCDT: C/Corps, Park Manager & Rangers	FCF & private sector	2016 – 2018: Areas maintained
(d) Cinchona – Wild Coffee											1.2d Selected site clear of W/Coffee	JCDT: C/Corps, Park Manager & Rangers	FCF	Recognised this project will need special funding
<b>Objective 2:</b> Propagate and supply native & endemic species for rehabilitation/reforestation											<b>Outcome:</b> At least 18ha in Buffer and Community Buffer Zone with improved biodiversity			
2.1 Propagation of native, broadleaf species for forest rehabilitation											2.1a At least 12,000 native and other seedlings for forest rehabilitation* 2.1b Complete fixing of nursery at Holywell	JCDT: Park Manager, C/Corps & Rangers	FCF & Recreation Pathways	2015: 9,000 2016: 7,193 2017: 2,604 2018: 1,000
2.2 Propagation & sale of lumber, landscaping & other commercial species to help sustain natives' production											2.2 Produce & sell at least 1,500 plants to help support nurseries	JCDT: Admin Manager, Nursery Worker	FCF & Recreation Pathways	Approximately 50% seedlings sold
<b>Objective 3:</b> Promote & facilitate research that will inform/assist Park management/conservation											<b>Outcome:</b> Increased information for Park management/conservation			
3.1 Prepare outlines based on Management Plan Research Prospectus											3.1 Outlines for at least 10 priority projects from Research Prospectus sent to 2 universities and posted on website annually	JCDT: Park Manager, Conservation Science Officer	JCDT	2017: Sourced funds for Jamaican Hutia Assessment and 2 Forest Assessments 2018: Initiated work. Established relationships with Chatham University,

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		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8					
														Pennsylvania & University of Toronto. Began Viburnum (Adoxaceae) research; Lichen research; Mecranium (Melatomataceae) research
3.2 Examine & reply to all research applications sent by NEPA & direct email to researchers re: 3.4 and 3.5.											3.2 Reply to all research applications	JCDT: Park Manager, Conservation Science Officer (CSO)	JCDT	Applications: 2015: 4; 2016:0 2017: 3 2018: 5
3.3 Maintain & promote Research Data-base											3.3 Updated Research Data-base	JCDT: Park Manager, CSO	JCDT	Data-base updated
3.4 Write requesting to work with/assist researchers in the field											3.4 At least 2 field sessions with researchers	JCDT: Park Manager, CSO	JCDT	Rangers assisted researchers 2016: Black-capped Petrel radar survey: more surveys to be done 2017: 0 2018: Floral and Anolis assessment
3.5 Repatriation & use of research results											3.5 Obtain papers from at least 2 researchers	JCDT: Park Manager, CSO	JCDT	Documents received through NEPA and Institute of Jamaica
3.6 Participate in relevant national committees											3.6 Committee meeting attendance	JCDT: Park Manager or others as appropriate	JCDT	On-going
3.7 Promote work through											3.7 At least one publication and/or presentation per year	JCDT: Park Manager or other as appropriate	JCDT	2016: 0

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publications & participation in conferences etc.													2017: Paper at UWI Imagine Kingston Conference, 2018: Paper at Martinique Conference re: WHS. Seminar on research in the BJCM – Dec 4, 2018
3.8 Conduct field visits to record & collect species for national data-base										3.8i At least 2 field trips/annum 3.8ii Increased species data on the BJCMNP	Natural History Museum of Jamaica (NHMJ) staff in liaison with JCDT	Funding Government of Jamaica	2016/2017: 0; 30/092018: 6 studies conducted re: flora & fauna e.g. lichens, <i>Viburnum</i> sp., <i>Anolis</i> sp. <i>Mecranium</i> (Melatomataceae) research and Jamaican Hutia
<b>Objective 4:</b> Implement specific programmes for conservation targets as information becomes available. Conservation knowledge suggests that conservation of the forest ecosystems will help ensure conservation of flora and fauna species and so this has been the focus of most conservation actions. However, as specific information becomes available, it will be used to enhance conservation of targets e.g. epiphytic communities, headwater ecosystems, forest birds, Jamaican Hutia, Boa and Giant Swallowtail Butterfly.										<b>Outcome:</b> Improved conservation of targeted species and faunal groups.			
4a. Identify any additional steps to better conserve the Park's conservation targets and implement as possible										4a. Reports	JCDT: Park Manager	Dependent on funding currently being sought or response from universities	2018: Funding from GEF-SGP: Forest Assessment work at 2 sites will result in site specific conservation plants; Jamai-



