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Discourses of Wellbeing and Environmental Impact of Trail Runners in Protected Areas in New

Zealand and the United Kingdom

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Abstract

The idea that protected areas (PAs) have both environmental-protection and human-welfare aims seems a relatively straightforward though strained proposition, largely resolved by prioritising conservation activities and restricting human activities. However, it is not a straightforward relationship. PAs are understood as contributing to human wellbeing in the context of the wider promotion of greenspace benefits for human health. Hence, the role of environmental protection may touch on the limits of our positive understandings of the wellbeing benefits of nature. It is for this reason that this study seeks to understand discourses and practices of wellbeing that shape the experiences of the users of PAs, to identify implications for both environmental and wellbeing policies. Focusing on trail runners who actively seek out the experience of 'being in nature' for running, the research examines how participants mobilise and integrate wellbeing and environmental discourses. The study reports on data collected in two separate trail-running events (UK/NZ). Multiple data collection methods were used, including an online survey, 'go-along' interviews, and 'vox-pop' interviews, to generate a rich dataset. The PA experience allows for an intimate and personal sense of wellbeing, yet is shaped by discourses that reflect an individualised, commodified and instrumental approach to nature, in which nature is largely used as a resource for wellbeing. Environmental conservation concerns are considered important but remain largely secondary to these wellbeing discourses. Runners remain concerned with their right to use PAs for wellbeing. The comparative element of this research reveals that the balance between rights versus responsibilities is closely linked to local environmental discourses and practices. While PAs may be desirable spaces for exercise, wellbeing is only ambiguously or simplistically related to discourses of environmental impact. An exploration of wellbeing means also touching on issues about the usefulness of this concept for ensuring environmental protection goals are met in PAs.

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Keywords: wellbeing, environmental impact, protected areas, running, go-along interviews

Introduction

At first glance, the idea that protected areas (PAs) have both environmental conservation and human welfare aims seems a relatively straightforward proposition. However, it is not a straighforward relationship. From the perspective of public health and recreational literatures, which describe the health benefits of physical activity in nature (de Vries et al., 2003; Hartig et al., 2014; Lachowycz and Jones, 2013; MacBride-Stewart et al., 2016; Triguero-Mas et al., 2015), the potential contribution of protected areas to mental and physical health is overwhelmingly positive. Places that are perceived to be biodiverse and to have been protected from significant human impact are considered to be particularly beneficial (Fischer and Kowarick, 2018). PAs are regarded as providing the 'ideal' environmental, aesthetic and recreational conditions for human health (Edwards and Smith, 2011; Fry et al., 2017; Sointu, 2005). This is because they include the main elements of what Kaplan and Kaplan (1989) propose constitutes a restorative environment: curiosity or interest, sense of being away, being part of a larger whole, and positive opportunities provided by the setting (Hartig et al., 2014; Maller et al., 2006). Yet little critical attention is given to how wider discourses related to wellbeing shape the experiences of the users of PAs. The study deploys a socioecological approach, in which the dynamic interrelations between social discourses and practices of wellbeing, and discourses of the natural world in general, are relevant for understanding how PAs remain desirable spaces for exercise (Richard et al., 2011)

 Recreationalists like high biodiversity settings; some groups actively seek them out because of the 'ideal' conditions that they offer for exercise. High biodiversity settings – also known as protected areas, areas of outstanding natural beauty (AONBs) and conservation areas – have conservation as well as wellbeing goals (Fischer and Kowarick, 2018; IUCN, 2015). Wellbeing aims can impact on environmental conservation goals in PAs, although tensions between the two are rarely considered in environmental and wellbeing policies (Bamberg et al., 2018). In the recreation context, the impacts of wellbeing activities on biodiversity or animal habitats are not often described in detail (Marzano and Dandy, 2012). There has been an increase in the number of designated areas (concurrent with the overall global decrease in greenspace), and the demand for them is renewing long-standing tensions between conservation and human wellbeing goals (Balmford et al., 2009; Voigt and Pforr, 2014). The UK is a good example. Here the legislative aims and purposes of national parks are stated as: the conservation and enhancement of natural beauty, wildlife and cultural heritage, *and* the promotion of opportunities for the understanding and enjoyment of their special qualities by the public (National Parks UK, 2018). The second goal is understood as a public duty to foster human wellbeing. These aims are underpinned by the Sandford principle, which states that

where there is conflict of interest, more weight should be given to conservation (Snowdonia Society, 2017). However, Scottish legislation governing the creation of a new national park area now has four equally balanced aims, only one of which relates to conservation of the natural environment (National Parks (Scotland) Act 2000). In line with this, concerns have been raised about the potential for economic activity (i.e. tourism) to be further prioritised over conservation aims in the UK and globally (Bell and Stockdale, 2015).

The promotion of PAs for people to enjoy their special qualities is consistent with the idea of the promotion of greenspace as a resource for wellbeing. Here the emphasis has been on the role of nature as a form of cultural service or capital from which wellbeing benefits can be derived — with the potential for assessing the scope of psychological, social and cultural benefits that users experience relative to other places. Much of the literature on this point emphasises that the size, and proximity of greenspace is an important contributor to health: large areas some distance from where people reside are found to provide the most positive wellbeing benefits (Hartig et al., 2014; Kytta et al., 2013; Maller et al., 2006). While proximity is important for accessing greenspace, there is perceived to be an additional benefit associated with a sense of being away or remoteness (Kaplan and Kaplan, 1989). Notably, persistent inequalities in access, use, perception and impact across social groups (gender, ethnicity, age) and locale (residents, visitors, landholders) are reported within this literature (MacBride-Stewart et al., 2016; Schwanen and Atkinson, 2015). Concerns have also been raised in the recreational disturbance literature about the potentially serious impacts on environmental damage, from trampling to human-borne diseases (ie phytophthora) (Marzano and Dandy, 2012).

