

The River Access Planning Guide (Guide) Toolkit is a collection of organized tasks, tips, and worksheets to assist river managers and site designers in planning and implementing river access within the structure of the Guide framework. The Toolkit is designed to be used after becoming familiar with and conversant in the River Access Planning Guide (2020).

Each section is organized by Steps 1-6 from the *Guide* and provides:

- a condensed version of Guide Tips (♣) and Tasks (□); and
- question-based activities and worksheets.

This Toolkit is a fillable PDF that can be used offline or in printed form. Use the Tips and Tasks to move through the worksheets. The worksheets provide space for documenting answers, creating sketches, and taking notes to guide the visioning, planning, and implementation steps laid out in the *Guide*. The appendix provides links to additional resources and relevant literature.

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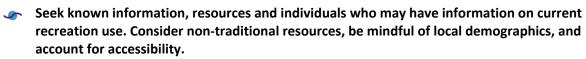
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Step 1: Assess and Summarize Existing Conditions (Guide p. 31)

Step 1 focuses on gathering baseline information about what access exists or is needed. Below are Tips suggested in the *Guide* to keep in mind as you progress through Step 1 Tasks and use Worksheets 1.1 & 1.2.

Step 1: Tips

S	Establish a planning leader to work with resource managers or subject matter experts to
	gather relevant and baseline information.
	Notes (e.g., ideas of people to lead this process):



Notes (e.g., users, clubs, friend groups, outfitters):

coordinates you are considering):

◆	Consider whether the access project is for a single access site or a collection of access
	sites along a river corridor within your management zone. Consider how roads and trails
	which connect to the access site(s) might affect the user experience.
	Notes (e.g., be clear about the access sites, existing or undeveloped (list site names or

Consider the extent to which new or enhanced access could alter the visitor experience, visitor use patterns, site management, or other attributes.

Notes:

Establish the size and shape of the project area based on the needs it will address, given physical or other constraints. Consider which local, state, and/or federal partners to engage in various aspects (planning, permitting, partnership) of the project. Notes:

Let's get started!

Step 1: Tasks

Define River Project Area

Complete Worksheet 1.1: Reach Analysis

*Worksheet 1.1 aims to capture the "30,000 foot" overview of a river system (i.e., all access sites and reaches). Whether planning for one access site or several or documenting a holistic view of the current use desired, completing Worksheet 1.1 will offer an excellent understanding of your river system as a whole (see Figure 1).



Figure 1. This Clackamas River Project Area overview includes several reaches and multiple existing and potential access sites (shown as red dots on the map). Worksheet 1.1 enables the team to capture information for the entire system without diving into site specific details.

Identify River Access Site(s) Areas

Complete Worksheet 1.2: River Access Site Analysis for each site under consideration

*Worksheet 1.2 should be completed for each access site under consideration. Use responses from Worksheet 1.1 where applicable. Information may be duplicated for each site worksheets when characteristics are the same.



Figure 2. For the Clackamas River, Moore Creek Access was one of the access sites of interest. Worksheet 1.2 would be completed specifically for Moore Creek Access.

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Identify Current Recreation Use (Worksheet 1.2, p. 2-3)
Classify Current Recreation Setting (Worksheet 1.2, p. 1-2)
Describe Resource Trends (Worksheet 1.2, p. 4, Q2)
Assess Functionality (Worksheet 1.2, p. 3-4, complete only if access site is existing)
Describe Regulatory and Management Framework (see Worksheet 1.1, p. 13)

Step 1: Worksheets: Reach Analysis and Access Site Analysis

The Step 1 Worksheets allow teams to build a foundation of resources for the access planning process that reflects their various disciplines and perspectives. The information collected within the *Guide* Toolkit can be utilized as a "living" document for the project for years to come.

Worksheet 1.1: Reach Analysis

- Assess the seven 'Core Elements' of the Reach/River System, these elements need to be considered, and the information needs to be accessible and easy for all stakeholders and project advocates to understand:
 - System and Location
 - Landscape Setting
 - o Temporal Dependence
 - Frequency
 - Density
 - Use Type and Challenge Level
 - Management (see A-G in the image below).
- The information covered in Worksheet 1.1 may duplicate some information in Worksheet 1.2 which focuses on specific access sites, but it serves to provide a helpful overview of the complete reach.