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		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8					
														can Hutia Study initiated. JCDT contracted a Conservation Science Officer 15/09/18 – responsible for Natural Heritage Conservation and Monitoring & Evaluation Programmes
4b. Implement parrot and coney surveys as possible											4b. Report	JCDT: Park Manager	Funding being sought: Whitley Fund for Nature	2016: Night vision binoculars and cameras sourced for coney surveys 2017: funds approved; 2018: Jamaican Hutia Survey initiated camera traps etc. purchased and set; first data retrieved Oct, 2018.
<b>CULTURAL HERITAGE PRESERVATION PROGRAMME</b> – aims to preserve and conserve the tangible and intangible heritage of the nominated property and its buffer zone (National Park) and the Protected National Heritage in the Rio Grande Valley and satellite Maroon communities. It is a joint effort guided by the Windward Maroon Councils through Maroon Advisory Committee & implemented by Maroon Councils with assistance from JNHT, JCDT, African Caribbean Institute of Jamaica (ACIJ) and Jamaica Intellectual Property Office (JIPO).														
<b>Objective 1:</b> Facilitate the preservation of the tangible cultural heritage of the Windward Maroons e.g. sacred and battle sites, trails, springs, ancestral towns and villages and current sites.											<b>Outcome:</b> Sites and trails are preserved because of studies and documentation leading to increased knowledge ability to preserve the sites.			
1.1 Site Surveys – 2015 – identify 5 sites 2016 – identify 6 sites 2017 – identify 3 sites											1.1 Reports including GIS coordinates, survey and mapping Inventory records ; 14 sites identified and surveyed	JNHT with Maroon Cultural Assistants	Funding – MCGES/JNHT	2018: Site Surveys – two (2) new sites have been identified and are being added to the inventory

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		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8					
														of sites which includes coordinates. The sites are: <ul style="list-style-type: none"> <li>• Grampian Ruin and Trail</li> <li>• Ladyfield Great House Ruin and Johns Hill trail</li> </ul>
1.2 Site Monitoring – site database created											1.2 Database created and updated regularly	JNHT with Maroon Cultural Assistants	Funding – MCGES/JNHT	On-going
1.3 Site Monitoring– 26 sites and trails to be monitored											1.2 26 Sites and trails are visited on a monthly, 3- month and 6 -month basis based on ease of access	JNHT with Maroon Cultural Assistants	Funding – MCGES/JNHT	Five (5) sites and two (2) trails were visited <u>SITES</u> <ul style="list-style-type: none"> <li>• Moore Town</li> <li>• Charles Town</li> <li>• Scots Hall</li> <li>• Blue mountain Peak</li> <li>• Hayfield</li> </ul> <u>TRAILS</u> <ul style="list-style-type: none"> <li>• Cuna Cuna Pass</li> <li>• Blue Mountain Peak trail</li> </ul>
1.4 Site Evaluation/Exca- Vation/Research – 3 sites											1.3 3 Site Reports and updated database	JNHT with Maroon Councils	Funding – JNHT	Activities rescheduled for 2019/20
1.5 Workshops/Meetings - Recruitment - Training of Maroon Cultural Assistants – carried out in 3 Maroon communities											1.4 Plans for Monitoring and Management developed Recruited, Trained Maroon Cultural Assistants	JNHT with Maroon Cultural Assistants	Funding JNHT –	Funding provided by MCGES for the tTraining for Maroon Cultural Assistants was

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		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8					
														conducted during September to October 2018. Over 10 Maroons from 3 Maroon communities and 2 Park Rangers trained.
1.6 Purchase of Equipment											1.5 Equipment for Monitoring & Management, excavation	JNHT with Maroon Councils	Funding MCGES	- ARC GIS 10 and cloud free satellite images of the BJCM obtained to be utilized in the monitoring and spatial mapping of heritage sites in the WHS.
1.7 Site Development											1.6 Plan created; implementation within 2016/2017 financial year	JNHT with Maroon Councils	Funding MCGES	- Initial discussions with Maroons has started re development of Nanny Falls. Meeting with all the maroon communities in regards to site development is pending.
1.8 Guidelines for Development and Operations of Trails and Sites											1.7 Comprehensive Set of Guidelines for Development and Operations of Trails and Sites within the BJCM PA, with details for key sites.	JCDT	Funding - Ministry of Tourism (Tourism Enhancement Fund (TEF))	2018: Funding sourced and work started but will not be complete until 2019.