This argument is commonly referred to as the 'parks vs. people' debate. On the one hand there are those who argue that nature should be protected due to its intrinsic value. On the other there are those who argue that nature should be saved to provide resources and to benefit human health and wellbeing (Miller, 2005). Within the context of this debate, the role of environmental protection in PAs may touch on the limits of our understandings of the positive benefits of nature for our wellbeing. As we have seen, wellbeing discourses focus mainly on what humans gain from nature (i.e. wellbeing). These discourses are largely uninvolved with ecological concerns over the potentially negative impact of human activities. As Gobster et al. (2007) remind us, the human health goals of PAs are not necessarily in alignment with their ecological goals.

An emerging body of work presents wellbeing as formed in the reciprocal and dynamic relationship between people and the natural world. Bamberg et al. (2018), for example, proposes that benefits of green exercise might vary across environments and between groups of exercisers. Brown (2017) is more specific about how physically rough or uneven ground can be positive, therapeutic even, for running. Hitchings and Latham (2016) explore how runners' attachment to indoor or outdoor environments reflects the importance of context (i.e. busy lives, routine), such that indoor running is not as perverse as it seems relative to the recognised benefits of outdoor running. Menatti and Casado da Rocha's (2016) focus turns to the dynamic and changing nature of a landscape from which users' intrinsic sense of wellbeing is derived. Similarly, Nettleton (2013, p. 203) describes fell running as a corporeal practice (related to but culturally distinguishable from trail running) in which "the landscape permeates the senses", generating a viscerally pleasurable experience. Similarly, in trail running, the relationship between the natural world, wellbeing and the runner is described elsewhere as a "powerful healthy circuit between the embodied human with their physical fleshy self, their mind and emotions, and the particular quality of the earth beneath them and the landscape surrounding them" (MacBride-Stewart, 2019, p. 149).

These embodied, sensory analyses of what it means to run replace more functional accounts about why people run – that is, the need to develop a fit body or to record progress (Little, 2017). These analyses also imply that embodied connections to nature offer some insight into why exercisers can become attached to running in PAs. These attachments may not be explicit – for instance, Hodgson and Hitchings (2018) note that urban runners seldom think about the idea of clean air, while trail runners articulate the lack of pollution as key to their experience of running (MacBride-Stewart, 2019). Furthermore, these studies infer that paying attention to the importance of the socioenvironmental context – including wellbeing impacts on or from the environment – might lead to a better understanding of the experience of and reasons for accessing greenspace in relation to wellbeing (Lachowycz and Jones, 2012).

In order to understand the discourses and practices that shape users' experiences of PAs as desirable places to exercise or recreate, this research focuses specifically on trail runners¹. Trail running is promoted in running communities via idealised images of 'nature' and 'untouched landscapes' (Qviström, 2016). In this study, the focus is on the unique views on PAs, wellbeing and environmental protection as expressed by recreational users in two different country contexts (New Zealand, United Kingdom). The synergies and tensions between the discourses that emerge will be

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¹ For a fuller account of trail running, the justifications for the use of trail runners in this study, and for an explanation of the embodied experiences trail runners in PAs, please refer to published work by this author.

explored using a socioecological approach, which encourages a focus on the construction of relationships between the social world and the natural environment (Humberstone, 1998). Specific attention is given to how the affordances the environment offers are shaped by discourses about the environment and wellbeing, and to the tensions that emerge from the different constructions of PAs in each country.

Parks versus People

In order to understand their potential benefits to human health and wellbeing, it is important to recognise why PAs warrant specific attention. For the purposes of this study, PAs include national parks, regional parks, areas of outstanding national beauty (AONB), and high nature value greenspaces (Juffe-Bignoli et al., 2014). PAs are categorized via an international system (IUCN, 2019) that groups physical landscapes across a scale from involving least to greatest human activity. Other features include: conservation, size, public oversight or governance, potential for biodiversity and wilderness, proximity and activities of users (including residents and farming) (Barker and Stockdale, 2008; Townsend et al., 2015). Over time, the concept of PAs has expanded from a desire to conserve wilderness (US) and heritage (UK) for the public good, towards sustaining the economic, social and ecological relationships between people and nature (Bell and Stockdale, 2015). This diversity in approaching the landscape has tended to be downplayed in the wellbeing literature.

When defined under an ecosystem services approach, PAs are recognised as indirectly offering physical, psychological and cultural benefits for health, as well as directly providing essential resources, such as water and land. Notably, ecosystem services approaches help shape global health strategies advocating the protection of the natural environment and explicitly linking human health to nature (Romangosa et al., 2015), including the Ottawa Charter for Health Promotion (World Health Organization, 1986), the United Nations Sustainable Development Goals (UNSDGs, 2015), the 'Healthy Parks, Healthy People' approach (Townsend et al, 2015), and the 'One Planet, One Health' approach (Horton and Lo, 2015). In addition, wellbeing has also been incorporated into the policy and evidence frameworks of international bodies for PAs such as the EUROPARC Federation (EUROPARC, 2019) and the International Union for Conservation of Nature (IUCN, 2015). The amenity value of PAs for wellbeing has been recognised as part of the multifunctional landscape. As an example, sustainable development has been added to the goals of recreation and conservation within the United Nations Sustainable Development Goals (Bell and Stockdale, 2015).

The ecosystem services approach presupposes positive ('win–win') relationships between conservation and wellbeing purposes (Romagosa et al., 2015; Summers et al., 2012). Yet the pressure on PAs to deliver national and local, economic and social goals is argued to add to heightening tensions between conservation and human uses (Bell and Stockdale, 2015). In particular, the commodification of landscapes becomes more and more apparent in designations incorporating ideas of the landscape as a resource or value for human use. It raises the question, whether the designation of protected areas as 'healthy spaces' risks excessive promotion of practices representative of "loving our parks to death" (Hamin, 2002).