Worksheet 1.2: Access Site Analysis

- Assess specific current and/or future access sites.
- Complete this Worksheet for every access site included in the project.

Step 2: Identify Desired Access (Guide p. 39)

Step 2 focuses on developing a shared vision for the project using baseline information from Step 1. Questions that reference desired conditions encourage creativity and stimulate reenvisioning the possibilities for access.

Let's get started by reviewing Step 2 Tips and Tasks.

Step 2: Tips

\$	Conduct outreach, field visits, planning charrettes, envisioning workshops, one-on-		
	interviews, and other forums where ideas can be shared among a variety of user groups		
	Notes (e.g., which methods are most practical, and when can this process begin?)		

- Prepare maps and other graphics that will help set the stage for planning. Use iconography where possible to make information easily visually accessible.
 Notes (e.g., make a list of known/desired access points; create a map of the project area)
- Share information regarding recreation use trends and known access constraints, so the team is thinking about limitations and potential solutions from the outset.

 Notes (e.g., What are the major problem areas or use trends that need to be considered?)
- Identify target recreation opportunities that a new or improved access and launch facility would support. Classify these opportunities by recreation use and opportunities.
 Notes: (e.g., Consider aspects of single-use or multi-use design for the access site(s))

Step 2: Tasks

Organize the Team (Q2.1) Be sure the group includes people with a variety of areas of expertise and perspectives, including local or regional neighbors and consultative liaisons or partners.
Review Baseline River Access Information (Q2.2 – 2.6)

	Through interactive work sessions, share maps and information of the project area with the planning team. Identify what is known about specific access needs for participants and the constituents they represent.
	Identify and Describe Target Recreation Uses (Q2.7 – Q2.11)
	A project area may offer a range of opportunities for recreation uses and
	experiences that, individually or collectively, drive specific access needs. Target
	recreation opportunities may include those described in Step 1.
П	Identify and Describe Target Recreation Experiences (Q2.12)
	Once target recreation opportunities are identified, the next step is to characterize
	desired recreation experiences. Information gathered in Step 2 should be
	integrated into the recreation setting characteristics that are developed in Step 3.

Step 2 Worksheet: Formulating Desired Access

*Worksheet 2, as will all Worksheets, will be made into separate, clickable PDF document as Worksheets 1.1 & 1.2 above

The Visitor Use Management (VUM) Framework defines desired conditions as "statements of aspiration that describe resource conditions, visitor experiences and opportunities, and facilities and services that an agency strives to achieve and maintain in a particular area [access site]. Desired conditions describe what conditions, outcomes, and opportunities are to be achieved and maintained in the future, not necessarily what exists today. Desired condition descriptions paint a picture of what the particular area [access site] will look like, feel like, sound like, and function like in the future. They do not answer the question of how conditions will be maintained or achieved—that comes later." (VUM Framework, 2016, p. 30).

This worksheet provides a series of questions to identify and articulate the desired condition(s).

WORKSHEET 2	REACH:	SITE:
ORGANIZE THE TEAM		

Guide p. 40

Q2.1: List potential team members and their affiliations to reflect a variety of current needs and constraints of the project area.

REVIEW BASELINE RIVER ACCESS INFORMATION

Guide p. 40

Q2.2: Describe potential outreach, workshops, interviews, or other ways of collecting input that are feasible to implement for the project team (including dates and times, where possible).
Q2.3: List the major problems and resource and recreation trends specific to this access site.
Q2.4: List available resource information (e.g., maps, website links, social media accounts) specific to this access site as ready references.
Q2.5: Identify maps, GIS resources, or other desired reference data that the project area does not currently have (e.g., water trail map, hydrology, gauge information, soils data).

Q2.6: Identify and list specific facilities or amenities that are of particular interest (e.g., ADA requirements, restroom facilities).
IDENTIFY AND DESCRIBE DESIRED TARGET RECREATION USES Guide p. 41
Q2.7: Given the information documented in Step 1 Worksheets 1.1 and 1.2, list all desired
recreation activities that should be considered for planning this new or improved access site. *Remember this is an opportunity to list activities that may not be currently accessible at this site.
Q2.8: Describe <u>desired</u> conditions for this site regarding <u>seasonal/temporal use and density.</u> *Remember this is an opportunity to consider <u>current</u> seasonal usage and density and envision what is <u>desired</u> for this site (see Guide p. 19, 23, 33).
O2 0. Describe desired conditions for this site regarding shallongs level
Q2.9: Describe <u>desired</u> conditions for this site regarding <u>challenge level</u> . *Remember this is an opportunity to consider <u>current</u> challenge level and envision what is <u>desired</u> for this site (see Guide p. 25 and 33).