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		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8					
1.9 Develop a plan for site development, maintenance and conservation of the tangible cultural heritage											A detailed plan will be developed	Maroon councils JNHT/ACIJ/JCDT	JNHT	The Blue and John Crow Mountains Preservation Scheme was completed and approved by the JNHT Board of Trustees. BJCM Preservation Scheme slated to be published in Dec. 2018
<b>Obj. 2: Intangible Heritage:</b> Facilitate the preservation of the intangible heritage of the Windward Maroons – building on the work already implemented on the project ACIJ implemented with the Moore Town Maroon Council following proclamation of their Intangible Heritage as a Masterpiece of Humanity which included documentation and training.											<b>Outcome:</b> Preservation of the intangible cultural heritage of the Windward Maroons including music, dance, language, cuisine, use of herbs, governance, religious and other practices.			
2.1 Research (see below)											See Research (below)	ACIJ with Maroon Councils	Funding MCGES -	Research paper, Sound as Memory: African Continuities in the horn traditions of Jamaica and the Dutch Caribbean prepared. Research paper, Intangible Cultural Heritage in the BJCM: The Kromanti Play  Research carried out to inform the information booklets and storyboards

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		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8					
														created for travelling exhibition on BJCM as well as on the Maroons of Jamaica funded by GoJ and UNESCO
2.2 Organise 2 community meetings and a workshop to develop formal strategies to promote, inventory and preserve intangible heritage including the development of a tool for monitoring & evaluation											Workshop Report and Strategy for Promotion & Preservation of Windward Maroon Cultural Heritage including a Tool for Monitoring.	ACIJ with Maroon Councils, JNHT & JCDT	Funding - MCGES	A workshop on drum making, for the Charlestown community, was also staged on September 26, 2015 funded by UNESCO
<b>Objective 3:</b> Promote awareness & appreciation of the cultural heritage of the Windward Maroons and its connections with the natural heritage of the Blue & John Crow Mountains.											<b>Outcome:</b> Pride and increased protection of both natural and cultural heritage. Increased public participation in festivals and tours.			
3.1 Assist Maroon Councils with organisation and sponsorship of festivals (4) & events											Festivals successfully held & documented	GOJ, ACIJ and JCDT with Maroon Councils	Funding being sought from private sector & TEF	Funding & promotional support for 3 annual Maroon festivals. Funding from MCGES, ACIJ, JCDT
3.2 Develop & Implement Educational & Interpretive tour packages											2015: Tour packages detailed; Visitors Centre at Ambassabeth improved. 2015/16: MOUs – JCDT & Councils Additional Marketing.	JCDT with Maroon Councils	JCDT	2018: Funds sourced and work started on product development and improvement.
3.3 Improve facilities for tours in communities e.g. bathrooms											2015/16: Improvements at Scots Hall, Hayfield & 2016/17: Moore Tow	JCDT with Maroon Councils	Funds: TEF	2018: Bathrooms improved at Moore Town – JCDT/GIZ funded. Plans being made for



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		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8					
														Hayfield Rest Stop.
<b>Objective 4:</b> Promote, facilitate and conduct research to inform management and aid preservation of the cultural heritage and connections with the natural heritage											<b>Outcome:</b> Improved conservation of cultural heritage with increased knowledge, information, documentation and dissemination of information.			
4.1a Conduct research e.g. interviews with Elders re: In-tangible cultural heritage (ICH)											4.1ai. 10 Oral History Interviews recorded 4.1aii. Research Report	ACIJ with Maroon Councils	Funds MCGES	- Research around the Prentin drum amongst other aspects of the musical traditions  Conducted 6 interviews in Mooretown
4.1b Authenticate, Archive & Document Intangible cultural heritage											4.1b. A/V documentation of (i) Nanny Day celebrations in Moore Town (ii) Asafu Yard in Charles Town (iii) Expand the existing electronic archives of Mooretown Library & the Jamaica Memory Bank	ACIJ with Maroon Councils	Funds MCGES	- Documentation was done in Moore Town to enhance the archives of the ACIJ/JMB & Moore Town community libraries
4.1c Dissemination of information											4.1ci. Print brochures on the:- (a) intangible cultural heritage of the BJCM region (b) Safeguarding the intellectual property of the Windward Maroons & the cultural & bio-diversity of the BJCM region (c) Tangible cultural heritage of the BJCM 4.1cii. Use of radio and TV to promote Windward Maroon ICH	ACIJ with Maroon Councils	Funds MCGES	- Prepared and printed a total of 500 copies of The Blue & John Crow Mountains World Heritage Site: Activity Booklets; Distributed: 286 copies - Prepared and printed a total of 600 copies of The Blue and John Crow Mountains (BJCM) World