The recreational disturbance literature provides some indication of how human use is perceived. The literature generally focuses on the impact of recreational activities on wildlife (i.e. trampling), user perspectives, and the management of impacts, which mostly regard humans as having a negative impact on the environment (Marzano and Dandy, 2012). Marzano and Dandy (2012) note that studies that consider how users perceive their own impact and the impact of others suggest that people who hold pro-environmental values experience more positive benefits from nature-based activities but feel more negatively affected by other users (Rossi et al., 2015). Pro-environmental values also affect the kind of activity participated in – for instance, walkers hold more positive values compared to those on wheels. Research suggests that while local users are particularly sensitive to impacts related to weather (path erosion) and travel (congestion, noise), recreational visitors believe they themselves have very little impact, and often blame other users for any damage (Edwards and Smith, 2011; Marzano and Dandy, 2012). Therefore, work on the values people hold about PAs suggests these are useful for understanding pro-environmental behaviours and conflicts between users (Orienstein et al., 2017).

While conflicts between tourism/recreation and conservation are long standing, such as over left-open gates and littering, there is some evidence that the use of and access to greenspaces is being given priority over conservation in PAs (Bell and Stockdale, 2015). It is complicated in part by wider health-planning, governance and economic pressures that separate health demands from conservation needs. Collection of adequate evidence on access, use and benefits of PAs has been at the forefront of understanding their value for human health and recreation (Marsden et al., 2015; Townsend et al., 2015). As pointed out in many reviews on greenspace and health by both academics (Hartig et al., 2014; MacBride-Stewart et al., 2016) and international bodies (Diaz et al, 2015; IUCN, 2015; MEA, 2005), the claim that natural environments have positive benefits on mental and physical health, improve social, emotional and spiritual connections, and provide opportunities

for active play is supported by strong evidence. Yet there remains a gap between the way people reconcile their own wellbeing objectives with these wider environmental protection goals.

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The Socio-politics of Wellbeing

What then are the dominant discourses of wellbeing that relate to both the protected environment and environmental protection? How does an environment come to be constructed as one that benefits wellbeing? With multiple definitions of wellbeing (and greenspace) in existence (Bamberg et al., 2018), PAs have become important in the creation of shared practices, experiences and meanings of wellbeing, and vice versa. Foucauldian work on the 'body politic' is often invoked to explain how individual and social meanings are governed and normalised, in order that dominant discourses about the benefits of nature to wellbeing can be identified alongside the values and practices of users within the PAs that constitute them. Discourses of wellbeing are traditionally anchored in the existing relationship between the environment as a 'resource' and the human right to health (Escobar, 1998; Ferraro and Barletti, 2016; McLeod and Wright, 2016). As social theorists have observed, these understandings of wellbeing have been eclipsed by an emphasis on the agency and desire of individuals to be responsible for their own health (Little, 2015; Sonitu, 2005). Wellbeing, to some extent, relies on individual proactivity, self-management, effectiveness (Atkinson and Joyce, 2011; Rose, 2009). Whereas individuals might once have been encouraged to use the environment for its intrinsic contribution to 'healthy' living, wellbeing has come to reflect and reproduce the dominant social ideals of self-development and self-reflection (Sonitu, 2005). This processual view incorporates strong messages about moral obligation, with wellbeing being actively worked towards rather than reflecting a default state (Clarke and Shim, 2011; La Placa and Knight, 2014). Still, the focus here has been on understanding how society, rather than the environment, benefits. Within this context, a socioecological approach has emerged to study the multiple factors (including environmental ones) that enhance or reduce the capacity of individuals to manage their own health (Richard et al., 2011). However, while socioecological models are interested in understanding the social context for wellbeing, they are mostly framed in terms of how the environment influences health, and thus how to improve health promotion. Less likely to be considered is the reciprocity

between the social and environmental aspects, including feedback loops, learning processes or

per se affect the environment (Ostrom, 2009).

agency in response to the environment; and little consideration is given to how wellbeing activities

Within a more critical approach, attention is given to the affordances that nature provides to individual wellbeing (Menatti and Casado da Rocha, 2016) as well as to the relationship with nature on which wellbeing depends. Here, wellbeing is part of a dynamic set of relationships with nature, and the need for environmental protection is considered. Whereas environmental protection is seen generally to contribute positively to health, wellbeing is perceived to impact negatively on environmental protection. A critical socioecological approach, on the other hand, may offer the best alternative for understanding the relational and reciprocal nature of the discourses and effects that are of interest to this study.

METHODS

Trail running is now a mainstream 'sport' in PAs, and part of its appeal lies in the experience of engaging physically in an aesthetic and challenging environment (Nettleton, 2013, p. 196). This study reports on entrants in two trail-running events held in PAs: one in an AONB/World Heritage Site in England (UK), and another in a Regional Park area of native 'bush' on the North Island of New Zealand. Both are accessible to urban centres within 30 min and one hour respectively. The UK event was a locally organised women-only event with marathon and relay distances (329 finishers), while the NZ event was one race in a trail-running series, for adults and children², with a maximum distance of 21km (672 finishers).

Both events promoted the PAs in their advertising. The NZ event was held exclusively in the PA, an area of 97 square miles (250 square km) with elevations up to 2255 ft or 666 m. The NZ location is relatively remote, is not promoted for tourism and has significantly fewer visitors per year than the UK area. The organisers described the event as containing "top notch bush trails... featuring climbs, descents and traverses guaranteed to deliver a challenging morning of adventure". The UK event took in 42 km or 26.2 miles of an AONB, a quarter of which was within a natural World Heritage Site which is promoted as a regional tourist destination (an area that stretches 96 miles or 154 km with 191 m or 627 ft elevation). This is a popular site for visitors and described in the event promotion as 'scenic' and 'stunning'.