Q2.10: Describe <u>desired</u> conditions for this site regarding <u>frequency</u> of use.
*Remember this is an opportunity to consider <u>current</u> frequency use and what is <u>desired</u> for this site (see Guide p. 21).
ρ. 21).
02 11. Describe desired conditions for this site regarding landscape setting
Q2.11: Describe <u>desired</u> conditions for this site regarding <u>landscape setting</u> . *Remember this is an opportunity to consider the current landscape setting and what is desired for this site (see
Guide p. 17).

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IDENTIFY AND DESCRIBE DESIRED TARGET RECREATION EXPERIENCES *Guide p. 42*

An example desired conditions statement for a river access site:

"This take-out/day-use facility should provide separate areas to support identified different recreational uses: the takeout should provide a paved ramp, staging areas, SCAT machine, vault toilets, garbage receptacles, and sufficient parking to support vehicle shuttles. The site would require regular facilities management from May-October and permit monitoring. The day-use areas should be physically and visually separated from the take-out area. Facilities, such as picnic tables or benches, should be subordinate to the natural setting. Paths or ADA-accessible walkways should lead to water to best support fishing or waterplay." (Guide, p. 42).

Q2.12: As a team, develop a cohesive desired conditions statement (i.e., 5-10 sentences) for the new or improved access site using the information documented above (Q3.2-Q3.11).

Step 3: Define Desired Recreation Setting Characteristics (Guide p. 43)

Step 3 applies structure to the conceptual ideas and desired conditions identified in Step 2 by describing them within the context of **recreation setting characteristics**. Recreation setting characteristics are derived from the Recreation Opportunity Spectrum (ROS) and represent a continuum of classes from natural to enhanced recreation settings; these classes are characterized by components that include **biophysical (a combination of biological and physical)**, **social**, **and managerial attributes**. Many of the questions in Worksheet 4 ask again about <u>desired</u> river access but with a specific focus on setting (see Table 1).

Table 1. Examples of Potential River Setting Attributes

Table 1. Examples of Potential River Setting Attributes			
Biophysical attributes	Social attributes	Managerial attributes	
Terrestrial vegetation	Recreationists (type, number)	Recreation facilities	
Aquatic vegetation	Visitor expectations	Water storage facilities	
Water quality	Patterns of visitation	Water delivery systems	
Soils/rocks/cliffs Topography/slope	Visitor behaviors	Rules/regulations	
Fish and wildlife	Visitor safety issues	Interpretation	
Natural sounds	Visitor conflicts	Fees and charges	
Visual resources	Vandalism and litter	Site design	
Water flows	Automobiles and trains	Health and safety closures	
Water elevations, drawdown	Historic sites	Length of season	
Lightscapes	Cultural resources	Recreation maintenance	
Endangered species	Adjacent private land uses	Recreation programs	
Human development	Special uses	Law enforcement/security	
- Industrial/commercial	Special values	Signage	
- Municipal/residential	Density of use	Restoration activities	
- Manmade structures	Types, size, and speed of	Administrative sites	
- Infrastructure	boats	Reservoir drawdown	
Water surface acreage	Shoreline activity	Water safety lights/markers	
River length, width, gradient	Airplanes	Timed flow releases	
River flows	Commercial shipping	Fishery management	
Natural hazards	Type and level of noise	Vegetative management	
Air quality	Nuisance behavior	Access roads/launches	
Natural beauty	Unlawful activities	Accessible facilities	
Geologic formations	Agricultural activities	Personnel and volunteers	
Climate and winds		Level of patrol	
Canals and shipping locks		Permits	

Source: Water and Land Recreation Opportunity Spectrum (WALROS) (Auckerman, 2011, p. 9). Attribute classes of Biological and Physical are combined as "Biophysical."

Review Step 3: *Tips*, noting what might be important for your specific river, reach, or sites, and note Step 3: *Tasks* that align with Worksheet 3 questions.