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		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8					
														Heritage Site Handbooks; Distributed: 450 copies -Curated a major exhibition entitled, "The Blue and John Crow Mountains: Jamaica's First World Heritage Site" in the ACIJ/JMB library – February 2016 – July 2016 -Mounted several displays on the BJCM -Published articles on The Blue and John Crow Mountains World Heritage Site in the print media
4.1d Create cultural landscape Map indicating tangible and intangible heritage											Facilitate collaborative meetings Create map by Q6 of 2016 and continue to update	ACIJ and JNHT with Maroon Councils		Story map in preparation, almost complete, awaiting photos
4.1d Equipment											4.1d Purchase equipment: - 1 HD video camera, 1 digital still camera, 1 TB hard drive	ACIJ with Maroon Councils	Funds MCGES -	Purchased through UNESCO funding: 2 computers, 2 hard drives, projector and Screen, Digital

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														Camera to assist with the documentation and public awareness of the project to safeguard the ICH of the BJCM as a world heritage site
4.1e Outreach/Capacity Building											4.1e Conduct community presentations on the safeguarding of intellectual property of the Windward Maroons in Moore Town, Charles Town & Scott's Hall Conduct community presentations on the preservation of the trails, archaeological and sacred sites	ACIJ with Maroon Councils, JNHT & JCDT	Funds MCGES	- <b>ACIJ:</b> Staged 20 educational sessions were held including schools situated in the protected area including regarding the maroons and the BJCM: 12 focusing on the BJCM WHS as a whole, while 8 focussed on the ICH of the Maroons  ACIJ/JMB's Education Outreach Officer participated in a Training of Trainers workshop on the Blue and John Crow Mountains.

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														<p><b>JCDT 2018:)</b></p> <p>- organised work-shop at Charles Town re: Indigenous Knowledge and IP, attended by all 3 Maroon communities.</p> <p>-Funds sourced by JCDT from South Africa/ Jamaica Scientific &amp; Technical Cooperation for research on IKS in Maroon communities re: environmental management, knowledge and agrobiodiversity . This includes establishing a relationship with the University of Zululand and the Ukhalhamba Drakensberg WHS – visit 10/18.</p> <p>- Funds sourced by JCDT from the GEF SGP for Jamaican Hutia Assessment as</p>

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														requested by the Moore Town Maroon Council. This is a nationally protected species which the Maroons used to hunt and which they say is now damaging crops.
<b>MONITORING &amp; EVALUATION PROGRAMME</b> – This programme aims to track and record both the threats and the changes to ecosystem health, so that it is possible to assess whether or not the BJCMNP is achieving its over-arching conservation goal. Except for Forest Cover monitoring, this work is implemented by JCDT with the collaboration of experts in each field.														
<b>Objective 1:</b> Track, record & mitigate threats from resource use within the National Park.											<b>Outcome:</b> Information to guide mitigation and reduction of threats.			
1.1 Collect & Enter Information from Patrols											1.1a. Information in Monthly Patrol Reports 1.1b. Annual Threats & Offences Map	JCDT: C/Corps	NEPA	Ongoing - maps prepared
1.2 Conduct Permanent Point Photo-monitoring											1.2a. Photos of at least 10 of 12 sites 1.2b. Report on Comparison of photos	JCDT – C/Corps	NEPA	2015: 9 sites 2016: 9 sites 2017: 0 sites (camera not functional); 07/18: new camera & 25/10/18: 4 sites
<b>Objective 2:</b> Monitor populations of key, threatened species – Giant Swallowtail Butterfly, Jamaican Coney and Jamaican Boa.											<b>Outcome:</b> Information to help assess population STATUS.			
1. Record all sightings etc. from patrols, monitoring & communities using GIS											2a. Records in Monthly Patrol Reports 2b. Annual Map	JCDT	NEPA	On-going
<b>Objective 3:</b> Monitor forest cover and encroachment.											<b>Outcome:</b> Improved information to guide management and enforcement			
3.1 Seek funds for JDF Helicopter Monitoring											3.1 Proposals & Funds	JCDT	Funds to be sought from TEF	2018: Funding sourced (GEF SGP) – Drone purchased;