Event selection was opportunistic, with the researcher contacting the organisers of the women-only UK event because it was promoted as a local celebration of women's inclusion in long-distance running. The NZ event was used as a 'comparator' to the UK event since both were held in a

² Children under 18 were not interviewed as part of this study

protected area. The events differed in terms of: gender balance (single sex versus equal mix); location (UK/NZ etc.); and amount of time spent running off-road – for instance, UK participants spent more time off-road. However, events were similar in terms of demographics, based on: equal age distributions; similar patterns of average weekly running distance; and balancing factors – for example, the greater proportion of UK participants who had been running over 10 years matched the greater proportion of NZ participants who had run more than 10 marathons³. [insert photos]

The unique case studies represent a diversity of experiences and discourses within and across each location. The selection of cases was underpinned by the idea that emplaced, context-dependent, practical and accessible data can reveal a set of rationalities and discursive norms about why people use natural environments or run in PAs (Flyvbjerg, 2006). The NZ case is a franchised event belonging

277 race in some of the most diverse, spectacular, and challenging natural environments on the planet'.

In contrast, the UK event was a locally run event using local volunteers and contributing to the local

to a global brand, marketed with the byline 'gives endurance athletes around the world a chance to

community but promoted to a global audience⁴. This context contributes to the wider socio-

280 environmental discourses on why people run as discussed below.

The main data used in this article come from 29 mobile ('go-along') and 103 'vox-pop' (short, mediastyled) interviews collected on the day; totalling 132 (82 UK, 50 NZ) group and individual interviews. Interviews were conducted by the author and her co-runner, with an additional two interviewers employed to conduct interviews for the UK event. In the 'go-along', interviews were conducted with people running at conversational pace as the co-runner/researcher ran the race route carrying a handheld recording device (Carpiano, 2009; Garcia et al., 2012). Four simple questions were used (see below). This method has been used effectively in research on walking (Evans and Jones, 2011). It may seem perverse to interview while running, although the method has been attempted by others (see Bamburg et al., 2018). If we understand, as Nettleton (2013, p. 206) does, that experiences of trail running that are "unexplainable to others" are "concretised" in the minute-to-minute practice of running, then 'go-along' can assist in capturing place-sensitive or contextual accounts used to construct wellbeing discourses and add local detail. Furthermore, as Nettleton (2013) argues, it is the unique "sharedness" of trail running (or "existential capital") that makes it almost imperative to 'run with' interviewees rather than to just talk about the experience. This is

³ The study was approved by the Cardiff School of Social Sciences Research Ethics Committee.

⁴ The UK event was promoted as a celebration of acts that "paved the way for women to take part in endurance events". Its framing around social justice concerns was further evident in the choice of its global partner charities: '261Fearless' and 'Free to Run'

consistent with phenomenological/embodied methodologies where minute-to-minute experiences are collected to enrich the data (see MacBride-Stewart, in press).

What has also been left out of research on running, thus far, is how the experience of an event changes across the field of runners. In this study interviews were with the 'middle' of the field, where a diverse mix of runners is most likely to accumulate. As evidence of the events' 'existential capital', the interviewer reported that "conversations flowed between complete strangers, often as miles of ground were covered, with considerable laughter and some even stopping to take photographs" (personal communication, 15 June 2019). Interviews were conducted as the corunner/researcher caught up with or slowed down to meet other runners, and most were collected in the first half of the marathon, in places where the path could accommodate two or more people. Some runners did refuse to be interviewed, but politely did so usually running ahead or declining because of the effort to run and talk. This occurred more often in the shorter NZ event, and in the harder second part of the marathon.

The 'go-along' method captured the experience of conversationally paced and not-yet exhausted runners. To broaden the field, the study added 'vox-pop' interviews to capitalise on opportunities to talk to runners and friends/families gathered before and after the event (Dowling et al., 2016). 'Vox-pop' interviews are particularly effective for "one-time, short-run, events with fast exit rates" (Seaton, 1997, p. 25). Both interview methods used the same four questions, asking about the enjoyment, health benefits, value, and sustainability of trail running. Interviews lasted between 10 and 30 minutes, with most lasting more than 10. 'Go-along' interviews were shorter overall, because they were conducted 'on the go' or in smaller groups. While the 'go-along' interviews were opportunistic, the 'vox-pop' participants were mostly randomly selected with attention to diversity (i.e. age, ability, etc.). The interviewers worked as a team and spent the entire day moving around the event field, starting from the time of registration until the last runners came in. If a group or person had already been interviewed, they thanked them and moved on. Their shared status as an interested runner/interviewer was possibly reflected in only one request for a 'vox-pop' interview being refused. Refusal was higher for 'go-along' interviews as explained. Interviews were digitally recorded and transcribed.

The interview data were supplemented by an online survey that collected 260 responses (140 UK, 120 NZ). The Qualtric-hosted survey had 28 (UK) and 34 (NZ) qualitative and quantitative questions on the benefits, barriers and costs (including environmental) of trail running for wellbeing. The NZ survey included additional questions about biosecurity measures in place during the event. The survey link was given to competitors in the pre-race and post-race information.

A post-structuralist discourse analysis approach was used⁵ (Fairclough, 2013). The analytical process of post-structuralist discourse analysis included looking for talk about well-being, especially in reference to being in natural environments. Talk was examined in order to identify patterns of relationships or themes between the experiences, and the personal and social norms and beliefs that described these experiences as meaningful. The analysis needed a critical, theoretical lens in order to address the problems outlined in the literature review. Post-structuralist discourse analysis provided that lens and was used to interpret the individual process of meaning-making about well-being within the context of socio-political influences and country. The final themes were verified by returning to the literature on tensions and discourses of protected landscapes (Bell and Stockdale, 2015; Roper, 2012) and analysis of neoliberal constructs of health (Clarke and Shim, 2011; Rose, 2009).