Step 3: Tips

Begin to consider the biophysical, social, and managerial attributes of the river access project areas. Questions to ignite your thinking include:

(Biophysical) - What level of infrastructure is needed, and how will that impact sensitive resources?

(Social) - What level of visitor use should be provided for? (Managerial) - What level of management would be required, and how does that affect operational costs?

For biophysical impacts to access project areas, is it acceptable at this stage to plan around resource degradation at a broad scale? Site-specific evaluations will be considered in more detail in Step 4.

Notes (e.g., make a list of available maps)

Step 3: Tasks

Identify Planning Zones (Q3.1) Identify which access sites focus on single uses during certain seasons or flows (e.g., a play area or wave) versus those that support a broader recreation experience. Chart or map access needs for the entire project area(s) based on the type of facility needed to support uses and experiences. Planning zones are developed to address desired recreation experience summarized in Step 2.
Describe Access Planning Components A – D (Q3.2 – 3.5) Map out the ideas generated in Step 1 to ensure that access is designed to support desired recreation setting characteristics and related outcomes.
A. Physical Attributes (Q3.2) Using baseline information developed in Step 1, stakeholder input from Step 2, and planning zone maps developed in Step 3, identify and map potential new or modified physical attributes across access project locations.
B. Social Attributes (Q3.3) Consider the social setting and desired conditions for level of use, visitor interaction, group size, or potential for solitary experience based on the assessment in Step 1. Consider how new or modified access locations identified above influence the social setting of the access location, particularly in the context of conflicting uses or mobilizing larger groups from a launch point.

	Consider the presence, distribution, and relationship of sensitive resources in the project area to existing or new access locations. Adjust access locations or managerial constraints (see Managerial Attributes, below) accordingly to account for resource protection. Consider how the location of facilities and/or potential changes in visitor use may degrade important resources.
	D. Managerial Attributes (Q3.5) Consider the management time, expertise and expense that will be necessary to achieve desired recreation experiences and maintain access facilities, targeted social setting, accessibility, and necessary natural, cultural, and scenic resource protection.
r S	Establish a Planning Direction (Q3.6) Summarize access needs and planning direction on a map. You will be creating a master plan for site selection and design that responds to the initial questions in this step (step 3).

Step 3 Worksheet: Define Desired Recreation Setting Characteristics

*Worksheet 3, as will all Worksheets, will be made into separate, clickable PDF document as Worksheets 1.1 and 1.2 above

WORKSHEET 3 REACH: SITE:

IDENTIFY PLANNING ZONES

Guide p. 44

Q3.1: List access needs required within each project area to sustain or improve desired recreation experiences and plot these needs on the project area map.

DESCRIBE ACCESS PLANNING COMPONENTS & ATTRIBUTES

(Physical, Social, Biological, Managerial)

Q3.2: Physical Attributes
List the major physical attributes for planning consideration within each project area site.

List major roads or trails connected to each project area.

Q3.3: Social Attributes
List the major social attributes for planning consideration within each project area site.

How would a new or improved access support the desired social recreation setting?

What issues could arise related to carrying capacity, staging and circulation, and potentially conflicting uses?

Would new or improved access alter the social setting?

Q3.4: Biological Attributes

List the major biological attributes for planning consideration within each project area site.

How does the location of facilities and/or potential changes in visitor use potentially degrade		
important resources? Are there any trends?		
Q3.5: Managerial Attributes List the major managerial attributes for planning consideration within each project area site.		
List the major managerial attributes for planning consideration within each project area site.		
Q3.6: Summarize the attributes, access needs, and planning direction for the project area(s).		
Identify those needs spatially by labeling them on the project map.		
NEW ACCESS PLANNING & SITE FACILITY PLACEMENT QUESTIONS Guide p. 46		
*The following questions are helpful to consider when planning entirely new access areas that have not yet been established.		
Q3.7: Note river processes and geomorphology. Are there good sections within the project or		
river setting area(s) that are ideal for new river access?		
List facilities that are required for the desired recreation experiences at each project site.		

Where would each facility be located at each project site?
What is the potential frequency of use for the project site?
Given the frequency of use, what is the desired scale of the facilities planned?
What are unique design considerations (e.g., turnarounds, launches, restrooms, accessible features, cleaning stations, informal kiosks) for the various facilities given the desired recreational opportunities planned for each site(s)?
Would new or enhanced roads or trails be required to accommodate access facilities described above, and how would this potentially alter the recreation setting?
Which sites lend themselves to barrier-free access or use of universal design elements?