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														Training to be conducted and procedures prepared. Plans being made for helicopter assessment early 2019
3.2 FD completes analysis of Satellite imagery analysis done under EU Project 2013.											3.2 Forest Cover information updated	FD	FD: GOJ/GEF/IDB Integrated Management of the Yallahs Hope Watersheds Project	2018: Ground-truthing of FD satellite imagery analysis at 2 sites: Moore Town and Ginger House – Bellevue. (GEF SGP). Next Land Use analysis is to be conducted in 2023.
<b>Objective 4:</b> Monitor quality of freshwater ecosystems											<b>Outcome:</b> Information to guide management of freshwater ecosystems			
4a Sample sites in both dry and wet seasons 4b Update monitoring approach & data collection; Analyse data; Prepare Report. 4c. Finalise Reports for previous years											4a. 12 sites sampled (May/Nov)  4b. Annual Monitoring reports  4c. Finalised Reports by March annually	JCDT – C/Corps & Rangers	NEPA	2015: 11 of 12 sites sampled 1/yr 2016 – 2017: 0 2018: updating of programme and 8 sites done in dry weather & 4 in wet – water samples to NEPA.
<b>Objective 5:</b> Monitor bird distribution in the BJCMNP – one area/year – 5 year cycle around the Park.											<b>Outcome:</b> Information to guide conservation of birds			
5a. Establish & monitor points for Summer Season: one of 5 established areas 5b. Establish and monitor points for Winter Season in the same area											5a. Monitor all 120 points for Summer annually  5b. Monitor all 120 points for Winter annually	JCDT	Partially funded; JCDT seeking small grant or sponsorship	2016: Monitored 120 points for summer & Winter & collated data 2017: None – work started on



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5c. Analyse data and Prepare Reports (including any climate change findings)												5c. Annual Reports produced			data analysis. 2018: Data analysis over 8 years completed; bird monitoring training conducted with new Conservation Science Officer and NP Rangers (16 – 20/10) and new protocol designed with help from American Birds Conservancy.
<b>EDUCATION &amp; PUBLIC INVOLVEMENT PROGRAMME</b> – This programme aims to raise support for conservation of the BJCMNP's natural and cultural heritage and improve resource management and the sustainability of livelihoods, particularly in the communities just outside the Park boundary.															
<b>Objective 1:</b> To facilitate capacity building of at an estimated 120 people in at least 6 communities around the National Park (Buff Bay Valley – including Charles Town, Rio Grande Valley, Millbank & Moore Town – which are Maroon communities) and communities around the Park's recreation areas.												<b>Outcome:</b> Increased support for Park management and increased sustainability of livelihood activities around the National Park.			
1.1 Work with communities to build their technical capacity & implement relevant activities												1.1a. Liaise with CBOs in at least 6 communities to plan activities 1.1b. New sustainable livelihood activities/projects being implemented in at least 2 communities 1.1c Training in monitoring of cultural heritage sites – Maroon Cultural Assistants	JCDT – Education & Community Outreach Officer (ECOO)	GIZ Caribbean Aquatic Terrestrial Solutions (CATS) Project & FCF Capacity Building Project (2015 & 2016)	1.1a Project planning and proposal writing (2017) led to access of funding from the Global Environment Fund Small Grants Programme. (GEF SGP) 2017/18 for two projects (1 JCDT & the other: Maroon communities – Moore Town, Millbank,

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														Hayfield & Windsor 1.1b Sustainable tourism plans being prepared for 4 groups of communities/communities.
1.2 Training of community members especially youth/young adults in sustainable livelihoods											1.2 2015: 3 communities - including Maroons, will receive 3 days training in sustainable agriculture including demonstration plots for practical work. 2015/6: community members will visit Ambassabeth to see a successful community eco-resort.	JCDT – ECOO	GIZ (CATS) FCF Capacity Building Project  MCGES  FD - GOJ/GEF/IDB Integrated Management of the Yallahs Hope Watersheds Project	<b>2016:</b> 6 community training activities: (i) Tour Guiding @ Holywell: 6 youth (26/10 and 29 & 30/12). (ii) Agroforestry: Content Gap (23 & 30/8) & Westphalia (24/8 & 1/9) – 41 farmers participated; 700 fruit & lumber trees and numerous tools distributed. (iii) Ecotourism: 15 people from 5 communities: Content Gap, Claverty Cottage, Woodford, Irish Town, Section/Cascade visited Ambassabeth

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														overnight (18 – 19/8). (iv) 25 people mainly from Maroon communities for Natural & Cultural Heritage Trails: Moore Town (18/5) with Bavarian Forest National Park, JNHT and ACIJ. (v) Economic Opportunities – joint workshop with the Ministry of Culture (11/5) about 50 community members and 90 members of public <b>2017:</b> Implement 2nd Economic Opportunities training workshop in Morant Bay in collaboration with MCGES (18/10). Provide funding and mentorship to 17 entrepreneurs from Maroon

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		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8					
														and other buffer zone communities <b>FD:</b> 10 Forest Fire Management Training sessions with approximately 281 community members within the following areas: Pennlyne Castle, St. Andrew; Windsor Forest/Cedar Valley, St. Thomas; Spring Dunrobin, St. Thomas; Bellevue, Portland; Content Gap (2), St. Andrew; Flamstead, St. Andrew; Bloxburgh, St. Andrew, Westphalia, St. Andrew; and White Hall, St. 2018: Two workshops held with over 30 people each (see above) with funds from GIZ Project.