RESULTS

Using the perspective of wellbeing as a socioecological process, this section provides a detailed examination of the experiences and discourses of wellbeing and the environment in PAs. The analysis draws out the ways in which wellbeing is portrayed as a personal and individual good and is shaped by a wider relationship to the natural environment. The second part of the analysis explores how the concept of 'healthy spaces' continues to have salience for off-road runners in the context of environmental obligations and conflicts.

Wellbeing as Personal Achievement

Taking their wellbeing as a starting point, the participants confirmed that they actively used the natural environment in order to promote their mental and physical health, and to meet personal goals and achievements (see Table 1). This section explores in more detail how the participants used protected landscapes and trail running as a means to self-manage existing health problems, or to protect against illness. The process is understood by Foucauldian theorists as producing oneself as an 'ideal healthy subject', which was achieved by actively spending time outdoors in nature (Riggs, 2005; Rose, 2009).

[Insert Table 1 here]

Table 1: Reasons for exercising outdoors – top 4 ranked responses.

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	1 st Ranked Reason	2 nd Ranked Reason	3 rd Ranked Reason

⁵ The paper builds on a previously published paper that highlights the corporeal 'atmospheres' of running in PAs as experienced through the 'special qualities' of PAs and the active use of PAs for well-being.

Physical health (37%)	Being outdoors/in nature (20%)	Physical health (22%)
Being outdoors/in nature (24%)	Challenge and/or meeting personal goals (20%)	Mental health (18%)
· '		
Mental health (10%)	Physical health (19%)	Challenge and/or meeting
		personal goals (17%)
Challenge and/or meeting	Mental health (18%)	Mental health (16%)
personal goals (10 %)		

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Participants expressed a sense of wellbeing as a combination of aspects: the aesthetics of PAs, meeting goals and the terrain. Trail running offered the ability to "be out in the fresh air all weathers" (UK1P15) as well as "satisfaction", "a place to... lose yourself", "challenge", "achievement", and "it's therapeutic" (NZ2P09). Other participants reported specific physical benefits, such as good cardiovascular health and protection of knees and joints, as a result of exercising in demanding terrain. However, despite common accounts about the physical and mental health benefits of trail running, what was meaningful to an individual's wellbeing was adapted to their personal understanding of what being-in-nature could offer them. For one person, even though the benefit of running was shaped by rehabilitative need, it became more about experiencing "a high". For another, trail running helped with weight management and avoidance of antidepressants: "I'm two stone lighter and not on antidepressants any more." (UK1P01) (see also Tylka et al., 2014) Trail running was constructed as being qualitatively better and less competitive than road running. Running in nature and being away from urban lives provided 'surplus' benefits, including: the ability to enjoy nature, to demonstrate resilience to the environment (including bad weather), and to be able to take advantage of isolation/solitary endeavours. This is consistent with the solitary gains described by Nettleton (2013), which give rise to an "intense sociality" or shared 'existential capital'. Thus, trail running is valued for how it shapes personal capacity via a shared sense of wellbeing and

I started running as rehabilitation for my concussion, took me two and a half years to recover, just at the end of my rehab now. Running is at the front of my mental cognitive recovery... You catch the bug. Afterwards it's a high. Yeah. Mental health side of it is more important for me than the physical side. (NZ1P08)

purpose, rather than being valued for contributing to wellbeing per se.

The role of nature here is not passive. Instead, the emphasis is on how nature enables people to play an active role in managing their health. For example, being active in nature was helpful in managing stressful lives or jobs (UK3P2/NZ1P18), expressed as "feeling more in control... more ready to face things." (UK3P23) Self-management through trail running involved having "time away from the children" (UK1P12), "time out from life" (NZ2P07), "good stress relief". (NZ1P18) It was said to build

385 flexibility, responsiveness and the capacity to meet challenges. It reveals too an alignment between 386 the skills needed to manage the challenges of the environment and the wellbeing discourses of self-387 management (MacBride-Stewart, 2019). 388 For Foucault, the individual who manages their own health is tied to certain expectations and 389 demands about wellbeing. Similarly, the runners construct themselves as responsible, 'good' healthy 390 individuals, reflected in accounts about desiring to be – and becoming – a better, fitter, stronger 391 happier person, who can "cope with anything" (UK1P23): I feel so much stronger. My body feels and looks so much better, uh, yeah everything just feels 392 393 better. Life just feels better. (UK1P11) 394 Intense fitness... I just find it's quite like a combination of happiness combined with high 395 emotion. (NZ1P15) 396 Most wellbeing research has focused on the socio-political aspects of accessibility and the proximity 397 of greenspaces. PAs generate a sense of escape from the pressures of everyday life and are 398 recognisably 'enjoyable' places to be. By focusing on why access is important and what trail running 399 offers, wellbeing is constructed as a moral discourse involving self-management and self-discipline 400 to improve one's self. Here trail running, both materially ("stronger", "fitter") and symbolically ("top 401 of my game", "to be better and better") became the means to do 'wellbeing' but also 'be well' or 402 'better than well'. This moral discourse to improve oneself and to become a better person was 403 expressed in terms of its benefits at work and at home: "I think it has a wider benefit in the family... I feel I'm being a good role model... and it makes me better at home" (UK3P23); "I think trailrunning is 404 405 also excellent for building resilience in kids as it has challenges" (NZ survey data). Furthermore, trail 406 running here focuses on the moral agency of the individual to "achieve doing something most people 407 think is impossible" (UK2P10), and to take "time for myself where it's only you on the trails and you're just out enjoying being in the bush." (NZ2PO2) There was also a tendency in this discourse to 408 409 view the negative aspects of nature (mud, wasps, stinging nettles) in positive ways, as contributing 410 to self-optimization (Hirons et al., 2016). 411 1: We were running through the woods, we could hear the birds, we were saying running in 412 the woodland is so peaceful and good for your mental health. 2: We always call it tonic for the soul. Always. Feel like a different person when you get back 413 414 from running in the woods. 3: That factor, you're out there your body with nature... running on road, it's completely 415 416 different. Every step is different so you have to work on that. Fantastic!