Step 4: Evaluate Site Options and Select a Preferred Site (Guide p. 49)

Step 4 provides a process for site evaluation and selection that takes into consideration all of the information collected in Steps 1-3. The outcome of this step is to determine whether new or enhanced access supports the desired recreation experiences within the larger recreation setting. Step 4 is the shortest in the Toolkit, but vital for deciding what aspects of a project will move forward, given existing constraints.

Step 4: Tips

Summarize site options in map format for all potential project area site(s). Illustrate trade-offs pertaining to recreation experience, setting, and development constraints by answering the questions in Worksheet 4.

Step 4: Tasks

Create a map or list of site options.
Evaluate and compare site options.
Prioritize preferences for access site(s).

Step 4 Worksheet: Evaluating Project Site(s) Options

*Worksheet 4, as will all Worksheets, will be made into separate, clickable PDF document as Worksheets 1.1 & 1.2 above. Worksheet 4 contains the Tasks for Step 4.

WORKSHEET 4	REACH:	SIIE:

EVALUATE SITE OPTIONS & PREFERENCES

Guide p. 49

Q4.1: How does recreation setting characteristics for each access site project area support the desired condition?

Q4.2: What physical constraints exist at each access location?
Q4.3: Do physical site limitations restrict the ability to separate uses? How?
Q4.4: Where are known sensitive resources in the target access location? What can the project planners do to avoid impacts to these resources or mitigate through design solutions?
Q4.5: Do site constraints (topography, surface materials, etc.) and budget allow for the design of barrier-free access or universal accessibility? If not, how is this issue addressed?
Q4.6: Which site(s) work(s) best with the naturally occurring or human-induced river processes and geomorphology of the river?

Step 5: Assess Facility Design, Constructability, and Project Implementation (Guide p. 51)

In Step 5, the planning team will consider factors related to the design, construction, and implementation of the access project for each potential access site. To determine the level of design needed to guide a project, components are separated into the following stages: concept design, site limitations, construction documents, details, and specifications, constructability, and construction period and timing.

Step 5: Tips

Summarize site-specific information in map format. Illustrate trade-offs pertaining to site design, constructability, and implementation as it relates to the recreation experience, setting, and development constraints of each site(s).

Notes: (e.g., pinpoint where on the project map each proposed facility or project idea should occur and its relations to the factors mentioned)

Step 5: Tasks

Assess Facility Design, Constructability, And Project Implementation First Tasks (Q5.1 - 5.5)
☐ Consider site size, site amenities, the life cycle of materials used, proposed recreation activities, and the potential to integrate or separate activities.
☐ Identify development levels approaching the river and the facility needs for access related to the specific types of experiences (Natural, Enhanced, Constructed).
☐ Describe specific cultural and natural resources to be protected and/or enhanced at the site.
Create and Assess a Concept Design (Q5.6) The concept design is a spatial representation of the on-site facilities that identifies how their distribution and locations work to mitigate site issues and support desired user experiences.
Document Site Limitations (Q5.7 – 5.12) These include topography, land ownership, existing infrastructure, subgrade utilities, sensitive environmental and cultural resources, stockpiling/disposal constraints, and construction access influence constructability of the design.
☐ Consider how existing topography may influence the ability of equipment to access the site.