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														Refreshers conducted under EFJ/FCF Soil Stabilisation Project for communities that have had training previously. Mentoring and funding support for
1.3 Involve community members in Park management activities as far as possible.											1.3 40 (incl. Park staff & Maroon Councils)	Park Manager & Admin Manager	JCDT	25 regularly and 5 for reforestation & 12 for infrastructure repairs. 2016: Management planning workshops: 19 communities & 356 people.
<b>Objective 2:</b> Increase awareness about the BJCMNP's natural and cultural heritage, importance and management in order to increase the level of support for the BJCMNP.											<b>Outcome:</b> Increased awareness and support for conservation of the heritage of the BJCMNP			
2.1 Local Community - Meetings											2.1 At least 10/year re: Park	JCDT - ECOO	FCF	2015: 4 23/8/16: 12
2.2 Social Media 2.2a Website maintained & updated 2.2b Facebook Page 2.2c Media Releases or advertorials 2.2d Participate in exhibitions/mini-expos											2.2a Major Update every two years  2.2b. At least 3 posts/mth 2.2c Coverage – 8 times in print or electronic (+ events) 2.2d At least 3/yr	JCDT – Park Manager	FCF, MCGES	2.2a 2015: WHS Update. 2018: Major revamp & updating. 2.2b Current average: 12 posts/month 2.2c 2016: 7; 2017: 9; 2018: 3 plus radio advertisements.

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														2.2d Exhibits: - 2016: 8; 2017: 6; 15/10/18: 4 World Heritage Day activity Panel discussion with Tertiary institution (18/4)
2.3a Maintain/refresh Visitors' Centre, Holywell											2.3a Improvement/repairs	JCDT – Park Manager	US-DOI Climate Friendly Parks	2017/18: Construction of new building with space for Discovery Centre & preparation of exhibits to be ready 12/18.
2.3b Conduct educational tours as requested											2.3b Provide support as requested	JCDT - ECOO	Self-funded	See Recreation & Tourism
<b>2.4 Buffer Zone Schools</b>														
2.4a Intensive work with schools e.g. help with project											2.4a At least 4/yr	JCDT - ECOO	FCF Capacity Bldg Proj	6 schools
2.4b Visits to buffer zone schools – presentation and activity											2.4b At least 30 schools/yr (all primary level schools around Park)	JCDT - ECOO	FCF Capacity Bldg Proj	<b>JCDT:</b> 2016: 42 schools; 2017 & 18: 0 schools <b>FD:</b> 14 schools were visited within the Blue and John Crow Mountains area.
2.4c Buffer Zone teacher training workshop re: integrating BJCM information & issues into the curriculum											2.4c At least 1 with at least 20 teachers	JCDT - ECOO	FCF Capacity Bldg Proj	2017: 1
2.5 WHS Awareness Campaign (on inscription)											2.5(i) At least 10 comm. mtgs 2.5(ii) Posters/brochures 2.5(iii) PR: Round Table/Articles & Interviews 2.5(iv) TV/Radio Advt.s.	MCGES with JCDT, JNHT, ACIJ, NHMJ, NEPA & FD	Funds being sought from Ministry of Tourism and Entertainment	Completed 2015/16: JCDT:10 community and



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											2.5(v) Newspaper & Magazine Advts (National/Intl. e.g. WH)		(MTE) through the Tourism Enhancement Fund (TEF)	joint agency meetings; Dissemination of 8000 posters and 9000 brochures Numerous PR activities & advertising; Poster, Photo & Essay Competition and exhibitions with NHMJ-IOJ, 2017/2018 <b>JNHT:</b> Heritage month activities, Expos and school visits <b>MCGES:</b> Installation of gateway signs in three gateway parishes – St. Andrew, Portland and St. Thomas – significant media coverage Reprinting of 10,000 brochures
<b>RECREATION &amp; TOURISM PROGRAMME</b> – The goal of this programme is to provide and facilitate the provision of recreational opportunities for local and international visitors using ecotourism and sustainable tourism principles in order to generate income and support for the BJCMNP. The lead on this programme is the JCDT.														
<b>OBJECTIVE 1:</b> Provide and facilitate recreational and educational opportunities geared at raising awareness and support of the BJCMNP, as per existing plans (a Sustainable Tourism Programme which targeted the Maroon communities and those around the Park’s recreational areas, was developed between 2006 – 9, with funding from the IDB) and is being implemented in phases.											<b>OUTCOME:</b> Increased number and quality of tours and facilities			
1.1a Enhance “Tuck-Shop” to Café/Gift Shop											1.1a Enhanced building & café operational	JCDT – Park Manager & Admin Manager	TPDCo/TEF	1.1a Building complete (2018)