1: Free isn't it, feeling free.

2: The greenery as well, something about the canopy of the trees, the surface, fertility of the greenery is life affirming, I guess.

1: Its fresher air, isn't it, as well.

2: Calmer. (UK3P26)

Many socioecological approaches assume that the relationship between the environment and people is made up of a complex of linked elements – including biodiversity, aesthetics, culture, geography, etc. (McLaren and Hawe, 2015). Yet in the interviews, PAs were represented as relatively simple binaries. PAs were synonymous with beauty, clean air, challenge and remoteness; set against other spaces that were not beautiful, polluted, managed/landscaped and urban. It is this simplified natural environment that is linked to the benefits of wellbeing for society, such as improved health, social networks, and the opportunity to de-stress. In short, nature is constructed as a powerful resource for wellbeing. Representations of nature used to construct this sense of wellbeing are overwhelmingly positive. They offer simplistic representations of the relationship between individuals and the natural world, in order that nature appears as a picturesque resource for running. The implication is that nature itself does not require in-depth explanation, and that nature and its resourcefulness for wellbeing is relatively uncomplicated.

Rights versus Responsibilities

While 'nature' is important to users of PAs, ideas about environmental impact and ecological sustainability are often overlooked in discussions about wellbeing. This is supported by Marzano and Dandy (2012, p. iv) who note that "generally, users have little awareness of their impacts on wildlife and [when aware] hold others responsible for negative impacts." Consistent with a socioecological approach, a deeper questioning of these encounters with the environment might produce alternative accounts of wellbeing. For example, user perspectives of impact rarely consider how overuse or degradation caused by human factors lead to further reductions in wellbeing. For this reason, sustainability and impact were asked about later in the interviews and survey for additional insight into the question of wellbeing. The article now turns to an examination of individualisation in the context of actions and discourses associated with recreational disturbance and environmental protection.

Starting from the question whether trail running has an impact on the environment, the quantitative data showed that in the UK survey the majority of participants believed that trail running did not

have an impact (46%) or were unsure (23%), compared to 31% who believed it had an impact. In the NZ data, the situation was reversed with most (65%) believing that trailrunning had an impact on the environment, compared to a minority who did not believe it had an impact (20%), or were unsure (10%). From the descriptive data we can argue that the runners had some sense of their impacts on the environment, although this was less than we might expect in the UK context relative to NZ.

It was possible also to compare the qualitative accounts to assess how the discourses were shaped by each country context. While the wellbeing discourses were relatively consistent between the two groups, the discourses related to the environment were closely embedded in the concerns and practices of each locale. In the UK there appeared to be less conflict between discourses of wellbeing and the environment. However, in the NZ context the participants placed greater emphasis on the need to balance personal health goals against the demands and requirements of the environment.

One way of inviting people to reflect on the environment was to ask how they reduced their environmental impact when running. Participants tended to understand impacts in terms of protecting the environment from litter and erosion. In the survey data, both groups believed that taking litter away wth them was the most significant means of reducing environmental impact (27% UK; 20% NZ). Litter was generally described in terms of "not dropping gel packets or water bottles" (UK2P11), although there was a sense of social responsibility advocated in "picking up other people's litter" (NZ2P07) and maintaining community goodwill (UK3P27). As such, protecting the environment was about maintaining its aesthetic beauty, underpinned by a responsibility to remove matter that was 'out of place'.

Biosecurity controls also featured highly in the NZ context, with 18% (NZ) compared to 4% (UK) responding that there was a need to 'clean footwear/walking pole before going to a new environment'. Biosecurity measures deal with the more intangible, less obvious aspects of environmental protection that are usually put in place to prevent the human transmission of pathogens that can kill plants or animals. The emphasis on biosecurity in the NZ context was not unexpected because there had been details about a public campaign to protect native Kauri⁶ trees included in information at the event, in pre-event emails, and at a control station in the park. Other proposed biosecurity solutions – 'keeping to paths/tracks' (22% UK; 18% NZ) and not toileting near water sources (12% NZ; 14% UK) – were identified by a small but comparable number in each place,

⁶ 'Kauri dieback' or 'Kauri dieback disease' – which the pathogen is commonly known as – was the most commonly reported environmental impact identified in the open questions of the NZ survey.

along with suggestions such as keeping events "low key" (UK3P19), "repairing or contributing to trail maintenance" (NZ2P18), and 'increasing the number of paths in use in an event'. In contrast to the discourse about littering, the emphasis on biocontrols was related instead to maintenance of the biodiversity and ecology of the area, underpinned by a responsibility to protect the health of nature itself. Few participants talked about this aspect explicitly, most stated the biocontrol was necessary to protect nature's aesthetic beauty.

It is possible to see a divergence between the two country contexts in understandings about the need for environmental protection for wellbeing. For the UK respondents, the need to protect and sustain the environment for wellbeing was focused largely on individual responsibility. Protecting the environment meant that individuals could keep running in PAs ("you're running on it, you have to respect it.", UK2P11) In NZ, biosecurity controls were adhered to mostly for the benefit of the environment and others:

After these events you go home, clean [shoes]. It takes ten seconds out of your day, helps preserve the trees as much as we can. (NZ2P12)

Done a bit [of travelling] with the mountain bikes. You do make sure [to get your bikes] clean whenever you go from one area to anywhere else... [important to] society kinda to make the effort. (NZ2PO2)