☐ Develop a plan for how to use the byproducts from site clearing to support the construction efforts. Identify areas for staging and stockpiling materials that do not impact sensitive resources.
□ Coordinate construction access with neighboring landowners and agencies. Identifying necessary permissions, permits, and agreements associated with access will help determine the size and amount of equipment that may enter the site to support the work.
Organize Construction Documents (Q5.13 - 5.14) Construction documentation provide specifications that are needed to support layout and construction of the physical site amenities.
Assess Constructability (Q5.15 – 5.18) Constructability refers to the technical and financial feasibility of an overall project design, including consideration of the construction approach and techniques. Facility design and constructability should reflect the desired outcomes communicated by the constituent groups and the ability of facility managers to design, fund construct, manage, and maintain the site. □ Ensure construction documentation, details, and specifications describe a comprehensive installation process as well as a recommended maintenance regime. □ Layout drawings and design details describe the distribution and materials of
the site amenities and facilities and how the features are to be constructed. Develop specifications to communicate the parameters of the construction (e.g., how and where materials are to be staged and areas to be fenced and protected from construction impacts) and the parameters of materials (e.g., gravel, paving, concrete, stone, vault toilet, etc.).
Construction Period and Timing (Q5.19 – 5.23) After identifying a construction window for the project, factors such as regulatory mandates, river conditions (low-water conditions are often ideal for construction), precipitation, and revegetation considerations will determine the most appropriate time to begin construction and operate within the established work period.
□ Document seasonal variation of flows, dam release schedules, and the potential drawdown of water to determine appropriate timing for construction.
☐ Develop appropriate revegetation and erosion control measures, and identify specific equipment needed to work at the site.

revegetatio	the time needed for post- construction efforts outside of the primary con n rainfall and/or the commercial ava	struction period may coincide with
-	eet: Access Design & Co Vorksheets, will be made into separate,	nstruction clickable PDF document as Worksheets 1.1 and
WORKSHEET 5	REACH:	SITE:
ASSESS FACILITY MPLEMENTATIO Guide p.51	' DESIGN, CONSTRUCTABII N FIRST TASKS	LITY, AND PROJECT
Q5.1: What is the siz	e of the site(s) within the project	area? (e.g., acreage, square footage)
Q5.2: List the specific	site amenities being considered	to improve or construct for the site(s).
·	proposed recreation activities ava	illable to visitors for each site(s)? Do our design considerations?
Q5.4: Identify the de constructed.	velopment level for the access si	te(s) - natural, enhanced, and/or

Q5.5: Describe specific cultural and natural resources to be protected or enhanced at the site(s).

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CONCEPT DESIGN Guide p. 53
Q5.6: What are the planning team's ideas and processes to develop (internally) or contract out a concept design for the access project(s)?
SITE LIMITATIONS Guide p. 54
Q5.7: Describe the topography and related factors of the site(s) as they relate to potential point-of-entry locations for heavy machinery or construction needs.
Q5.8: What construction/clearing byproducts can be anticipated, and how can those byproducts be utilized for other projects?
Q5.9: Which site(s) areas should be marked or specified as staging and stockpiling zones of construction? (e.g., delineate the zone(s) on a map)

Q5.10: Who from the planning team is in charge of communicating with neighboring landowners and/or other agencies to discuss construction access logistics including equipment size, number of machines, operating hours, etc.)?
Q5.11: List the neighboring landowners and/or agencies potentially impacted for each site.
Q5.12: What permits or agreements related to construction access are required for each site, and are those permits approved or pending?
CONSTRUCTION DOCUMENTATION Guide p. 54
Q5.13: Who from the planning team is responsible for managing construction documentation for each site?
Q5.14: List the construction documents required for the project site(s) along with status (e.g., pending, completed).

Q5.15: Based upon the construction documentation for the project area(s), describe any

factors for the installation process that still need to be reviewed or monitored:

Q5.16: Describe ideas and processes for a maintenance regime for all project and	reas.
Q5.17: Specify design details (i.e., parameters of construction including equipm and materials including gravel, paving, concrete, etc.) for each element of the properties construction at each site.	
Q5.18: What is the life-cycle of the materials being used for construction as we durability at each site? (e.g., surface material ability to withstand 200+ users per of material and a short term cost savings result in shorter lifespan)? Is timber uproject able to withstand intense sun and flooding conditions?)	er day, lifespan
CONSTRUCTION PERIOD AND TIMING Guide p. 56	
Q5.19: List the regulatory mandates or other aspects of this project that may in timing of construction for each site.	npact the
Q5.20: Describe factors related to seasonal variations of flows, dam release times	ning or water-

drawdown for each access site that may affect construction timing.

Q5.21: Describe the plans and equipment required to develop revegetation and control erosion at eachsite.
Q5.22: Develop a brief timeline for post-construction activities, such as revegetation, at each site:
Q5.23: Given all the information above, what is the best project time window for construction for each site?