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1.1b Improved cabin interiors											1.1b Improved cabins & all facilities			–seeking concessionaire. Tuck Shop opened 07/18. 1.1b Complete
1.1c Internal road works											1.1c Road improvements	JCDT – Park Manager	TPDCo./TEF	Some work done
1.1d Provide educational tours at Holywell											1.1d At least 45/yr	JCDT – ECOO	Self-funded	2015: 43; 2016: 16; 2017: 25; 15/10/18: 18
1.2a Peak Trail & Portland Gap Area Improvements & Refurbishing 1.2b Address user fee non-payment: meet & establish system: guest houses/tour guides											1.2a Urgent trail repairs done by June with existing funding and funds sourced for major improvements – JSIF. 1.2b System in place	JCDT – Park Manager & Admin Manager	Jamaica Social Investment Fund and Tourism Enhancement Fund and Sandals Foundation	2017/18: Major repairs & expansion – increased accommodation New Ranger Station location beside new gate. Improved visitor facilities: new Gazebo & signs. Improvements to shelter at Peak almost complete.
1.3 Establish BM Sustainable Tourism Prog: Park & Community Attractions being marketed & percentage returning to Park management.											1.3a BMST System in place (as per Manual e.g. MOUs with community attractions & tour companies 2016 1.3b Tours & Events marketed	JCDT – Park Manager & Admin Manager working with Maroon & other communities.	Seeking funding: Tourism Coordination & Marketing Officer (TCMO)	2017 – 2018 Tourism & Marketing Officer & improved marketing
<b>Objective 2:</b> Generate income to support park management by increasing income from the National Park's recreational areas and the BM Sustainable Tourism Programme by 150% over 5 years. JCDT is responsible and is so far just below the target despite challenges. The current focus is on improving facilities and increasing the number of things for visitors to spend money on e.g. merchandise, camping equipment rental, additional tours and lobbying government to increase the user fees.											<b>Outcome:</b> Increased income for Park management			
2.1 Improve management & supervision											2.1a Employ Tourism Marketing & Coordination Officer	JCDT – Park Manager	Seeking funds	Tourism & Marketing

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											2.1b Staff meetings at least 3/yr			Officer full-time since 2017
<b>Objective 3:</b> Engender community support for the BJCMNP as well as natural and cultural heritage conservation by facilitating benefits to local communities.											<b>Outcome:</b> Increased community support and involvement for natural and cultural heritage preservation			
3.1a Support for community attractions/ventures & capacity building											See above: 1.3 and Cultural Heritage Preservation and Education & Public Involvement Programmes	JCDT – Park Manager	Jamaica Energy Partners (JEP)	Funding support through JEP and MCGES to communities for annual festivals.
<b>Objective 4:</b> Ensure that recreation and tourism activities do not threaten the National Park's biodiversity, provision of ecosystem services and cultural heritage.											<b>Outcome:</b> Environmental impacts mitigated at recreational areas.			
4.1 Revisit Conservation Management Plans developed under USAID and identify possible improvements. 4.2 Climate & Environmentally Friendly Parks Workshop											4.1 Plan for initiating Conservation Management 4.2a Workshop held and Report with Recommendations produced 4.2b Improvements to environmental sustainability made e.g. composting and recycling of PET bottles.	JCDT – Park Manager	2015 – US DOI Climate Friendly Parks 2017– 2019: GIZ & NMBCA	4.1 Plans being updated – completion by 2019. 4.2 Workshop held & report produced 4.3 continue to implement environmentally sustainable practices
<b>GOVERNANCE AND ADMINISTRATION PROGRAMME</b> – The goal of this programme is to provide efficient, effective and sustained management that will allow the BJCMNP to meet its over-arching conservation and other goals.														
<b>Objective1</b> : Coordinate management at the policy level comprising key public, private sector and community stakeholders – Advisory Committee (meeting twice/year)											<b>Outcome:</b> Improved support from government agencies and private sector			
1. Organise BJCMNP Advisory Committee meetings											1.Meet twice for the year with minutes	JCDT – Park Manager	JCDT, NEPA, MCGES	2016: 2; 2017: 2; 15/10/18: 1
<b>Objective 2:</b> Coordinate management at the operational level through regular meetings of the Co-Management Committee.											<b>Outcome:</b> Improved management efficiency and effectiveness through collaborative approaches.			
2.1 Organise Co-management Committee meetings											2.1 Minutes from 3 meetings/year	JCDT – Park Manager	JCDT, NEPA, MCGES, FD, JNHT	2015: 5; 2016: 5 2017: 4; 15/10/18: 4