Other differences between the NZ and UK contexts emerged when questions were asked about the future use of PAs for running (i.e. sustainability). In the UK context, sustainability was seen to be equivalent to inclusivity – that is, protecting the environment was synonymous with providing opportunities for a wider and more diverse group of people to meet their wellbeing goals. Examples included providing formal infrastructures and informal networks for running: "more in schools" and "having a running community". This is consistent with the idea of 'moral individualism', which suggests the possibility of responsibility for others while remaining strongly attached to achieving one's own aims (Dawson 2012; cited in Middlemiss, 2014). Sustainability is represented here in its simplest terms as being maintainable, endurable and lasting, described in practical terms as having "more routes" (UK1P05), "improved trail signage" and the "promotion of off-road events" (UK2P09/UK3P23/UK4P07). As seen below, this would contribute to maintaining and/or expanding the practice of running in natural environments:

⁷ A central role of Auckland Council lies in biodiversity and biosecurity, particularly in relation to the protection of indigenous species. Their biosecurity officers are able to close off tracks of land, access council funding for management and protection, and are involved in the issuing of licenses for events held in the region's parks. Relationships between local rangers, Auckland Council and the Department of Conservation are expected and encouraged. In New Zealand, access to trails is not unrestricted – there are very stringent limits on access to private land, and NZ runners do not assume automatically to have access to land.

512	Off-road? Having those permissions and ensuring they remain as paths and that kind of
513	thing. (UK1P15)
514	Just [make] it possible for anybody, doesn't matter who, where, what. (UK2P03)
515	In the NZ context, sustainability reflected a social and educational approach, focused on restricting
516	human impact and protecting against environmental decline. It involved actions linking individual
517	responsibilities to 'national' cultural values – for instance, protection of New Zealand's 'clean green'
518	image ("Our kids grow up with a sense of respect for their environment we feel like we all own it",
519	NZ2P07), as well as the 'adoption' of Maori values of the land as a taonga ('precious gift').
520	Respondents also suggested a range of strategies for sustainability reflecting a broad awareness of
521	the need to politically manage human relationships with nature. These included formal
522	infrastructural support ('boot cleaning stations', 'site signage'8), resourcing ('environmental
523	mitigation', 'rangers') and governance ('planning', 'oversight and intervention'). Educational
524	campaigns appeared to be endorsed particularly, encouraging individual responsibility through a
525	shared understanding of the issues, practices and bodies responsible for protection. In the NZ
526	context, there was a shared understanding that people needed to be aware of the impact humans
527	have on nature, potentially reducing opportunities for wellbeing benefits in the future.
528	People need to understand either you follow the rules, or it gets closed completely. Those are
529	your two options. (NZ2P02)
530	Got to make sure the bush is still there, that industry doesn't go too far, building in the bush.
531	Making sure there's enough public opinion so no one wants to damage it or get rid of it.
532	(NZ2P12)
533	An important observation can be made here. The discourse of individual responsibility has the
534	potential to conflict with the discourse of environmental protection and sustainability; however, the
535	'national' context is important here. In the UK, the relationship between wellbeing and the
536	environment showed greater potential for conflict, with individual rights and responsibilities
537	seemingly promoted above the need for environmental protection. In NZ there was more emphasis
538	on a shared responsibility to protect the environment, in order that communities could continue to
539	use PAs in the future.
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541	Whether the PA is discursively constituted as a wilderness or an area of human activity appears to

⁸ Site signage refers to having a sign at the entrance to a park area and or trail. This differed from the UK context where there was an expectation (and probably more of a need for) continuous signage along the trail.

play a role in how people act in relation to environmental protection. The idea of the environment

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having an 'undisturbed and originary' nature resonated more in the NZ context where there was a distinct discursive separation between protected and other landscapes. Wilderness areas – referred to as 'the bush' – were defined as "getting out of the city" (NZ2P15) and "[not seeing] a house... feel like you're a million miles away" (NZ2P19). In this context the opportunity to use native bush was not assumed to be an automatic right, and responsible use was regarded as a key part of the activity.

Access is really important... to places you cannot normally go...There's definitely issues and I think everybody's conscious of that. Trail runners in particular. We are lucky to have this playground, they're cautious... rubbish, don't do that. (NZ1P08)

In the UK context, the boundaries between urban, peri-urban and rural spaces were less distinct ("We're fortunate in this part of the world, we all live in a mile or two of some public byway or footpath", UK4P07). Here nature acts as a temporary, proximal and necessary refuge where the right to access is supported by legislation (right of way, right to roam). In this context, the use of protected areas for wellbeing was commonly viewed as a proprietary right, rather than a privilege⁹, with some evidence that instrumental and self-interest concerns are being prioritised over environmental ones (Middlemiss, 2014):

I like the exploration. The fact that you're of-froad means you can cross the fields, use all the public footpaths. (UK3P19)

The running routes is a really quite key thing. [Locally marked routes] gets you off the road, no worry about faffing around with maps... Join it in lots of different places. (UK3P18)

Using a socioecological frame, it is argued that the relationships between wellbeing and environmental protection are constituted through discourses related to inclusion and rights, and to protection and responsibilities. With wellbeing being represented as the agency to act in accordance with self-management and self-responsibility, the wellbeing discourse is further shaped by the sociopolitical or country context of the PA. This context can shape the extent to which a PA is constructed as proximal, or as a relative 'wilderness', and it can shape the extent to which wellbeing is aligned with individual and shared rights and responsibilities. Thus, wellbeing in the context of PAs may be linked to unlimited rights and use, or alternatively around the need to act cautiously when running in protected areas.

⁹ In the UK, the Countryside and Rights of Way Act 2000, supports 'rights of way' and the 'right to roam'. Respectively, they refer to the legal right to use a path through the grounds of a property owned by another person, and the right to use open access land, including mountains, moors, heaths, downs and common land. Rights of way are usually signposted and appear on Ordinance Survey maps.

Environmental Self-interest?

