

# GENERAL OVERVIEW OF USE ESTIMATION SYSTEMS

System	Use Characteristics Measured	Techniques/Procedures	Data Collection Strategies	Visitor Burden
A	1. Visit counts (individual and group)	1. Mechanical counters 2. Visual calibration of counters (cameras or human observers)	1. Sample plan for: ▪ Mechanical counter rotation (spatial, temporal) ▪ Visual calibration of counters	None
B	1. Visit counts (individual and group) 2. Observable characteristics	1. Mechanical counters 2. Visual calibration of counters (cameras or human observers) 3. Visual observations (cameras or human observers)	1. Sample plan for: ▪ Mechanical counter rotation (spatial, temporal) ▪ Visual calibration of counters (camera or human observer) ▪ Visual observations (camera or human observer)	None
C	1. Visit counts (individual and group) 2. Observable characteristics 3. Simple nonobservable characteristics 4. RVD's	1. Mechanical counters 2. Visual observations (human observers only) 3. On-site interviews	1. Sample plan for: ▪ Counter rotation (spatial, temporal) ▪ Visual calibration of counters ▪ Visitor selection for on-site interviews	Moderate
D	1. Visit counts (individual and group) 2. Observable characteristics	1. Voluntary visitor registration 2. Registration rate checks (human observers or cameras)	1. Sample plan for: ▪ Registration station rotation (spatial, temporal) ▪ Registration compliance (cameras or human observers)	Low to moderate
E	1. Visit counts (individual and group) 2. Observable characteristics 3. Simple nonobservable characteristics 4. Complex nonobservable characteristics 5. RVD's	1. Voluntary visitor registration 2. Registration rate checks (human observers) 3. On-site interviews	1. Sample plan for: ▪ Registration station rotation (spatial, temporal) ▪ Visitor selection for on-site interviews ▪ Registration compliance (human observers)	Moderate
F	1. Visit counts (individual and group) 2. Observable characteristics 3. Simple nonobservable characteristics 4. RVD's	1. Permits 2. Permit compliance checks (human observers)	1. Permit-issue method 2. Sample plan for permit compliance	Moderate to high

System	Use Characteristics Measured	Techniques/Procedures	Data Collection Strategies	Visitor Burden
G	<ol style="list-style-type: none"> <li>1. Visit counts (individual and group)</li> <li>2. Observable characteristics</li> <li>3. Simple nonobservable characteristics</li> <li>4. Complex nonobservable characteristics</li> <li>5. RVD's</li> </ol>	<ol style="list-style-type: none"> <li>1. Permits</li> <li>2. Permit compliance checks (human observers)</li> <li>3. On-site interviews</li> </ol>	<ol style="list-style-type: none"> <li>1. Permit-issue method</li> <li>2. Sampling plan for: <ul style="list-style-type: none"> <li>▪ Visitor selection for on-site interviews</li> <li>▪ Permit compliance checks</li> </ul> </li> </ol>	Moderate to high
H	<ol style="list-style-type: none"> <li>1. Visit counts (individual and group)</li> <li>2. Observable characteristics</li> <li>3. Simple nonobservable characteristics</li> <li>4. Complex nonobservable characteristics</li> <li>5. RVD's</li> </ol>	<ol style="list-style-type: none"> <li>1. Permits</li> <li>2. Permit compliance checks</li> <li>3. Mailback questionnaire</li> <li>4. Follow-up mailing</li> <li>5. Estimate questionnaire response rates</li> </ol>	<ol style="list-style-type: none"> <li>1. Permit-issue method</li> <li>2. Sampling plan for: <ul style="list-style-type: none"> <li>▪ Permit compliance checks</li> <li>▪ Visitor selection for mailback surveys</li> </ul> </li> </ol>	Moderate to high
I	<ol style="list-style-type: none"> <li>1. Visit counts (individual and group)</li> <li>2. Observable characteristics</li> <li>3. Simple nonobservable characteristics</li> <li>4. Complex nonobservable characteristics</li> <li>5. RVD's</li> </ol>	<ol style="list-style-type: none"> <li>1. Mechanical counters</li> <li>2. Visual observations (cameras or human observers)</li> <li>3. Miscellaneous data collection (weather data, trailhead maps, etc.)</li> </ol>	<ol style="list-style-type: none"> <li>1. Sampling plan for: <ul style="list-style-type: none"> <li>▪ Counter or observer rotation (spatial, temporal)</li> <li>▪ Calibration of mechanical counters (if applicable)</li> <li>▪ Visitor selection for on-site interviews (if applicable)</li> </ul> </li> </ol>	Variable, then declining
J	<ol style="list-style-type: none"> <li>1. Visit counts (individual and group)</li> <li>2. Observable characteristics</li> <li>3. Simple nonobservable characteristics</li> <li>4. Complex nonobservable characteristics</li> <li>5. RVD's</li> </ol>	<ol style="list-style-type: none"> <li>1. On-site interviews</li> <li>2. Mailback questionnaires</li> </ol>	<ol style="list-style-type: none"> <li>1. Sampling plan for visitor selection of on-site interviews or mailback questionnaires</li> </ol>	Moderate