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2.2 Organise Maroon Community Advisory Committee Meetings											2.2 Minutes from 3 meetings/year	JCDT – Park Manager	JCDT, NEPA, MCGES, FD, JNHT	2015: 2 2016: 2; 2017: 2; 2018: 2
Liaise with Buffer Zone Community Groups for projects & programmes											2.3 Reports on Joint activities e.g. BPFA	JCDT – Park Manager	JCDT, NEPA, MCGES, FD, JNHT	Ongoing
<b>Objective 3:</b> To provide supervision, project management, financial management and administrative support for the BJCMNP Programmes											<b>Outcome:</b> Improved effectiveness of management			
3.1 Preparation Annual Plans & Reports											3.1a Annual Report & Work Plan by 26/1/16 3.2 Monthly Reports by 15 <sup>th</sup> of each month 3.3 By 21 <sup>st</sup> or 30 <sup>th</sup> of each relevant month 3.4 Meeting notes & coordination  3.5.Project proposals (at least 6/yr totalling US\$250,000); Successful Project Implementation.  3.6. At least 10 Training days  3.7 Opportunities for collaboration increased 3.8 Risk Assessment & Management Plan prepared & Disaster Preparedness/ Emergency Management Plan updated to include protection of cultural heritage	JCDT – Park Manager & Admin Manager	NEPA & JCDT	Prepared: 2016, 2017/18
3.2 Preparation of monthly & bi-monthly Programme Reports														Prepared: see Sept. 2018
3.3 Preparation of project reports														Prepared
3.4 Regular meetings: - 3.4a Programme Management & Rangers' Roster Meetings 3.4b Staff meetings quarterly														Prepared
3.5 Project Development and Management- Develop, Manage & Implement as per Park Plan 3.6. Human Resource Development/Management 3.7 Networking and Collaboration 3.8 Disaster Preparedness, Emergency & Risk Management Plan Updated to include protection of cultural heritage														2016: 11 proposals & 5 app-roved (1 from 2015) for US\$165,973 recurrent & US\$380,000 for capital; 2017: 7 proposals & 4 approved for US\$150,000 recurrent & US\$150,000 projects; 2018: 7 proposals & 4 approved (1from 2016) for about \$150,000 recurrent and US\$100,000 projects.

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														Over 10 dys annually	
														PIOJ Story Map on the BJCM	
														Completed – no further action	
<b>Objective 4:</b> To source short- and long-term funding for Park management through grant funding, government subvention, donations, sponsorship and opportunities through the Recreation & Tourism Programme.											<b>Outcome:</b> Improved funding for the BJCMNP				
4.1 Proposals to NEPA & JNPTF 4.2 Follow up proposals to JSIF re: Peak Trail/Portland Gap 4.3 Proposals to TEF 4.4 Proposals to donors & private sector 4.5 Fundraising events e.g. Blue Mountain Music Festival, World Water Day Lap-a-thon 4.6 Government of Jamaica 4.7 Other											4. Budget need for basic operations and for infrastructural development and plans for improvement for recreational areas and community tourism	JCDT – Park Manager/Executive Director in association with Board, GOJ and other agencies	JCDT	4.1 Annual proposals funded 4.2 JSIF funds received & project completed 4.3 TEF construction projects started 2017 4.4 Proposals being submitted 4.5 2018: very successful – Symphony in the Mountains for 25 <sup>th</sup> Anniversary of the NP 4.6 GOJ funded from NRCA/NEPA Increased funding support to be provided through MCGES	
<b>Objective 5:</b> Ensure adaptive management through monitoring and evaluation of all programmes											<b>Outcome:</b> Improved management effectiveness.				

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	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8					
Through regular reporting and meetings to review implementation of programmes and projects										Reports indicating changes made to improve effectiveness	JCDT – Park Manager	JCDT/NEPA	Ongoing
Review of past 5 years (2011 – 2015) and preparation of new Management Plan using a participatory process and best available knowledge.										Management Plan 2017 – 2021- Inclusion of management components for intangible and tangible cultural heritage (may prepare a 10 year plan) which will reflect an even stronger, integrated, joint approach	JCDT – Park Manager	Part-funding: GIZ CATS Project	Report of 2011-2016 plan completed 2017 – 2027 Draft Management Plan reviewed by all co-management partners and Final document awaiting formal approval.