A socioecological approach is used here to consider what these discourses about wellbeing and environmental protection tell us about how runners understand the conflicts between conservation and human activities in PAs (Hamin, 2002). These conflicts are addressed rarely in the wellbeing literature or, when they are, users of PAs tend to blame others for any damage (Marzano and Dando, 2012). The conflicts appeared in the interviews as claims that some level of damage is "unavoidable" (UP3P11). Others noted their right to exercise in places of their own choice. Notably, direct (hardware) and indirect (values, code of conduct) instruments of environmental protection were not always supported by off-road runners, who wanted to preserve the remote-nature experience and challenge, along with the 'natural' feel of the terrain.

I try to but I am a bit naughty, if it looks like I can get round someone I run over tree trunks and things. (NZ1P16)

Attempts to make PAs more accessible or sanitize and gentrify the tracks (NZ2P05) were also rejected by some of the trail runners. These runners in particular seemed critical of efforts that might change their experience of trail running.

You need to make it accessible to everyone but... I think they make it too accessible. (NZ2P21)

It's in your interests, if you're running over the same terrain you want to keep it looking good.

(UK3P19)

Despite an interest in retaining PAs as 'healthy spaces', getting people to appreciate the role of environmental protection may be challenging. Trail runners appear to have both short-term and long-term interests that remain focused on preserving the terrain, its isolation, and 'back-to-nature' qualities, along with a desire to be able to continue to run in similar ways in the future. While this self-interest appears related to environmental protection in the long term, particular instruments of environmental protection are only acceptable as long as they do not impact significantly on the personal experience of running. That is, they are suggestive of an environmental self-interest. The extent then to which individual wellbeing dominates or even undermines discourses of environmental protection may require closer consideration to appreciate users long-term engagement in these spaces.

CONCLUSIONS

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From the perspective of trail runners, PAs represent the ideal environment for achieving wellbeing. Participants actively used PAs to promote their mental and physical health, and to meet personal goals and achievements. This experience of wellbeing is largely underpinned by discourses of individualism, personal responsibility or rights and a sense of personal wellbeing (Roper, 2012). In this study, wellbeing is regarded as more than the achievement of good health; it includes its optimization and the realization of individual goals. Nature itself has an important role in the ways in which trail runners actively manage their health. However, this study has found evidence of discourses that reflect not only a simplification of the natural environment but also a sense of rightness and legitimacy in being able to use PAs for wellbeing, The question the study raises is the extent to which these individual rights take precedence above the need for environmental protection. This concern is stressed within the policy landscape when it is suggested tensions are emerging between meeting wellbeing and conservation goals of PAs (Carrington, 2019). The global consequences of such a shift are not reported on in this article; rather, it has sought to gain some insight into the wellbeing and environmental protection discourses that shaping everyday understandings of PAs as desirable spaces. It has also considered these the desirability of PAs for wellbeing in two different country contexts (NZ and UK). The analysis suggests that while regular users of PAs, in this case trail runners, do have some awareness of the need for environmental protection, it is less than we might expect at the present time. In part, trail runners tended to draw on discourses positively constructing PAs as a resource for wellbeing, while simplifying the impacts of their activity on the natural environment. Participants tended to represent nature in simple and uncomplicated ways, and their accounts appeared relatively untroubled by accounts about human impact or degradation. By implication, it was necessary in this research to ask probing questions about their possible impact on the environment. In both contexts (NZ, UK), participants understood trail running to have an impact on the environment, but to what extent they felt that environmental protection should or did curb or limit trail running was influenced both by the local context and the degree to which individual goals superseded the instruments of protection. In the New Zealand context, PAs used for trail running were perceived as 'wilderness' spaces. Environmental protection was understood to be a shared responsibility, and discourses about restricting use were dominant. In the UK context, the use of PAs was regarded as a right, with the expectation that they were accessible and available nearby, with a

focus on expansion to more users rather restricting use. In short, understandings of the relationship

between wellbeing and protection in PAs was shaped by local cultural and political rationalities about rights and responsibilities. Therefore, the capacity of societies to understand the shared goals of PAs for the future may imply paying close attention to the diverse types of PAs and how these align with discourses of rights and responsibilities. This study suggests treating discourses about environmental self-interest cautiously because of their emphasis on the individual rather than on environmental protection. References Atkinson, S., Joyce, K.E. 2011. The place and practices of well-being in local governance. Environment and Planning C: Government and Policy, 29(1), 133-148. Balmford, A., Beresford, J., Green, J., Naidoo, R., Walpole, M. and Manica, A., 2009. A global perspective on trends in nature-based tourism. PLoS biology, 7(6), p.e1000144. Bamberg, J., Hitchings, R., Latham, A. 2018. Enriching green exercise research. Landscape and Urban Planning, 178, 270-275. Barker, A., Stockdale, A. 2008. Out of the wilderness? Achieving sustainable development within Scottish national parks. *Journal of environmental management*, 88(1), 181-193. Bell, J., Stockdale, A. 2015. Evolving national park models: The emergence of an economic imperative and its effect on the contested nature of the 'national' park concept in Northern Ireland. Land Use Policy, 49, 213-226. Brown, KM., 2017. The haptic pleasures of ground-feel: The role of textured terrain in motivating regular exercise. Health & Place, 46, 307-314. Carpiano,, R.M. 2009. Come take a walk with me: The "Go-Along" interview as a novel method for studying the implications of place for health and well-being. Health and place, 15(1), 263-272. Carrington, D., 2019 Survival of nature world is in balance says wildlife chief. Interview with Ana Maria Hrenandez. https://www.theguardian.com/environment/2019/jun/24/survival-of-naturalworld-is-in-balance-says-wildlife-chief Accessed 26 July 2019. de Vries S., Verheij RA., Groenewegen PP., Spreeuwenberg P. 2003. Natural environments-healthy environments? An exploratory analysis of the relationship between greenspace and health.

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801	IMAGES
802	Image 1: Event Trail (NZ)
803	Image 2: Event Finish
804	Image 3: Waterstop (UK)
805	Image 4: Event Marquee