Step 6: Conduct Site Monitoring (Guide p. 57)

Once a site is developed, it is extremely important to identify what is, or is not working toward achieving the desired condition and recreation setting of a site. Site monitoring can function in three ways to inform changes or improvements: post-occupancy evaluation, visitor use management and experience monitoring

Step 6: Tasks

	Post Occupancy Evaluation (Q.6.1 – 6.3) This step ensures that the design was constructed as specified and the integrity of sites resources were protected as directed in the construction plans.
	☐ Check that "punch list" items are completed as directed by the plans, or as communicated through contracts.
	☐ Review documentation that sensitive resources were protected during construction. If impacts are identified, provide a plan for enhancement and/or restoration.
	□ Perform final review of materials and facilities to ensure that all facilities were installed according to manufacturer specifications and design details. Confirm that construction activities did not damage to facilities or resources.
П	Visitor Use and Experience Monitoring (Q6.4 - 6.7)
	This concept design is a spatial representation of the on-site facilities: how they mitigate user-related site challenges and support desired user experiences.
	☐ Evaluate the types of recreation uses and determine if observed uses are consistent with planned uses.
	□ Determine if recreation setting characteristics are consistent with planned opportunities and desired outcomes. Consider physical, social, managerial, and biological setting characteristics.
	☐ Evaluate facility conditions and functionality.

SITE:

Step 6 Worksheet: Conduct Site Monitoring

WORKSHEET 6

CONDUCT SITE MONITORING

*Worksheet 6, as will all Worksheets, will be made into separate, clickable PDF document as Worksheets 1.1 & 1.2 above.

REACH:

Guide p. 58		
Q6.1: What plans, if any, still require attention or completion regarding the project site plan?		
Q6.2: What sensitive resources, if any, were impacted by the construction process?		
Q6.3: Who is responsible for completing a final walk-through of the project site to check installation and design details were followed through on by contractors? When will this take place?		
VISITOR USE AND EXPERIENCE MONITORING Guide p. 58		
Q6.4: Is a new, unanticipated recreational activity or use occurring at the project site?		
Q6.5: Are new river access sites attractive places for dispersed camping?		

Q6.6: Describe how the post-construction recreation setting attributes align with planned recreational opportunities and outcomes for each site (e.g., consider river setting attributes in Step 3)
Q6.7: Are recreation facilities and amenities functioning in a manner that supports desired recreation use and protects resources?

Appendix: Resources and Examples

Resources:

- Forest Service Outdoor Recreation Accessibility Guidelines (FSORAG): https://www.fs.usda.gov/sites/default/files/FSORAG-2013-Update.1.pdf
- Interagency Visitor Use Management Council: https://visitorusemanagement.nps.gov/VUM/Framework
- Iowa Water Trail Design and Development: https://www.iowadnr.gov/portals/idnr/uploads/riverprograms/chap3.pdf
- Monitoring Guidebook, Evaluating Effectiveness of Visitor Use Management, Edition
 One, June 2019 (nps.gov):
 https://visitorusemanagement.nps.gov/Content/documents/508 final Monitoring Guidebook Edition One IVUMC.pdf
- River Access Planning Guide:
 https://www.river-management.org/river-access-planning-guide
- Waterway Management: https://www.waterwaymanagement.org/home
- Water Trails Management: https://www.river-management.org/water-trails

River Access Project Examples & Planning Documents:

*Examples provided may not utilize the Guide framework

- A Vision for the Lower White Salmon River: https://www.americanwhitewater.org/content/Document/view/id/5969/
- Deschutes River Access and Habitat Restoration Plan: https://www.bendparksandrec.org/wp-content/uploads/2022/01/BPRD-Deschutes-River-Access-and-Habitat-Restoration-Plan-FINAL.pdf
- Middle Fork of the Snoqualmie River Access Final Concept Plan: https://www.americanwhitewater.org/content/Document/view/id/188/
- Moab Town Boat Ramp Action Plan: https://www.grandcountyutah.net/AgendaCenter/ViewFile/Item/325?fileID=39615
- New York State Canal System Hand-Launch Facility Design Guide: https://eriecanalway.org/application/files/4016/4252/7986/NYS Canal System Hand-Launch Facility Design Guide Final 011822 sm.pdf
- The Upper Nooksack River Recreation Plan: https://www.americanwhitewater.org/content/Document/view/id/1386/
- Whitewater Recreation on the Upper Klamath River: https://www.americanwhitewater.org/content/Document/view/id/1918/